

International Federation of Surveyors  
Fédération Internationale des Géomètres  
Internationale Vereinigung der Vermessungsingenieure



## **International Federation of Surveyors**

### **General Assembly**

#### **AGENDA AND APPENDICES**

**17 and 21 May 2015**

**National Palace of Culture – Congress Centre Sofia**

**Sofia, Bulgaria**

**INTERNATIONAL FEDERATION OF SURVEYORS****FIG 38<sup>th</sup> GENERAL ASSEMBLY****17 and 21 May 2015****National Palace of Culture – Congress Centre Sofia - Sofia, Bulgaria****PROGRAMME**

Sunday, 17 May 2015		
<b>National Palace of Culture – Congress Centre Sofia – Sofia, Bulgaria</b>		
Sunday	09:00-12:30	General Assembly, First Session
17 May	13:30-16:00	
	Hall 3, 7 <sup>th</sup> floor	
Monday, 18 May – Wednesday, 20 May 2015		
<b>FIG 2015 Working Week</b>		
<b>National Palace of Culture – Congress Centre Sofia - Sofia, Bulgaria</b>		
<a href="http://www.fig.net/fig2015">www.fig.net/fig2015</a>		
Monday, 18 May – Wednesday, 20 May 2015		
<b>FIG 2015 Working Week Exhibition</b>		
National Palace of Culture – Congress Centre Sofia		
<a href="http://www.fig.net/fig2015">www.fig.net/fig2015</a>		
Monday-	To be announced later	Annual Meetings of FIG Commissions and Networks
Tuesday	(See programme for	
18-19 May	individual rooms)	
Tbc	To be announced later,	FIG Member Associations Forum
	CCS, Sofia	These two sessions are reserved for Presidents or Heads of delegation (or their representatives) of member associations to discuss issue of their common interest. President of Chamber of Surveyors, Bulgaria chairs the meeting. By invitation only
Wednesday	11:00-12:30 and 13:30-	Director/Surveyor General Forum
20 May	15:00	
	Congress Center Sofia	
Tbc	Congress Center Sofia	Academic Members Forum
Tbc	Congress Center Sofia	Corporate Members Forum
Thursday, 21 May 2015		
Congress Center Sofia, Bulgaria		
Thursday	Presidents' Meeting	FIG Presidents' Meeting
21 May	08:30 – 10:30	This event is convened by the FIG President and is reserved for Presidents or Heads of delegation of Member Associations (or their representatives)
	Tbc	By invitation only

Thursday 21 May	11:00–12:30 13:30-15:00 Hall 3, 7 <sup>th</sup> floor CCS	General Assembly, Second Session including Closing Ceremony. Closing ceremony will start immediately after the conclusion of the General Assembly and will be followed by the Farewell Reception hosted by the New Zealand Institution of Surveyors, host of FIG Working Week 2016.
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## FIG 38<sup>th</sup> GENERAL ASSEMBLY

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# FIG 38<sup>th</sup> GENERAL ASSEMBLY

## AGENDA

for the meetings to be held on Sunday 17 May 2015 in Hall 3 and on Thursday 21 May 2015 in Hall 3 at the National Palace of Culture - Congress Centre Sofia, Sofia, Bulgaria

### SUNDAY, 17 MAY

**Sunday, 17 May, 09:00-12:30 and 13:30-16:00**  
**Hall 3, National Palace of Culture - Congress Centre Sofia**  
**General Assembly, First Session**

#### 1 OPENING PROCEEDINGS

President Chryssy Potsiou to open the 38th General Assembly.

#### 2 ROLL CALL

Vice President Rudolf Staiger to take the roll call.

**Please note:** The roll call will be done for member associations and affiliate members only. Delegates representing academic members, corporate members and correspondents as well as honorary presidents and honorary members will be entered in the records but they shall register before the meeting starts at the meeting venue to the staff of FIG Office. Member associations are asked to inform the FIG Office by **12 April 2015** about their attendance, at the same time to submit the names of their delegate(s) and to inform who their Head of the delegation is, if it is not the President or Chair. Please use this special link below to inform us about your delegation.

To register:

[https://docs.google.com/forms/d/1cadnqGyWVEct806NSfextw42J-hK2uQ6NKvZDvkBmmU/viewform?usp=send\\_form](https://docs.google.com/forms/d/1cadnqGyWVEct806NSfextw42J-hK2uQ6NKvZDvkBmmU/viewform?usp=send_form)

Since only member associations that have paid all their membership fees to the end of 2014 are allowed to vote at the meeting, a list of member associations that are not allowed to vote will be published and posted on the FIG web site **15 April 2015**.

**Appendix to items 2 & 22:** Roll Call

**Appendix to items 2 & 22:** List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2014 and earlier. To be posted 15 April 2015.

**Motion:** Those members present are recorded in the minutes.

**Decision:**

### **3 APPOINTMENT OF TELLERS**

The General Assembly shall appoint two persons as tellers for the entire General Assembly. The tellers will represent member association that hosted the preceding (PEJUTA, Malaysia) and the host of the proceeding following General Assembly (NZIS, New Zealand).

**Motion:** That the General Assembly appoints a representative from PEJUTA and NZIS as tellers for this General Assembly.

**Decision:**

### **4 ADOPTION OF THE AGENDA**

The Agenda for the General Assembly was issued as mandated, on 17 March 2015.

**Motion:** That the agenda be adopted.

**Decision:**

### **5 ADOPTION OF THE MINUTES OF THE 37<sup>th</sup> GENERAL ASSEMBLY**

Minutes have been circulated previously.

**Appendix to item 5:** Minutes of the General Assembly in Kuala Lumpur, Malaysia, June 2014, without appendices.

**Motion:** That the minutes be adopted as recorded.

**Decision:**

### **6 MEMBERSHIP**

#### **6.1. Member Associations**

##### **6.1.1 New Member Associations**

There have been no new member association applications since 37<sup>th</sup> General Assembly in 2014.

**Motion:** That the General Assembly notes that there has not been any new member association applications.

**Decision:**

### 6.1.2 College of Engineers and Surveyors of Puerto Rico (MA-10069)

FIG General Assembly expelled College of Engineers and Surveyors of Puerto Rico (MA-10069) at the General Assembly meeting in 2014 due to the fact that the association was in arrears for 3 years. FIG office has however later received the full payment from College of Engineers and Surveyors of Puerto Rico. FIG Council therefore proposes to cancel the expulsion and note them as reinstated as member of FIG.

**Motion:** That the General Assembly admits to reinstall College of Engineers and Surveyors of Puerto Rico (MA-10069) as member association.

#### **Decision/Action:**

### 6.1.3 Geodetic Engineers of the Philippines, Inc. (MA-10107)

At the FIG General Assembly 2014 Geodetic Engineers of the Philippines, Inc. (MA-10107) was supposed to be expelled from FIG but FIG Council received a letter from the association that they would pay their arrears before 1 October 2014. FIG Office received the payment and FIG Council informs the General Assembly that they will remain as member.

**Motion:** That FIG General Assembly notes the update of Geodetic Engineers of the Philippines (MA-10107) that they remain as member of FIG.

#### **Decision/Action:**

## **6.2 Expulsion of member associations**

Subscriptions of following member associations are more than three years in arrears:

- Ordre National des Geometres du Cameroun (MA-10015)
- Tunisian Association of Chartered Surveyors (MA-10086)

The General Assembly has power to expel from the Federation any member association whose fees are in arrears and shall under normal circumstances expel any member association whose fees are three years in arrears. (Article 4.3 of the Statutes). The FIG office has sent a letter to these associations informing that if their membership fees are still in arrears at the time of the General Assembly the General Assembly shall expel the above member associations in Sofia.

After acceptance of new member associations and expulsions the number of FIG member associations is 102 from 89 countries.

**Motion:** That the General Assembly expels the:

- Ordre National des Geometres du Cameroun (MA-10015)
- Tunisian Association of Chartered Surveyors (MA-10086)

**Decision/Action:**

**6.3 Suspended status 2015**

In accordance with its administrative measures, FIG Council, has deferred to continue for 2015 the issuance of a membership subscription invoice to the Order of Syrian Engineers and Architects, OSEA as all efforts to maintain contact with them has not yielded results, will deem their membership in suspension giving due consideration to its internal situation. As reported in the General Assembly 2014, there remain existing sanctions on Iran. The FIG office in Denmark cannot receive payments from Iranian Professional Society of Surveying Engineers (ISS). Ukrainian Society of Geodesy and Cartography has also gained suspended status and has not been invoiced for 2014. Again in accordance with its administrative measures, FIG Council deem their membership to be in suspension. The situation with these associations will be reconsidered by Council again in 2016.

**Motion:** That the General Assembly notes the members with suspension status.

**Decision:**

**6.4 Other membership issues**

6.4.1. Affiliate members

The Council has admitted the following national agencies to become affiliate members:

- a) iTaukei Land Trust Board, Fiji – AF-20051
- b) Geospatial Information Authority of Japan/Geodetic Department – AF-20052
- c) Guatemalan Registry of Cadastral Information (Registro de Información Catastral de Guatemala – RIC), AF-20053
- d) Land Administration Authority (LAA) Lesotho – AF-20054

The council has expelled the following affiliate members because of unpaid membership subscriptions.

- a) National Land Centre in the Ministry of Natural Resources, Rwanda (AF-20016)
- b) Bureau of Land Management, Department of Interior, USA (AF 20037)
- c) AIMS-Afghanistan Information Management Services, Afghanistan (AF-20038)

After these changes the number of Affiliate members is 41 from 38 countries.

6.4.2. Corporate members

The Council has admitted the following companies as Corporate Members of FIG after the General Assembly in 2014:

- a) Branco Etera Ltd, Kazakhstan – CM-30055 (Category F)
- b) NEH Engineering survey and mapping limited company, Vietnam – CM-30056 (Category E)
- c) Ripro Corporation, Japan – CM-30057 (Category D)

Following corporate members have resigned from their membership from 1.1.2014:

- a) MondoGeo (category F –regional level)

Following corporate members have been expelled by FIG Council:

- a) Cameroon Engineering S.A., Cameroon (CM-30027)
- b) SEPRET (Société des Etudes de Projets et Réalisation des Travaux, S.A.R.L.), Morocco (CM-30031)
- c) Global Survey Qatar, Qatar (CM-30047)

After these changes the number of corporate members is now 21.

#### 6.4.3. Academic members

FIG Council has admitted the following University to become Academic member:

- a) Technical University of Civil Engineering - Faculty of Geodesy, Bucharest, Romania (AC-40134)
- b) Sabaragamuwa University of Sri Lanka, Faculty of Geomatics (AC-40135)

The following academic members has terminated their membership:

- a) "TECRS" The Environmental Center of Remote Sensing Dept. of Geosystem Technology, Saudi Arabia (AC-40117)

The Council has expelled following universities because of unpaid membership subscriptions:

- a) Dublin Institute of Technology, Ireland (AC-40036) (has promised to pay)
- b) Istanbul Technical University Dept. Geodesy & Photogrammetry, Turkey (AC-40071) (has promised to pay)
- c) Neapolis University, Cyprus (AC-40114) (has promised to pay)
- d) IAV, Institut Agronomique et Vétérinaire Hassan II, Morocco (AC-40118)

The number of Academic Members after these changes is 89/86 from 56/53 countries.

#### 6.4.4. Correspondents

Council has ended its cooperation with two of the Correspondent Members since General Assembly 2014 and the number of correspondents is now 1.

**Motion:** That the General Assembly notes the actions that the Council has taken with other membership matters.

**Decision:**

## **7 APPOINTMENT OF HONORARY MEMBER**

### *a. Christiaan Lemmen*

Geo-Informatie Nederland GIN of the Netherlands has sent a nomination letter in which it proposes that FIG appoints **Christiaan Lemmen** as an Honorary Member of FIG.

FIG Council has considered the nomination and considers that it fulfils the criteria (see criteria at: <http://www.fig.net/pub/figpub/pub40/figpub40.htm#Criteria>) for an Honorary Member and therefore proposes to the General Assembly that it appoints Christiaan Lemmen as an Honorary Members of the Federation for the outstanding services he has provided to the Federation.

### *b. Other potential nominations*

Other potential nominations for Honorary Member might be considered by the Council.

**Appendix to item 7:** The nomination letter from Geo-Informatie Nederland GIN

**Motion:** That the General Assembly appoints Christiaan Lemmen as Honorary Member of FIG and appoints other potential nominations if brought forward by FIG Council.

**Decision:**

## **8 PRESIDENT'S REPORT**

President Chryssy Potsiou has prepared the President's report on the activities of the Federation since the General Assembly in Kuala Lumpur, Malaysia in June 2014.

**Appendix to item 8:** President's report.

**Motion:** That the General Assembly accepts the President's report.

**Decision:**

## **9 COUNCIL RESPONSES FROM GENERAL ASSEMBLY 2014**

At the General Assembly 2014 the following items were discussed:

- a. Proposal from Geosuisse, Switzerland (1: nomination body; 2: VP's nominated through regional bodies; 3: Commission Chairs Elects elected by the Commissions)
- b. Proposal from DdL, Denmark, on change of term for the President (to start immediately after election)

- c. Surveyors day/week (Presented by John Hohol at the General Assembly 2014)

FIG Council promised to get back to the General Assembly 2015 with a follow up and status on these issues.

**Motion:** That FIG General Assembly notes the update and records its thanks to the submitters of the proposals for their active role in FIG.

**Decision/Action:**

## **10 REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS AND STANDARDS NETWORK 2014-15**

### **10.1 International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF**

Mr. Christiaan Lemmen, Director of OICRF has prepared a report on the OICRF activities since the General Assembly in Kuala Lumpur. He will make a short report to the General Assembly.

**Appendix to item 10.1:** Report from the International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF.

**Motion:** That the General Assembly adopts the report and records its thanks to the members of OICRF for their past year's work and contribution.

**Decision:**

### **10.2 International Institution for the History of Surveying and Measurement, Permanent Institution of FIG**

Mr. Jan de Graeve, Director of the IIHSM has prepared a report on the IIHSM activities since the General Assembly in Kuala Lumpur. IIHSM will make a short report to the General Assembly.

**Appendix to item 10.2:** Report from the International Institution for the History of Surveying and Measurement, Permanent Institution of FIG.

**Motion:** That the General Assembly adopts the report and records its thanks to the Director and the members of the permanent institution for their past year's work and contribution.

**Decision:**

### **10.3 Standards Network**

Mr David Martin, Chair of the FIG Standards Network has prepared a report on the Standards Network activities since the General Assembly in Kuala Lumpur. Standards Network will make a short report to the General Assembly

**Appendix to item 10.3:** Report from the Standards Network. To be added

**Motion:** That the General Assembly adopts the report and records its thanks to the Chair and the members of the permanent institution for their past year's work and contribution.

**Decision:**

## **11 REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2014-2015**

Mr. John Hohol, President of the FIG Foundation has prepared a report on the FIG Foundation activities from June 2014 to March 2015. He will make a short report to the General Assembly.

**Appendix to item 11:** Report of the FIG Foundation activities 2014-2015 and Result 2014.

**Motion:** That the General Assembly adopts the report of the President of the FIG Foundation and records its thanks to the President and members of the Board of Directors of the FIG Foundation for their past year's work.

**Decision:**

## **12 FIG COUNCIL WORK PLAN 2015-2018**

The Council has prepared the FIG Council Work Plan for 2015-2018. Together with the Commission Work Plans the Council Work Plan will form the FIG Work Plan for the next four years. The proposal for the Council Work Plan 2015-2018 is attached to the agenda and is based on preparations made in a Council meeting and in a meeting with the Commission Chairs during the Kick-Off Event in January 2015 in Athens, Greece as well as responses from the Kick Off Event. The Council Work Plan has also been coordinated with the Commissions', Networks', Task Forces' and Permanent Institutions' Work Plans.

President Potsiou will present the Work Plan at the meeting.

The Council has also decided on responsibilities of individual Council members. This list is included as an appendix to the Council Work Plan. An up-to-date list will always be available on the FIG web site.

**Appendix to item 12:** FIG Council Work Plan 2015-2018

**Motion:** That the General Assembly adopts the Council Work Plan for 2015-2018.

**Decision:**

### **13 COMMISSION WORK PLANS 2015-2018**

Commission Chairs have prepared their Commission Work Plan for 2015-2018 based on discussions at their Commission meetings at the FIG Congress in Kuala Lumpur. After Kuala Lumpur the Work Plans have been coordinated with the Council Work Plan and with other Commission Work Plans at the meeting of Commission chairs and the FIG Council in conjunction to the FIG Kick-Off Meeting in January 2015 in Athens, Greece.

All Commission Work Plans have now been finalised and synchronised with the Council Work Plan and are presented for the General Assembly for its approval in Sofia in May 2015.

At the General Assembly time is reserved for the members to discuss the Work Plans and Commission activities with the Commission Chairs. This discussion will be chaired by Vice President Diane Dumashie, who will be chairing ACCO (2015-2016), together with the ACCO representative Brian Coutts (2015-2016).

#### **Appendices to item 13:**

- 13.1: Commission 1 Work Plan 2015-2018
- 13.2: Commission 2 Work Plan 2015-2018
- 13.3: Commission 3 Work Plan 2015-2018
- 13.4: Commission 4 Work Plan 2015-2018
- 13.5: Commission 5 Work Plan 2015-2018
- 13.6: Commission 6 Work Plan 2015-2018
- 13.7: Commission 7 Work Plan 2015-2018
- 13.8: Commission 8 Work Plan 2015-2018
- 13.9: Commission 9 Work Plan 2015-2018
- 13.10: Commission 10 Work Plan 2015-2018
- 13.11 Young Surveyors Network Work Plan 2015-2018

**Motion:** That the General Assembly adopts the Commission Work Plans.

**Decision:**

### **14 NEW NETWORK: REGIONAL CAPACITY DEVELOPMENT NETWORK**

The Council has established a new Network. This network originates from the Africa Task Force 2009-2014 and will in the term 2015-18 concentrate on Africa. This Network is chaired by FIG Vice President Diane Dumashie. The Network will work in close co-operation with all Commissions. The Network will have its first meeting in Sofia where members of the Network will be appointed by the Council and brought to the General Assembly for endorsement.

**Appendix to item 14:** Terms of Reference for the Network on Regional Capacity Development.

**Motion:** That the General Assembly records the Council's decision of establishment of the Regional Capacity Development Network, appointment of Vice President Diane Dumashie to chair the Network and its terms of reference for information.

**Decision:**

## **15 NEW TASK FORCES – 2015-2018**

The Council has established four new Task Forces for 2015-2018.

### **15.1 Task Force on Real Property Markets**

The first Task Force will assess the progress of establishing the real property markets in the countries with economies in transition. The Task Force will be chaired by Pekka Halme, Finnish Association of Geodetic and Land Surveyors MIL. The Task Force will have its first meeting in Sofia where members of the Task Force will be appointed by the Council and brought to the General Assembly for endorsement.

**Appendix to item 15.1:** Terms of Reference for the Task Force on Real Property Markets.

**Motion:** That the General Assembly records the Council's decision of establishment of the Task Force on Real Property Markets, appointment of Pekka Halme to chair the Task Force and its terms of reference for information.

**Decision:**

### **15.2 Task Force on Commission Structure**

The second Task Force will assess the Commissions and investigate if there is a need to revise their structure and provide a proposal on possible improvements.

The Task Force is originated from two proposals from FIG Member Associations.

One proposal originating from Geosuisse that was discussed at the General Assembly 2014, who proposed:

*For Commission Chairs Elect, the right to nominate should be with the Commissions themselves. They have to evaluate the candidates and to make sure that she/he is able to fulfil the responsibility. The Commissions are the only bodies that have sufficient knowledge of their national delegates and who are able to judge their eligibility. Commissions will discuss with the national association the candidate they wish to nominate.*

The second proposal that FIG Council has received is from the following member associations:

- Danish Association of Chartered Surveyors (Denmark)
- Finnish Association of Geodetic and Land Surveyors MIL (Finland)
- Norges Jordskifte kandidatforening, faglig gruppe av Tekna (NJKF) (Norway)
- Swedish professionals for the built environment

This proposal suggests evaluating the current Commission Structure in order to secure the efficiency of the FIG Commissions. Based on the above mentioned suggestions and further discussions in Council, Council has decided to establish a Task Force that in general will assess and evaluate the current structure of the commissions. The Task Force will be chaired by Mikael Lilje, Swedish professionals for the built environment, Samhällsbyggarna. The

Task Force will have its first meeting in Sofia where members of the Task Force will be appointed by the Council and brought to the General Assembly for endorsement.

**Appendix to item 15.2:** Terms of Reference for the Task Force on Commission Structure

**Motion:** That the General Assembly records the Council's decision of establishment of the Task Force on Commission Structure and the appointment of Mikael Lilje to chair the Task Force and its terms of reference for information.

**Decision:**

### **15.3 Task Force on Corporate Members**

The third Task Force will be established to strengthen the FIG relationship with corporate members. The Task Force will be chaired by John Hohol, National Society of Professional Surveyors (NSPS) in cooperation with Bryn Fosburgh, Vice President of Trimble. The Task Force will have its first meeting in Sofia where members of the Task Force will be appointed by the Council and brought to the General Assembly for endorsement.

**Appendix to item 15.3:** Terms of Reference for the Task Force on Corporate Members.

**Motion:** That the General Assembly records the Council's decision of establishment of the Task Force on Corporate Members, appointment of John Hohol in cooperation with Bryn Fosburgh to chair the Task Force and its terms of reference for information.

**Decision:**

### **15.4 Task Force on Scientific Journal**

The fourth Task Force will be established to investigate the usefulness and need and if justified, the steps forward in order to introduce an FIG peer review Journal (electronic or printed). The Task Force will be chaired by Yerach Doytsher, Association of Licensed Surveyors in Israel (ALSI). The Task Force will have its first meeting in Sofia where members of the Task Force will be appointed by the Council and brought to the General Assembly for endorsement.

**Appendix to item 15.3:** Terms of Reference for the Task Force on Scientific Journal

**Motion:** That the General Assembly records the Council's decision of establishment of the Task Force on Scientific Journal, appointment of Yerach Doytsher to chair the Task Force and its terms of reference for information.

**Decision:**

## **16 FIG ACCOUNTS FOR 2014, AUDITOR'S REPORT AND BUDGETS 2015-2018**

Vice President Rudolf Staiger will present the report to the General Assembly. This report includes the auditors report from 2014, official accounts (income statement 2014) and balance

sheet 31 December 2014, a summary of 2014 accounts, an updated budget for 2015 and proposals for budgets 2016-2018 with notes and proposal for membership fees for member associations in 2017.

**Appendix to item 16:** Report on Financial Issues (including 2014 accounts and budgets 2015-2018)

Annexes:

- **16A** Auditor's Report, Income Statement for 2014 and Balance Sheet at 31 December 2014.
- **16B** FIG Result 2014
- **16C** FIG Budgets 2015-2018
- **16D** List of member associations whose membership fees are in arrears for 2014 and earlier and that are not allowed to vote - to be published on the FIG web site **15 April 2015**.

**Motion:** That the General Assembly

- adopts the audited accounts for 2014,
- adopts the Finance Report, and
- adopts budgets for 2015–2018

**Decision:**

## 17 SUBSCRIPTION RATES FOR 2017

The General Assembly has to set levels of fees for member associations two years in advance of the year in which they become payable. Fees are payable in respect of each individual member up to a maximum of 5,500 members. The membership fee structure was changed in 2009. Membership fees have been discussed as part of the finance report, **appendix to item 16**.

The 2014 General Assembly approved membership fees as follows:

Year	Per capita fee	Minimum fee	Maximum fee
2016	€4.48 per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay €2.24 member up to a maximum of 5,500 members.	20 members or €50 (whichever is greater)	5,500 members (€24,640)

The World Bank lists of the low-income economies and the lower-middle-income economies are available at: <http://data.worldbank.org/about/country-classifications/country-and-lending-groups>

The 2016 subscription fees were kept at the same level as for the years 2012-2015. The Council 2011-14 had to suggest subscription fees up to 2016, however they recognised that there would be a change in leadership and the subscription fees is dependent on the strategies of the council 2015-18.

Although the budgets 2017 and 18 show a deficit, Council is also conscious of the economic condition that members are operating under and in particular member's challenges with their national membership and budgets. Council wishes to respect this as well and both Council and FIG Office will continue to be prudent in its financial management. Council therefore proposes the level of subscription for member associations for 2017 to remain at the same level as in the previous years. Council has initiated a Task Force on how to attract corporate members and the hope is to increase the fees received by corporate members to limit the deficit or turn it into a positive result. FIG Council will evaluate after a year how this work develops, and if the work on corporate members does not show positive effect, Council suggests reconsidering the membership fee for 2017 at the General Assembly in 2016.

**Motion:** That the General Assembly adopts following membership fees payable by member associations in 2017:

<b>Year</b>	<b>Per capita fee</b>	<b>Minimum fee</b>	<b>Maximum fee</b>
2017	€4.48 per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay €2.24 member up to a maximum of 5,500 members.	20 members or €50 (whichever is greater)	5,500 members (€24,640)

and that the General Assembly notes that based on councils evaluation of the finances at the end of 2015, the level for 2017 might be increased at the General Assembly 2016.

**Decision:**

## **18 CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK**

### **18.1 Meetings and conferences**

The main activities in the co-operation with the United Nations and the World Bank since the FIG congress in Kuala Lumpur have been:

- President Teo participated in UNESCAP, FAO and UN-Habitat co-organised Regional Multi-stakeholder Consultation on Land Tenure in Asia-Pacific
- President Teo participated in 21st Meeting of the International Steering Committee on Global Mapping, 5 August 2014, United Nations Headquarters in New York

- President Teo participated in Fourth Session of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM), 6 – 8 August 2014, United Nations Headquarters in New York
- FIG Young Surveyors and UN-Habitat/GLTN organised a workshop on The Social Tenure Domain Model – Training of Trainers, 7-10 November 2014 in Addis Ababa, Ethiopia primarily for African participants.
- Vice President Pengfei Cheng and Past President Teo attended the Third High Level Forum on Global Geospatial Information Management, 22-24 October 2014, Beijing, PR China
- FIG undertook two expert group meetings in Bangkok in cooperation with UN-Habitat/GLTN on Valuation of Unregistered Land and Properties Expert Group Meeting, Bangkok, Thailand, 13 - 14 October 2014 and Modernising Land Agencies Budgetary Approach: Costing and Financing of Land Administration Services in Developing Countries, Validation Workshop (CoFLAS), 15 - 16 October 2014, Bangkok, Thailand
- UN-GGIM-AP - Third Plenary Meeting 10 – 12 November 2014 Kuta, Bali, Republic of Indonesia, represented by FIG Past President Teo.
- Ninth Meeting of the International Committee on Global Navigation Satellite Systems (ICG-9), Mikael Lilje, Chair of FIG Commission 5 and UNOOSA representative, 9 – 14 November 2014 Kuta, Prague, Czech Republic

FIG will be represented at the World Bank Conference March 2015 by President Chryssy Potsiou. There will be a special side activity on the FIG Work Plan.

## **18.2 Global Geodetic Reference Frame for Sustainable Development resolution**

At the FIG General Assembly 2014 FIG Council presented a FIG Statement on Global Geodetic Reference Frame for Sustainable Development where FIG expressed the importance of the resolution and urged the member organizations to bring the Statement back home to the respective countries.

The Global Geodetic Reference Frame for Sustainable Development (GGRF) resolution was adopted by the United Nations General Assembly on Thursday 26 February 2015

**Motion:** That the General Assembly adopts the report on the co-operation between FIG and the United Nations, its agencies and the World Bank and records its thanks to all those who have contributed to this co-operation.

**Decision:**

## **19 LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS**

The Joint Board of Spatial Information Societies JB-GIS was formally established during the FIG Working Week in Cairo in 2005 and meets annually during a major conference. The meeting of JB-GIS in 2014 was held in August 2014 and was attended by nine of the ten participating international organization. FIG has collaborative MoUs with a number of the organizations who are part of JB-GIS.

FIG has further bilateral agreements of co-operation with several other international associations like ISM, IFHP, CIB, ION, ICEC, FIABCI, IFHS, PAIGH and PAQS.

President CheeHai Teo attended the International Union of Notaries Conference on Land Tenure Security in Asia, 12-13 December 2014, Ho-Chi-Minh City, Vietnam.

IPMS, is mainly driven by our member association RICS, and FIG was until the end of last period represented by FIG Commission 9 Chair Frances Plimmer, and FIG Council thanks her for her work. FIG Council will appoint a new representative to IPMS. In December 2014 there was launch of a new International Property Measurement Standard (IPMS) for Office Buildings.

FIG is a member of the International Council for Science (ICSU) and working together with ISO and International Valuation Standards Committee (IVSC) on standards.

**Motion:** That the General Assembly records the report on the liaison with other international associations.

**Decision:**

## **20 DECISION ON THE VENUE FOR 2019 FIG WORKING WEEK**

The FIG Working Weeks are organised by FIG together with a local member association. FIG will together with the local member association have full responsibility of the arrangements and of the financial result. This offers FIG better opportunities in terms of organising events and generating revenue. Therefore the Council has to ensure that all candidates are aware of the role of FIG and split of responsibilities for organising the Working Week. This General Assembly will decide on the host for the 2019 Working Week.

The FIG Council has received five bids to host the FIG Working Week 2019, and FIG Council thanks all bidding member associations for their special engagement and contribution to FIG.

The Council has prepared a desktop summary on the bids and has also carried out an evaluation together with the FIG Office that will be presented at the General Assembly. In the summary report the following considerations, as laid out in the invitation documentation, are described for comparison:

1. Rotation of the conferences (region);
2. Country (hosting of earlier FIG events, experience);
3. Member association (its activeness, commitment to FIG and to FIG 2017, execution ability for local association);
4. Supporting organisations (local support to the Working Week, governmental support, financial support, general support);
5. Host city (characteristics and interest from congress programme point of view, host city attractiveness, host city offerings);

6. Venue (price/affordability, location of venue, internet availability suitability of rooms, size of venue, structure and layout of the venue, catering, value for money, hotels nearby facilities for exhibition);
7. Accessibility (flight connections, several access possibilities, security, visa issues, air fare to destination);
8. Safety and security (political stability, airport safety, city safety, political stability in the country - rating must be 3 or higher);
9. Proposed dates (must meet FIG requirements, Following FIG statutes, practical dates, availability of venue, other conferences at the same time)
10. Technical programme (coverage of all FIG Commissions, potential partners, originality, special ideas);
11. Technical tours (coverage of all FIG Commissions, originality, ideas proposed);
12. Social programme (attractiveness and variety, proposals for dinners, attractiveness of offered dinners, proposals for tours, is the programme following the overall FIG concept);
13. Attendance (expectation of international, regional and local attendance, realistic number of international and national participants);
14. Finances (estimate of surplus and financial risks, realistic fees proposed, fees in an acceptable price range, difference between international and national fees, realistic budget, estimated revenue);
15. Sponsorship (estimate sponsorship and exhibition income, proposed income, how realistic is proposed income, local sponsor offerings, sponsor interest to conference);
16. Why host (reason for hosting);
17. Objectives and outcomes (thought through why conference should be held at destination, difference to other destinations, short term outcome, long term outcome);
18. Suggested theme (thought of possible theme that fits to local/regional situation);
19. Events organised in the past three years (how experienced is the host in organising events)
20. Major events planned in the proposed city in 2017 (many events might affect the price level):
21. Initiatives for sustainable conference environment (is host city, venue and local host paying attention to environmental issues);
22. New initiatives or activities (originality – but within the overall FIG concept)
23. What legacy to leave locally from the Working Week (with host, hosting city, for the surveying community)

The summary report will not give a recommendation or a preference to any candidate but it will provide useful information on each items listed above and summarise the pros and cons of each candidate to assist the member association in making their decision. General Assembly must note that, especially in these past years, the issue of security and financial viability has come to the fore. The purpose of the evaluation process is to maintain the continued viability, high standard and quality of the FIG Working Week.

The Council has considered the bids and has decided to present four of the five submitted bids to the General Assembly for its decision. The following four bids fulfilled the basic requirements:

- a) Dublin, Ireland, Society of Chartered Surveyors, Ireland (RICS)
- b) Nairobi, Kenya, Institution of Surveyors, Kenya
- c) Geneva or Interlaken, Switzerland, geosuisse

- d) Hanoi, Vietnam, The Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)

The General Assembly is recommended to read the summaries and the bids carefully.

**Appendix to item 20 and 28:**

Summary Reports on the Bids for FIG 2019 Working Week

Bidding documents for FIG 2019 Working Week:

- a) Dublin, Ireland, Society of Chartered Surveyors, Ireland (RICS)
- b) Nairobi, Kenya, Institution of Surveyors, Kenya
- c) Geneva or Interlaken, Switzerland, geosuisse
- d) Hanoi, Vietnam, The Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)

At the session each candidate will be given the same time (not more than 10 minutes) to make a presentation of their proposal and framework of the Working Week and their bid. FIG Council will present its evaluation and the impact on FIG on the various bids.

Decision on the venue of FIG 2019 Working Week will be made at the second session of the General Assembly on 21 May. The voting will be made by blind votes. If there will be no absolute majority in the first voting for any of the proposals, a second vote will be organised between those two candidates that have most votes.

**Motion:** That the General Assembly notes the submission, the summary report, the presentations and FIG's evaluation of the candidates, makes its careful consideration and decision during the second session of the General Assembly on 21 May.

**Decision:**

**THURSDAY 21 MAY 2015**

**Thursday, 21 May, 08:30-10:30**

**Room to be announced,  
National Palace of Culture - Congress Centre Sofia**

**Presidents' Meeting** (by invitation only)

**21 FIG PRESIDENT'S MEETING**

Separate invitation to Presidents of the Member Associations.

**Thursday, 21 May, 11:00–12:30 and 13:30-15:00**

**Hall 3, 7<sup>th</sup> floor,  
National Palace of Culture - Congress Centre Sofia  
General Assembly, Second Session and Closing Ceremony**

## **22 ROLL CALL**

Vice President Rudolf Staiger to take the roll call.

**Please note:** The roll call will be done for member associations and affiliate members only. Delegates representing academic members, corporate members and correspondents as well as honorary presidents and honorary members will be entered in the records but they shall register before the meeting starts at the meeting venue to the staff of FIG Office. Member associations are asked to inform the FIG Office by 12 April 2015 about their attendance, at the same time to submit the names of their delegate(s) and to inform who their Head of the delegation is, if it is not the President or Chair. Please use this special link below to inform us about your delegation. Since only member associations that have paid all their membership fees to the end of 2014 are allowed to vote at the meeting, a list of member associations that are not allowed to vote will be published and posted on the FIG web site 15 April 2015.

To be noted that the General Assembly has appointed a representative from PEJUTA, Malaysia and from NZIS, New Zealand as tellers to this session of the General Assembly.

**Appendix to items 2 & 22:** Roll Call

**Appendix to items 2 & 22:** List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2014 and earlier – will be posted 15 April 2014.

**Motion:** Those members present are recorded in the minutes.

**Decision:**

## **23 MEMBERSHIP**

The Council will decide on other membership issues, if any, considered in Sofia and bring them for the General Assembly for decision or information as necessary.

**Motion:** That the General Assembly decides on the membership issues based on the proposal of the Council.

**Decision:**

## **24 REPORTS FROM ASSOCIATION, AFFILIATE, ACADEMIC AND CORPORATE MEMBERS FORUM (IF ANY)**

During the Working Week there will be Member Association Forum, the Director General's/Affiliate Members Forum, Academic Members Forum and Corporate Members Meeting. They may report back to the General Assembly on any issues that may need the endorsement of or are of general interest to the General Assembly.

**Motion:** That the General Assembly records the report(s)

**Decision:**

## **25 REPORTS FROM COMMISSIONS, NETWORKS AND TASK FORCES (IF ANY)**

Commission Officers (ACCO), Commissions, Networks and Task forces will have their annual and other administrative meetings in Sofia. They may report back to the General Assembly on any issues that may need the endorsement of or are of general interest to the General Assembly.

**Motion:** That the General Assembly records the report(s).

**Decision:**

## **26 REPORTS FROM PERMANENT INSTITUTIONS (IF ANY)**

The permanent institutions will have various activities during the congress. They may report back to the General Assembly on any matters of general interest.

**Motion:** That the General Assembly records the report(s).

**Decision:**

## **27 REPORT FROM FIG FOUNDATION (IF ANY)**

A meeting for FIG Foundation is organised in Kuala Lumpur and various activities are taking place during the Congress. They may report back to the General Assembly on any matters of general interest.

**Motion:** That the General Assembly records the report.

**Decision:**

## **28 DECISION ON THE VENUE FOR 2019 FIG WORKING WEEK**

Candidates for FIG 2019 Working Week have made their presentations in the first session of the General Assembly and FIG Council has presented its evaluation. The decision will be made between:

- Dublin, Ireland, Society of Chartered Surveyors, Ireland (RICS)
- Nairobi, Kenya, Institution of Surveyors, Kenya
- Geneva or Interlaken, Switzerland, geosuisse
- Hanoi, Vietnam, The Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)

The decision will take place by blind votes following the FIG statutes and internal rules. If there will be no absolute majority in the first round of voting, a second vote will be organised between those two candidates that have most votes.

**Motion:** This General Assembly decides the host and venue for FIG 2019 Working Week.

**Decision:**

## **29 REPORT ON THE FIG CONGRESS 2018 IN ISTANBUL, TURKEY**

Co-congress director Orhan Ercan from the Chamber of Surveying Cadastre Engineers of Turkey will give a presentation on the preparations of FIG Congress 2018.

**Motion:** That the General Assembly records the report

**Decision:**

## **30 REPORT ON THE FIG WORKING WEEK 2017 IN HELSINKI, FINLAND**

Representatives from the Local Organising Committee from the Finnish Associations MIL and MAKLI will give a presentation on preparations of FIG Working Week 2017.

**Motion:** That the General Assembly records the report.

**Decision:**

## **31 REPORT ON THE FIG WORKING WEEK 2016 IN CHRISTCHURCH, NEW ZEALAND**

Representatives from the Local Organising Committee from New Zealand Institute of Surveyors will give a presentation on preparations of FIG Working Week 2016.

**Motion:** That the General Assembly records the report.

**Decision:**

## **32 PRESENTATION OF CERTIFICATES OF APPRECIATION**

### **CLOSING CEREMONY**

**38<sup>th</sup> General Assembly  
Sofia 17 and 21 May 2015**

**Roll Call**

	<b><u>MEMBER ASSOCIATIONS</u></b>	v o t e	17 May	21May
1.	<b>Algeria, People's Democratic Republic of</b> Order of Land Surveyors Expert. (O.G.E.F), MA-10001	1		
2.	<b>Australia</b> Surveying and Spatial Sciences Institute SSSI, MA-10004	2		
3.	<b>Austria</b> Austrian Society for Surveying and Geoinformation OVG, MA-10005	1		
4.	<b>Bahamas</b> Bahamas Association of Land Surveyors, BALS, MA-10006	1		
5.	<b>Belarus</b> Land Reform Association, MA-10007	1		
6.	<b>Belgium</b> Union Belge des Géomètres-Experts Immobiliers, MA-10008	1		
7.	<b>Benin</b> Ordre des Géomètres Experts du Benin, MA-10113			
8.	<b>Bosnia-Herzegovina</b> Geodetic Association of Herceg-Bosnia, MA-10112	1		
9.	<b>Botswana surveying and mapping organization</b> MA-10010	1		
10.	<b>Brazil</b> Sociedade Brasileira de Cartografia, Geodésia, Fotogrametria e Sensoriamento Remoto, MA-10011			
11.	<b>Brunei Darussalam</b> Brunei Institution of Geomatics, BIC, MA-10012			
12.	<b>Bulgaria</b> Union of Surveyors and Land Managers in Bulgaria, MA-10013			
13.	<b>Bulgaria</b> Chamber of Graduate Surveyors, MA-10108	1		
14.	<b>Burkina Faso</b> Association des Géomètres et Topographes du Burkina AGT-B, MA-10014			
15.	*) <b>Cameroon</b> Ordre National des Geometres du Cameroun OGEC (National Order of Cameroon Surveyors NOCS), MA-10015			
16.	<b>Canada</b> Canadian Institute of Geomatics CIG, MA-10016	1		
17.	<b>China P.R.</b> Chinese Society of Survey, Mapping & Geoinformation, MA-10017	2		
18.	<b>China P. R.</b> China Institute of Real Estate Appraisers and Agents CIREA, MA-10102	2		
19.	<b>China P. R.</b> China Land Science Society CLSS, MA-10120	2		
20.	<b>Costa Rica</b> Colegio de Ingenieros Topógrafos de Costa Rica CFIA, MA-10019			
21.	<b>Croatia</b> Croatian Geodetic Society HGD, MA-10020			
22.	<b>Congo, Democratic Republic of</b> Federation of Geometers and			

	Surveyors – Congo, MA-10101	1		
23.	<b>Cyprus</b> Association of Rural Surveying Engineers of Cyprus, MA-10022			
24.	<b>Cyprus</b> Cyprus Association of Property Valuers, MA-10111			
25.	<b>Czech Republic</b> Czech Association of Certified Property Appraisers CSCOM, MA-10023	1		
26.	<b>Czech Republic</b> Czech Union of Surveyors and Cartographers CSVTS, MA-10024	1		
27.	<b>Denmark</b> Den danske Landinspektørforening DdL, MA-10025	2		
28.	<b>Egypt</b> Egyptian Committee of Surveying and Mapping ECSM, MA-10026			
29.	<b>Estonia</b> Eesti Geodeetide Ühing EGÜ (Association of Estonian Surveyors), MA-10027	1		
30.	<b>Ethiopia</b> Ethiopian Surveying Professionals Association (ESPA), MA-10115			
31.	<b>Fiji</b> Fiji Institute of Surveyors, MA-10028			
32.	<b>Finland</b> Suomen Maanmittausinsinöörien Liitto MIL (The Finnish Association of Surveyors), MA-10029	1		
33.	<b>Finland</b> Maanmittausalan ammattikorkeakoulu- ja opistoteknisten Liitto MAKLI ry, MA-10030	1		
34.	<b>France</b> Ordre des Géomètres-Experts OGE, MA-10031	2		
35.	<b>France</b> Association Française de Topographie AFT, MA-10032	1		
36.	<b>Gabon</b> Association des Professionnels de l'Ingenierie Topographique du Gabon, APIT-Gabon, MA-10122			
37.	<b>Georgia</b> Society of Professionals of Land Information Technologies SPLIT, MA-10099	1		
38.	<b>Germany</b> DVW – Deutscher Verein für Vermessungswesen – Gesellschaft für Geodäsie, Geoinformation und Landmanagement, MA-10033	3		
39.	<b>Ghana</b> Ghana Institution of Surveyors GhIS, MA-10034	1		
40.	<b>Greece</b> Technical Chamber of Greece TEE, MA-10035	2		
41.	<b>Hong Kong SAR, China</b> The Hong Kong Institution of Engineering Surveyors HKIES, MA-10100			
42.	<b>Hungary</b> Hungarian Society of Surveying, Mapping and Remote Sensing MFTTT, MA-10038	1		
43.	<b>Indonesia</b> Ikatan Surveyor Indonesia ISI, MA-10039	1		
44.	<b>***) Iran, Islamic Republic of</b> Iranian Professional Society of Surveying Engineers (ISS), MA-10040			
45.	<b>Ireland</b> The Irish Institution of Surveyors IIS, MA-10042	1		
46.	<b>Israel</b> Association of Licensed Surveyors in Israel ALSI, MA-10043	1		
47.	<b>Italy</b> Consiglio Nazionale Geometri e Geometri Laureati CNGeGL, MA-10044	3		
48.	<b>Jamaica</b> The Land Surveyors Association of Jamaica LSAJ, MA-10045	1		
49.	<b>Japan</b> Nippon Sokuryosha Renmei (Japan Federation of Surveyors JFS), MA-10046	1		

50.	<b>Kenya</b> Institution of Surveyors of Kenya ISK, MA-10047	1		
51.	<b>Korea, Republic of</b> Korea Confederation of Surveyors, MA-10048	1		
52.	<b>Kosovo</b> Kosova Association of Surveyors, MA-10049	1		
53.	<b>Latvia</b> Latvian Associations of Surveyors LMB, MA-10050	1		
54.	<b>Lebanon</b> Ordre des Géomètres-Topographes du Liban, MA-10051	1		
55.	<b>Liberia</b> Cadastral Surveyors Association of Liberia CASUAL, MA-10119			
56.	<b>Lithuania</b> Lithuanian Association of Surveyors LMA , MA-10053	1		
57.	<b>Luxembourg</b> Ordre Luxembourg des Géomètres OLG, MA-10054	1		
58.	<b>Malaysia</b> Association of Authorised Land Surveyors Malaysia AALSM, MA-10055	1		
59.	<b>Mali</b> Ordre des Geometres Experts du Mali OGE, MA-10117	1		
60.	<b>Malta</b> The Malta Institution of Surveyors, MA-10056	1		
61.	<b>Mongolia</b> Mongolian Association of Geodesy and Cartography MAGaC, MA-10098	1		
62.	<b>Morocco</b> Ordre National des Ingénieurs Géometres-Topographes ONIGT, MA-10059	1		
63.	<b>Nepal</b> Nepal Institution of Chartered Surveyors, MA-10110	1		
64.	<b>Netherlands, The</b> Geo-Information Netherlands, MA-10060	2		
65.	<b>New Zealand</b> New Zealand Institute of Surveyors NZIS, MA-10061	1		
66.	<b>Nigeria</b> Nigerian Institution of Surveyors NIS, MA-10062	2		
67.	<b>Nigeria</b> The Nigerian Institute of Quantity Surveyors NIQS, MA-10063	1		
68.	<b>Nigeria</b> Nigerian Institution of Estate Surveyors and Valuers NIESV, MA-10118			
69.	<b>Norway</b> Norges Jordskifte kandidatforening NJKF, faglig gruppe af Tekna and GeoForum, MA-10064	2		
70.	<b>Palestinian Authority</b> Licensed Surveyors Association in Palestine, MA-10065			
71.	<b>Papua New Guinea</b> Association of Surveyors of Papua New Guinea ASPGN, MA-10066	1		
72.	<b>Philippines,</b> Geodetic Engineers of the Philippines, Inc., MA-10107			
73.	<b>Poland</b> Stowarzyszenie Geodetow Polskich SGP Association of Polish Surveyors, MA-10067	1		
74.	<b>Portugal</b> Order of Engineers - College of Geographical Engineering, MA-10068	1		
75.	<b>Puerto Rico, USA</b> Colegio de Ingenieros y Agrimensores de Puerto Rico CIAPR College of Engineers and Land Surveyors of Puerto Rico, MA-10069	1		
76.	<b>Romania</b> Union of Romanian Geodesy, MA-10070	1		

77.	<b>Romania</b> Romanian Association of Private Surveyors APCGCR, MA-10105	1		
78.	<b>Russian Federation</b> Federal Service of State Registration, Cadastre and Cartography (Rosreestr), MA-10071	2		
79.	<b>Russian Federation</b> None commercial partnership “Self- regulated organization of activity of cadastral engineers”, MA- 10121	1		
80.	<b>Senegal</b> Ordre National des Geomètres Experts du Senegal (ONGES), MA-10116	1		
81.	<b>Serbia, Republic of</b> Union of Surveying Engineers of Serbia, MA-10072			
82.	<b>Slovak Republic</b> Slovak Union of Surveyors and Cartographers, MA-10074	1		
83.	<b>Slovak Republic</b> Chamber of Surveyors and Cartographers KGK, MA-10075	1		
84.	<b>Slovenia</b> Association of Surveyors of Slovenia ZGS, MA-10076			
85.	<b>South Africa, Republic of</b> South African Council for Professional and Technical Surveyors PLATO, MA-10077	1		
86.	<b>Spain</b> Colegio Oficial de Ingenieros Técnicos en Topografía, MA-10078			
87.	<b>Sri Lanka</b> Surveyors’ Institute of Sri Lanka, MA-10079	1		
88.	<b>St. Lucia</b> The Institute of Surveyors, St. Lucia, Inc. ISSL (MA- 10123)	1		
89.	<b>Sweden</b> Swedish professionals for the built environment, MA- 10080	2		
90.	<b>Switzerland</b> geosuisse - Swiss Society of Geomatics and Landmanagement, MA-10081	1		
91.	***) <b>Syria</b> Order of Syrian Engineers and Architects OSEA, MA-10082			
92.	<b>Togo</b> Ordre des Géomètres du Togo OGT, MA-10084			
93.	<b>Trinidad and Tobago</b> Institute of Surveyors of Trinidad and Tobago, MA-10085			
94.	*) <b>Tunisia</b> Association Nationale des Ingenieurs Géomètres- Experts Tunisiens ANIGET, MA-10086			
95.	<b>Turkey</b> TMMOB Chamber of Surveying Engineers of Turkey, MA-10087	2		
96.	***) <b>Ukraine</b> Ukrainian Society of Geodesy and Cartography, MA-10088			
97.	<b>United Kingdom</b> Chartered Institution of Civil Engineering Surveyors ICES, MA-10090	1		
98.	<b>United Kingdom</b> The Royal Institution of Chartered Surveyors RICS, MA-10091	3		
99.	<b>United States of America</b> National Society of Professional Surveyors (NSPS), MA-10092	2		

<b>100.</b>	<b>Uruguay</b> Asociacion de Agrimensores del Uruguay, MA-10094			
<b>101.</b>	<b>Vietnam</b> Association of Geodesy, Cartography and Remote Sensing VGCR, MA-10095	1		
<b>102.</b>	<b>Zimbabwe Survey Institute of Zimbabwe SIZ, MA-10097</b>	1		
	*) to be expelled 16 June 2014 **) membership to be approved 16 June 2014 ***) suspended membership Not able to vote 2 votes 3 votes		/102	/102
	<b><u>AFFILIATES</u></b>			
<b>1.</b>	<b>Albania</b> Central Office of Immovable Property Registration – IPRO AF- 20049			
<b>2.</b>	<b>Argentina</b> (Consejo Federal De Catastro De La Republica Argentina (C.F.C)), AF-20047			
<b>3.</b>	<b>Azerbaijan</b> , State Committee for Land and Cartography, State Aerogeodesy Corporation, AF-20048			
<b>4.</b>	<b>Australia and New Zealand</b> (ANZLIC), AF-20001			
<b>5.</b>	<b>Belgium</b> (General Administration of the Patrimonial Documentation), AF-20002			
<b>6.</b>	<b>Brunei Darussalam</b> (Survey Department) AF-20003			
<b>7.</b>	<b>Cambodia, Kingdom of</b> (Ministry of Land Management, Urban Planning and Construction), AF-20004			
<b>8.</b>	<b>Chile</b> (Servicio Hidrográfico y Oceanográfico de la Armada de Chile), AF-20005			
<b>9.</b>	<b>China P. R.</b> (China Land Surveying and Planning Institute), AF-20043			
<b>10.</b>	<b>Colombia</b> (Instituto Geográfico Agustín Codazzi, IGAC), AF-20006			
<b>11.</b>	<b>Colombia</b> (Alcaldía Mayor de Bogotá DC), AF-20046			
<b>12.</b>	<b>Croatia</b> (State Geodetic Administration of Republic of Croatia, DGU), AF-20042			
<b>13.</b>	<b>Cyprus</b> (Lands and Surveys Department), AF-20045			
<b>14.</b>	<b>Denmark</b> (Danish Geodata Agency), AF-20026			
<b>15.</b>	<b>Fiji</b> (iTaukei Land Trust Board, Fiji) – AF-20051			
<b>16.</b>	<b>Fiji</b> (Ministry of Lands and Mineral Resources), AF-20039			
<b>17.</b>	<b>Finland</b> (National Land Survey of Finland), AF-20030			
<b>18.</b>	<b>Guatemala</b> (Guatemalan Registry of Cadastral Information (Registro de Información Catastral de Guatemala – RIC), AF-20053			
<b>19.</b>	<b>Hungary</b> (Institute of Geodesy, Cartography and Remote Sensing, FÖMI), AF-20009			
<b>20.</b>	<b>Iceland</b> (The Land Registry of Iceland), AF-20010			
<b>21.</b>	<b>***) Iran, Islamic Republic of</b> (National Cartographic Center) AF-20036			
<b>22.</b>	<b>Iraq, Republic of</b> (General Directorate for Surveying, Ministry			

	of Water Resources), AF-20031			
23.	<b>Israel</b> (Survey of Israel), AF-20040			
24.	<b>Italy</b> (Italian Society of Photogrammetry and Topography, SIFET), AF-20035			
25.	<b>Japan</b> (Geospatial Information Authority of Japan/Geodetic Department) – AF-20052			
26.	<b>Jordan</b> (Department of Lands & Survey), AF-20011			
27.	<b>Lesotho</b> (Land Administration Authority (LAA)) – AF-20054			
28.	<b>Macedonia, FYROM</b> (State Authority for Geodetic Works), AF-20019			
29.	<b>Moldova, Republic of</b> (Agency for Land Administration and Cadastre of Republic of Moldova), AF-20041			
30.	<b>Mongolia</b> (Administration of Land Affairs, Geodesy & Cartography), AF-20018			
31.	<b>Nepal</b> (Survey Department, Government of Nepal), AF-20021			
32.	<b>Netherlands, The</b> (Cadastre, Land Registry and Mapping Agency), AF-20025			
33.	<b>Norway</b> (Norwegian Mapping and Cadastre Authority), AF-20023			
34.	<b>Romania</b> (National Agency for Cadastre and Land Administration), AF-20020			
35.	<b>Russian Federation</b> (Siberian State Academy of Geodesy), AF-20029			
36.	<b>Saudi Arabia, Kingdom of</b> (Ministry of Municipal and Rural Affairs), AF-20017			
37.	<b>Saudi Arabia</b> General Commission for Survey (GCS), General Director for General Directorate of Geodesy and Land Survey (GLS) AF-20050			
38.	<b>Sri Lanka</b> (Survey Department, Sri Lanka), AF-20044			
39.	<b>Sweden</b> (Lantmäteriet), AF-20027			
40.	<b>Switzerland</b> (Swiss Federal Office of Topography, swisstopo), AF-20033			
41.	<b>USA</b> (NOAA, National Geodetic Survey), AF-20024			
			/41	/
	<b><u>CORRESPONDENTS</u></b>			
1.	<b>Tonga</b>		/1	/
	<b><u>ACADEMIC MEMBERS</u></b>			
1.	<b>Australia</b> The University of Melbourne, AC-40002			
2.	<b>Australia</b> RMIT University, AC-40003			
3.	<b>Australia</b> University of New South Wales, AC-40004			
4.	<b>Australia</b> University of Southern Queensland, AC-40005			
5.	<b>Australia</b> University of Technology Sydney, AC-40006			
6.	<b>Austria</b> BOKU, Vienna, AC-40007			
7.	<b>Belgium</b> ECAM - Haute Ecole Leonard de Vinci, Département			

	Construction, AC-40093			
8.	<b>Belgium</b> University of Liege, Unit of Geomatics, AC-40096			
9.	<b>Belgium</b> Antwerp Maritime Academy, AC-40123			
10.	<b>Botswana</b> University of Botswana, AC-40010			
11.	<b>Brazil</b> UNISINOS, AC-40011			
12.	<b>Canada</b> University of Calgary, AC-40012			
13.	<b>Canada</b> University of New Brunswick, AC-40013			
14.	<b>Canada</b> Université Laval, AC-40092			
15.	<b>China P. R.</b> School of Public Administration, AC-40091			
16.	<b>China P. R.</b> The University of Nottingham Ningbo China, AC-10126			
17.	<b>Colombia</b> Universidad Distrital, Facultad de Ingenieria, AC-40016			
18.	<b>Colombia</b> Universidad Distrital, Facultad del Medio Ambiente y Recursos Naturales, AC-40017			
19.	<b>Colombia</b> Universidad de los Andes, AC-40128			
20.	<b>Croatia</b> University of Zagreb, AC-40020			
21.	<b>Cyprus</b> Neapolis University Pafos, AC-40114 expelled but has promised payment			
22.	<b>Czech Republic</b> Brno University of Technology, AC-40107			
23.	<b>Denmark</b> Aalborg University, AC-40021			
24.	<b>Ethiopia</b> Institute of Land Administration, Bahir Dar University, AC-40103			
25.	<b>Fiji/Oceania</b> University of the South Pacific, AC-40053			
26.	<b>Finland</b> Aalto University School of Science and Technology, AC-40022			
27.	<b>Finland</b> Helsinki Metropolia University of Applied Sciences, AC-20023			
28.	<b>Finland</b> Rovaniemi University of Applied Sciences, AC-40129			
29.	<b>France</b> Ecole Supérieure des Géomètres et Topographes, AC-40024			
30.	<b>Gabon</b> Ecole Nationale du Cadastre et des Sciences Géographiques, ENCSG AC-40132			
31.	<b>Germany</b> Technische Universität München, AC-40026			
32.	<b>Germany</b> Anhalt University of Applied Sciences, AC-40025			
33.	<b>Germany</b> Technische Universität Berlin, AC-40027			
34.	<b>Germany</b> University of Stuttgart, AC-10127			
35.	<b>Ghana</b> University of Mines and Technology (UMaT), AC-40030			
36.	<b>Greece</b> School of Rural and Surveying Engineering, AC-40031			
37.	<b>Hong Kong SAR, China</b> The Hong Kong Polytechnic University, AC-40033			
38.	<b>Hungary</b> University of West Hungary, AC-40034			
39.	<b>Ireland</b> Dublin Institute of Technology, AC-40031- expelled but promised payment			
40.	<b>Israel</b> Technion – Israel Institute of Technology, AC-40104			
41.	<b>Jamaica</b> University of Technology Jamaica, AC-40037			

42.	<b>Kazakhstan</b> East Kazakhstan State Technical University, AC-40112			
43.	<b>Kazakhstan</b> Kazakh National Technical University after K. I. Satpaev, AC-40125			
44.	<b>Kosovo</b> University of Prishtina, AC-40116			
45.	<b>Latvia</b> Riga Technical University, AC-40090			
46.	<b>Lebanon</b> Lebanese Canadian University, AC-40124			
47.	<b>Lebanon</b> Lebanese International University, LIU, AC-40130			
48.	<b>Malaysia</b> Universiti Teknologi Malaysia, Department of Geomatics Engineering, AC-40041			
49.	<b>Mexico</b> Universidad Autónoma de Nuevo León, AC-40101			
50.	<b>Nepal</b> Land Management Training Centre, AC-40089			
51.	<b>Netherlands, The</b> ITC International Institute for Geo-Information Science and Earth Observation, AC-40046			
52.	<b>New Zealand</b> University of Otago, AC-40047			
53.	<b>Nigeria</b> University of Lagos, AC-40049			
54.	<b>Nigeria</b> Nnamdi Azikiwe University, AC-40050			
55.	<b>Nigeria</b> Abia State Polytechnic, AC-40121			
56.	<b>Norway</b> Norwegian University of Life Sciences, Department of Mathematical Sciences and Technology, AC-40052			
57.	<b>Norway</b> Bergen University College, AC-40113			
58.	***) <b>Palestine Authority</b> Palestine Polytechnic University, AC40099			
59.	<b>Poland</b> Agricultural University of Krakow, AC-40054			
60.	<b>Puerto Rico, USA</b> Universidad de Puerto Rico, AC-40055			
61.	<b>Puerto Rico, USA</b> Polytechnic University of Puerto Rico, AC-40056			
62.	<b>Romania</b> 1 Decembrie 1918 University of Alba Iulia, AC-40058			
63.	<b>Romania</b> Technical University of Civil Engineering - Faculty of Geodesy, Bucharest, Romania (AC-40134)			
64.	<b>Russian Federation</b> Moscow State University of Geodesy and Cartography, Economic and Land Management, AC-40060			
65.	<b>Russian Federation</b> State University of Land Use Planning, AC-40094			
66.	<b>Rwanda, Republic of</b> INES-Ruhengeri, AC-40131			
67.	<b>Senegal</b> , University of Thies, UFR Science of engineering AC-40133			
68.	<b>Serbia, Republic of</b> University of Novi Sad, Faculty of Technical Sciences, AC-40097			
69.	<b>Slovenia</b> University of Ljubljana, AC-40062			
70.	<b>South Africa, Republic of</b> University of Cape Town, AC-40063			
71.	<b>Spain</b> Universidad Politécnica de Madrid, AC-40064			
72.	<b>Spain</b> Universidad de Jaen, AC-40122			
73.	<b>Sri Lanka</b> Sabaragamuwa University of Sri Lanka, Faculty of Geomatics (AC-40135)			

74.	<b>Sweden</b> Lund University LTH, AC-40068			
75.	<b>Sweden</b> Royal Institute of Technology, AC-40067			
76.	<b>Switzerland</b> University of Applied Sciences Northwestern Switzerland, AC-40069			
77.	<b>Trinidad and Tobago</b> University of the West Indies, AC-40085			
78.	<b>Turkey</b> Istanbul Technical University, AC-40071 expelled but has promised payment			
79.	<b>Uganda</b> Makerere University, AC-40119			
80.	<b>United Kingdom</b> Kingston University, AC-40073			
81.	<b>United Kingdom</b> The University of Nottingham, AC-40078			
82.	<b>United Kingdom</b> Oxford Brookes University, AC-40074			
83.	<b>United Kingdom</b> Reading University, AC-40110			
84.	<b>United Kingdom</b> Sheffield Hallam University, AC-40076			
85.	<b>United Kingdom</b> University of the West of England, AC-40079			
86.	<b>USA</b> New Mexico State University, AC-40081			
87.	<b>USA</b> Texas A&M University – Corpus Christi, AC-40084			
88.	<b>USA</b> University of Houston, AC-40108			
89.	<b>Multinational</b> UNIGIS International Association, AC-40120			
			/89(86)	/
	<b><u>CORPORATE MEMBERS</u></b>			
	<b>Category A - Platinum level</b>			
1.	Bentley Systems, CM-30035			
2.	Environmental Systems Research Institute, Inc. (ESRI), CM-30001			
3.	Leica Geosystems AG, CM-30002			
4.	Trimble Navigation Ltd., CM-30005			
	<b>Category C - Silver level</b>			
5.	COWI A/S, CM-30011			
6.	Geoweb S.p.A., CM-30043			
7.	Meridian+, CM-30049			
8.	The State Enterprise “State Land Cadastre Centre”, Ukraine CM-30054			
9.	Thomson-Reuters, CM-30024			
	<b>Category D - Bronze level</b>			
10.	GIM International – Geomares Publishing, CM-30012			
11.	KQ Geo Technologies, CM-30050			
12.	Ripro Corporation, Japan – CM-30057			
	<b>Category E - Basic level</b>			
13.	Derinsu Underwater Engineering Ltd., CM-30038			
14.	NEH Engineering survey and mapping limited company, Vietnam – CM-30056			
	<b>Category F - Regional level</b>			
15.	Branco Etera Ltd, Kazakhstan – CM-30055			
16.	Concord Surveying Works Co., CM-30048			
17.	Coordinates Magazines, CM-30042			
18.	Geo:connexion, CM-30018			
19.	ISQ Portugal, CM-30051			

20.	JKO Surveyors & Consultants (Pvt) Ltd, Sri Lanka CM-30053			
21.	ORBITS Engineering Firm, CM-30036			
			/21	/
	<b>HONORARY PRESIDENTS</b>			
	<b>HONORARY MEMBERS</b>			
	<b>COMMISSION CHAIRS 2015-2018</b>			
	Commission 1 – Brian Coutts			
	Commission 2 – Liza Groenendijk			
	Commission 3 – Enrico Rispolo			
	Commission 4 – Angela Kesiena Etuonovbe			
	Commission 5 – Volker Schwieger			
	Commission 6 – Ivo Milev			
	Commission 7 – Gerda Schennach			
	Commission 8 – Kwame Tenadu			
	Commission 9 – Liao Jinping			
	Commission 10 – See Lian ONG			
	Young Surveyors Network			
	Standards Network			
	<b>PERMANENT INSTITUTIONS</b>			
	International Office of Cadastre and Land Records (OICRF)			
	International Institution for the History of Surveying and Measurement, Permanent Institution of FIG			
	<b>FIG FOUNDATION</b> – President John Hohol			
	<b>FIG COUNCIL</b>			
	President Chryssy Potsiou			
	Vice President Dr. Pengfei Cheng			
	Vice President Bruno Razza			
	Vice President Diane Dumashie			
	Vice President Rudolf Staiger			

**INTERNATIONAL FEDERATION OF SURVEYORS**

**FIG 37<sup>th</sup> GENERAL ASSEMBLY**

**16 and 21 June 2014**

**Kuala Lumpur Convention Centre - Kuala Lumpur, Malaysia**

**PROGRAMME**

Monday, 16 June 2014		
<b>Kuala Lumpur Convention Centre (KLCC) - Kuala Lumpur, Malaysia</b>		
Monday 16 June	09:00-13:00 14:00-17:00	General Assembly, First Session Conference Hall 2
Tuesday, 17 June – Friday, 20 June 2014		
<b>FIG 2014 Congress</b>		
Kuala Lumpur Convention Centre (and Impiana Hotel), Kuala Lumpur, Malaysia		
<a href="http://www.fig.net/fig2014">www.fig.net/fig2014</a>		
Tuesday 17 June – Thursday 19 June 2014		
<b>FIG 2014 Congress Exhibition</b>		
Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia		
<a href="http://www.fig.net/fig2014">www.fig.net/fig2014</a>		
Tuesday– Wednesday 17-18 June	08:00-09:00 KLCC (See programme for individual rooms)	Annual Meetings of FIG Commissions and Networks
Tuesday 17 June	09:00-10:45 and 11:30 – 13:00 R402, KLCC, Kuala Lumpur	FIG Member Associations Forum These two sessions were reserved for Presidents or Heads of delegation (or their representatives) of member associations to discuss issue of their common interest. President of PEJUTA chaired the meeting. Attendance by invitation only
Wednesday 18 June 11.00–14.00 (including lunch on site)	08:30-10:00 Forest Research Institute of Malaysia (FRIM), Kepong, Kuala Lumpur. Meeting point was KLCC	Carbon Offset Programme – Let's Meet & Green Special This event was reserved for Presidents or Heads of delegation (or their representative) to plant trees as part of the carbon offset program for the Congress. Participation by invitation only and complimentary.
Friday 20 June	Presidents' Meeting 16:30-19:00 R303	FIG Presidents' Meeting This event was convened by the FIG President and reserved for Presidents or Heads of delegation of Member Associations (or their representatives) Attendance by invitation only
Saturday, 21 June 2014		

KLCC, Kuala Lumpur, Malaysia		
Saturday 21 June	09:00–13:00 14:00-16:00 Ballroom 1, KLCC	General Assembly, Second Session including Closing Ceremony. Closing ceremony commenced immediately after the conclusion of the General Assembly and was followed by the Farewell Reception hosted by the Chamber of Graduated Surveyors, Bulgaria, host of 2015 FIG Working Week.

# FIG 37<sup>th</sup> GENERAL ASSEMBLY

## List of Agenda Items

### Monday, 16 June, 09:00-13:00 and 14:00-17:00

1. OPENING PROCEEDINGS
2. ROLL CALL
3. APPOINTMENT OF TELLERS
4. ADOPTION OF THE AGENDA
5. ADOPTION OF THE MINUTES OF THE 36th GENERAL ASSEMBLY
6. MEMBERSHIP
7. APPOINTMENT OF HONORARY MEMBERS
8. PRESIDENT'S REPORT
9. FIG ACCOUNTS FOR 2013 AND AUDITOR'S REPORT AND BUDGETS 2014-2017
10. SUBSCRIPTION RATES FOR 2016
11. AMENDMENT TO STATUTES AND INTERNAL RULES
12. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2013-2014
13. REPORTS OF TASK FORCES 2013-2014
14. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2013-2014
15. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2013-2014
16. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK
17. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS
18. ELECTION OF PRESIDENT FOR 2015-2018 – PRESENTATION BY CANDIDATE
19. ELECTION OF TWO VICE PRESIDENTS FOR 2015-2018 – PRESENTATION BY CANDIDATES
20. DECISION ON THE VENUE FOR 2017 FIG WORKING WEEK – PRESENTATION BY CANDIDATES
21. DECISION ON THE VENUE FOR 2018 FIG CONGRESS – PRESENTATION BY CANDIDATE

### Friday, 20 June, 16:30-19:00

22. FIG PRESIDENT'S MEETING

### Saturday, 21 June, 09:00–13:00 and 14:00-16:00

23. ROLL CALL
24. MEMBERSHIP
25. DECISION ON THE VENUE FOR 2017 FIG WORKING WEEK
26. DECISION ON THE VENUE FOR 2018 FIG CONGRESS
27. APPOINTMENTS OF COMMISSION CHAIRS 2015-2018
28. ELECTION OF TWO VICE PRESIDENTS FOR 2015-2018
29. ELECTION OF PRESIDENT 2015-2018

30. REPORTS FROM AFFILIATE, ACADEMIC AND CORPORATE MEMBERS FORUM (IF ANY)
31. REPORTS FROM COMMISSIONS, NETWORKS (by Chairs Elects), AND TASK FORCES (IF ANY)
32. REPORTS FROM PERMANENT INSTITUTIONS (IF ANY)
33. REPORT FROM FIG FOUNDATION (IF ANY)
34. REPORT ON THE WORKING WEEK 2016 IN CHRISTCHURCH, NEW ZEALAND
35. REPORT ON THE FIG WORKING WEEK 2015, SOFIA, BULGARIA
36. OTHER MATTERS (WITH PRIOR NOTICE GIVEN TO COUNCIL)
37. PRESENTATION OF CERTIFICATES OF APPRECIATION

CLOSING CEREMONY

# FIG 37<sup>th</sup> GENERAL ASSEMBLY

## MINUTES

for the meetings held on Monday 16 June 2014 in Conference Hall 2 and on Saturday 21 June 2014 in Ballroom 1 at the Kuala Lumpur Convention Center, Kuala Lumpur, Malaysia

### MONDAY, 16 JUNE

**Monday, 16 June, 09:00-13:00 and 14:00-17:00**  
**Conference Hall 2, Kuala Lumpur Convention Center**  
**General Assembly, First Session**

#### 1 OPENING PROCEEDINGS

President CheeHai Teo opened the 37<sup>th</sup> General Assembly and welcomed all members to Kuala Lumpur, Malaysia to the current council's final General Assembly with a short address.

The President expressed his gratitude to members and delegates for their participation and acknowledged the efforts of AALSM, the local organising committee and FIG Office towards a successful Congress with over 2500 participants from almost 100 countries.

The President expressed condolences and the general assembly observed a moment of silence in memory of Honorary President Karl-Olof Ternryd, Sweden, who passed away July 2013.

The President welcomed three Honorary Presidents: Juha Talvitie, Robert Foster and Stig Enemark and two Honorary Members: Paul van der Molen and Helge Onsrud to the meeting.

#### 2 ROLL CALL

Vice President Rudolf Staiger took the roll call. The roll call was done only for member associations. Delegates representing affiliate members, academic members, corporate members and correspondents as well as honorary presidents and honorary members were entered based on their registrations and information given to the FIG Office.

Since only member associations that have paid all their membership fees to the end of 2013 were allowed to vote at the meeting, a list of member associations that were not allowed to vote was published and posted on the FIG web site **15 May 2014**.

**Appendix to items 2 & 23:** Roll Call

**Appendix to items 2 & 23:** List of member associations that are not allowed to vote at the General Assembly due to unpaid membership fees for 2013 and earlier. Updated at 20 June 2014.

56 members out of 101 were present at the first session which is more than one third of the membership, the requirement for a quorum for the General Assembly. 53 member associations were allowed to vote.

**Motion:** Those members present are recorded in the minutes.

**Decision:** The motion was adopted.

### **3 APPOINTMENT OF TELLERS**

The General Assembly shall appoint two persons as tellers for the entire General Assembly. The tellers will represent member association that hosted the preceding (Nigerian Institution of Surveyors, NIS, Nigeria) and the host of the proceeding following General Assembly (Chamber of Graduated Surveyors, CGS, Bulgaria).

**Motion:** That the General Assembly appointed Bern. Omo Akhigbe from NIS and Angel Yanakiev from CGS as tellers for this General Assembly.

**Decision:** The motion was adopted.

### **4 ADOPTION OF THE AGENDA**

The Agenda for the General Assembly was issued as mandated, on 16 April 2014.

**Motion:** That the agenda be adopted.

**Decision:** The motion was adopted.

### **5 ADOPTION OF THE MINUTES OF THE 36<sup>th</sup> GENERAL ASSEMBLY**

Minutes have been circulated previously.

**Appendix to item 5:** Minutes of the 36<sup>th</sup> General Assembly in Abuja, Nigeria, May 2013, without appendices.

**Motion:** That the minutes be adopted as recorded.

**Decision:** The motion was adopted.

### **6 MEMBERSHIP**

#### **6.1. Admittance of new member associations**

##### **6.1.1 The Institute of Surveyors, St. Lucia, Inc. ISSL (MA-10123)**

The Institute of Surveyors (St. Lucia) Inc. ISSL has applied for membership. ISSL was established in 2003. Their total membership (all categories) is 85 and qualified and full members numbered 66. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believes that the association meets criteria for membership of FIG as a member association.

**Appendix to item 6.1.1:** Membership application from The Institute of Surveyors, St. Lucia, Inc. ISSL

**Motion:** That the General Assembly admits The Institute of Surveyors, St. Lucia, Inc. ISSL to become a member association of FIG.

**Decision:** The motion was adopted. Since ISSL was not present their membership certificate will be sent to the association

#### 6.1.2 Botswana Surveying and Mapping Association

Botswana Surveying and Mapping Association was expelled in 2012. FIG office has received a new application from them since they are now ready to be included as FIG member again. They have paid both old arrears as well as 2014 fee. The application for renewal of membership is attached as **appendix to agenda item 4.1**.

**Motion:** That the General Assembly reinstate Botswana Surveying and Mapping Association as member association.

**Decision/Action:** The motion was adopted and the FIG President presented Mr Emmanuel Tembo, representative from Botswana Surveying and Mapping Association the membership certificate.

#### 6.1.3 Ordre des Geometres et Experts Fonciers – Algeria

Ordre des Geometres et Experts Fonciers – Algeria was expelled from FIG at FIG General Assembly 2013. FIG Office has however been in closer contact with the association because they were keen on staying as member of FIG. For over a year they have worked on getting payment to FIG approved. FIG received their membership payment and arrears in June 2014. It was therefore proposed to restore Ordre des Geometres et Experts Fonciers. A new application form is not needed.

**Motion:** That FIG General Assembly noted the update on the membership of Ordre des Geometres et Experts Fonciers

**Decision/Action:** The motion was adopted.

## **6.2 Resignation by member association**

### 6.2.1 Hong Kong Institute of Surveyors

Hong Kong Institute of Surveyors has regrettably decided to resign from FIG. FIG Council is thankful that HKIS has cleared all arrears and there are no outstanding dues. FIG looks forward to a time where HKIS will find it fit to rejoin our global community.

**Motion:** That the General Assembly noted the resignation of HKIS

**Decision:** The motion was adopted.

## 6.2.2 MA-10052 – The Lithuanian Association of Property Valuers

The Lithuanian Association of Property Valuers has sent a letter to inform that they want to terminate their membership.

**Motion:** That FIG General Assembly noted the termination of The Lithuanian Association of Property Valuers as a member of FIG.

**Decision/Action:** The motion was adopted.

## 6.2.3 HARSE, Greece

HARCE, Greece has informed that they want to terminate their membership but will continue their engagement through the other Greek member TCG.

**Motion:** That FIG General Assembly noted the termination of HARSE, Greece as a member of FIG.

**Decision/Action:** The motion was adopted.

## 6.3 Expulsion of member associations

Subscriptions of following member associations are more than three years in arrears:

- Federación Argentina de Agrimensores FADA, Argentina (MA-10002)
- Colegio de Ingenieros y Agrimensores de Puerto Rico (MA-10069)

Geodetic Engineers of the Philippines are also more than three years in arrears and should also be expelled. However the FIG Council has received a letter from Geodetic Engineers of the Philippines that they will pay their arrears within the following three months.

The General Assembly has powers to expel from the Federation any member association whose fees are in arrears and shall under normal circumstances expel any member association whose fees are three years in arrears. (Article 4.3 of the Statutes). The FIG office has sent a letter to these associations informing that if their membership fees are still in arrears at the time of the General Assembly the General Assembly shall expel the above member associations in Kuala Lumpur.

In accordance with its administrative measures, FIG Council, has deferred the issuance of a membership subscription invoice to the Order of Syrian Engineers and Architects, OSEA as all efforts to maintain contact with them has not yielded results, will deem their membership in suspension giving due consideration to its internal situation. As reported in previous General Assembly, there remain existing sanctions on Iran and Denmark cannot receive payments from Iranian Professional Society of Surveying Engineers (ISS). Again in accordance with its administrative measures, FIG Council deem their membership to be in suspension. Council will reconsider the situation with these associations again in 2015.

After acceptance of new member associations and expulsions the number of FIG member associations is 101 from 88 countries.

**Motion:** That the General Assembly expels the

- Federación Argentina de Agrimensores FADA, Argentina (MA-10002)
- Colegio de Ingenieros y Agrimensores de Puerto Rico (MA-10069)

That the General Assembly allows Geodetic Engineers of the Philippines until 1 October to pay their arrears and if the arrears are not paid by then they will be expelled at the following council meeting.

**Decision:** The motion was adopted.

## **6.4 Other membership issues**

### *6.4.1 Affiliate members*

The Council has admitted the following national agencies to become affiliate members:

- State Committee for Land and Cartography, State Aerogeodesy Corporation, Azerbaijan
- Central Office of Immovable Property Registration – IPRO Albania
- General Commission for Survey (GCS), General Directorate of Geodesy and Land Survey (GLS), Saudi Arabia.

The council has expelled the following affiliate members because of unpaid membership subscriptions.

- Afghan Land Consulting Org. (AF20034)

The council has received information of termination of membership from:

- National Geographic Department, Laos.

After these changes the number of affiliate members is now 42.

### *6.4.2 Corporate members*

The Council has admitted the following companies as Corporate Members of FIG after the General Assembly in 2013:

- MundoGEO, Brazil, (category F, regional level)
- The State Enterprise “State Land Cadastre Centre”, Ukraine (Category C, silver level)
- JKO Surveyors & Consultants (Pvt) Ltd, Sri Lanka (category F, regional level)

Thomson Reuters has revised their membership category from category E – basic level to category C silver level.

Following corporate members have resigned from their membership from 1.1.2014:

- FARO, Germany (category C –silver level)
- ICGC – Institut Cartographic i Geologic de Catalunya

After these changes the number of corporate members is now 22.

#### 6.4.3 Academic members

FIG Council has admitted the following University to become Academic member:

- University of Thies, UFR Science of engineering from Senegal

The Council has expelled following universities because of unpaid membership subscriptions:

- Zonguldak Karaelmas Univ. Turkey (AC-40111)

The following academic members have resigned their membership:

- Fachhochschule Trier, Germany
- National University of Singapore

The number of Academic Members after these changes is 90 from 57 countries.

#### 6.4.4 Correspondents

Council has not made any changes in Correspondent members since General Assembly 2013 and the number of correspondents remains at 3.

**Motion:** That the General Assembly notes the actions that the Council has taken with these membership matters.

**Decision:** The motion was adopted.

## 7 APPOINTMENT OF HONORARY MEMBERS

### **Mr. John Hohol**

NSPS (formerly ACSM) National Office, United States has sent a nomination letter in which it proposes that FIG appoints Mr. John Hohol as an Honorary Member of FIG.

### **Mr. Iain Greenway**

Chartered Institution of Civil Engineering Surveyors ICES, United Kingdom, has sent a nomination letter in which it proposes that FIG appoints Mr. Iain Greenway as an Honorary Member of FIG.

FIG Council has considered these nominations and considers that both applications fulfil the criteria (see criteria at: <http://www.fig.net/pub/figpub/pub40/figpub40.htm#Criteria>) for an Honorary Member and therefore proposed to the General Assembly that it appoints Mr John Hohol and Mr Iain Greenway as an Honorary Members of the Federation for the outstanding

services both have provided to the Federation. The two candidates were introduced respectively by NSPS and ICES.

**Appendix to item 7:** The nomination letter from NSPS National Office, United States and from ICES, United Kingdom

**Motion:** That the General Assembly appoints Mr. John Hohol and Mr. Iain Greenway as Honorary Members of FIG.

**Decision:** The General Assembly appointed Mr John Hohol and Mr Iain Greenway as Honorary Member of FIG by acclamation. Mr John Hohol was presented his badge with silver oak leaves and Certificate of Honorary Member. As Iain Greenway could not be present, his Certificate and Badge will be presented to him at the next General Assembly.

## **8 PRESIDENT'S REPORT**

President CheeHai Teo has prepared the President's report on the activities of the Federation since the General Assembly in Abuja in May 2013.

**Appendix to item 8:**

- President's report
- Presentation hand-outs

**Motion:** That the General Assembly accepts the President's report.

**Decision:** The motion was adopted

## **9 FIG ACCOUNTS FOR 2013, AUDITOR'S REPORT AND BUDGETS 2014-2017**

Vice President Bruno Razza, responsible for FIG Finances and Office was unfortunately not present. Therefore Vice President Chryssy Potsiou presented the financial report to the General Assembly. This report included the auditors report from 2013, official accounts (income statement 2013) and balance sheet 31 December 2013, a summary of 2013 accounts, an updated budget for 2014 and proposals for budgets 2015-2017 with notes and proposal for membership fees for member associations in 2016.

**Appendix to item 09:**

Report on Financial Issues (including 2013 accounts and budgets 2014-2017)

Presentation by Vice President Chryssy Potsiou

Annexes:

- **9A** Auditor's Report, Income Statement for 2013 and Balance Sheet at 31 December 2013.
- **9B** FIG Result 2013
- **9C** FIG Budgets 2014-2017
- **9D** List of member associations whose membership fees are in arrears for 2013 and earlier and that are not allowed to vote - published on the FIG web site **15 May 2014**

**Motion:** That the General Assembly

- adopts the audited accounts for 2013,
- adopts the Finance Report, and
- adopts budgets for 2014–2017

**Decision:** The motion was adopted.

## 10 SUBSCRIPTION RATES FOR 2016

The General Assembly has to set levels of fees for member associations two years in advance of the year in which they become payable. Fees are payable in respect of each individual member up to a maximum of 5,500 members. Membership fee structure was changed in 2009. Membership fees have been discussed as part of the finance report, **appendix to item 9**.

The 2013 General Assembly approved membership fees for 2015 as follows:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2015	€4.48 per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay €2.24 per member up to a maximum of 5,500 members.	20 members or €50 (whichever is greater)	5,500 members (€24,640)

The World Bank lists of the low-income economies and the lower-middle-income economies are available at: <http://data.worldbank.org/about/country-classifications/country-and-lending-groups>

Recognising that the level of the 2016 subscription fees is dependent on the strategies of the new council, this Council remains responsible to propose to the General Assembly the level of subscription for 2016. Council has considered that a small rise in subscription might be appropriate given FIG's financial challenges expected over the coming years. Council is however also conscious of the economic condition that members are operating under and in particular member's challenges with their national membership and budgets. Council wishes to respect this as well and believes that the incoming Council and FIG Office will continue to be prudent in its financial management. Council therefore proposes the level of subscription for member associations for 2016 be at the same level as 2015. However, the incoming Council may review its subscription fees strategies for other categories of membership, in the future.

**Motion:** That the General Assembly adopts following membership fees payable by member associations in 2016:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2016	€4.48 per member up to a	20 members or €50	5,500 members

maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay €2.24 per member up to a maximum of 5,500 members.	(whichever is greater)	(€24,640)
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**Decision:** The motion was adopted.

## 11 AMENDMENT TO STATUTES AND INTERNAL RULES

### Amendments proposed by FIG Council

FIG Council proposed three amendments to the Statutes and Internal Rules for the consideration of the General Assembly. General Assembly was to note that any decision at this first session of the General Assembly to the Statutes and Internal Rules, when adopted, will be implemented at the second session of the General Assembly

#### ***FIG Statutes 6.6.***

FIG Council proposed to amend item 6.6 of the statutes as follows:

<b>Existing Provisions</b>	<b>Proposed Amendments</b>	<b>Rationale</b>
6.6 A member association may only cast one vote on each issue.	6.6 A member association may:  a) cast one vote on each issue provided the member association had in the most recent subscription period an individual membership of 999 or fewer;  b) cast up to three votes on each issue provided the member association had in the most recent subscription period an individual membership of 5,500 or more, and subjected to the maximum subscription for a member association set by the General Assembly;  c) otherwise cast up to two votes on each issue.	The 2012 General Assembly in Rome unanimously adopted the recommendations from the Working Group on Voting Rights that was convened by the 2011 General Assembly in Marrakech that the voting system be changed; that the right to vote remains with members associations; and that a sliding scale of voting, relative to association's membership numbers, be adopted; and that Council prepare and table a proposal (after consultation with the members) to amend Article 6.6 of the FIG Statutes no later than at the 1 <sup>st</sup> session and to be implemented at the 2 <sup>nd</sup> session of the 2014 General Assembly in Kuala Lumpur, Malaysia  In early 2013, Council prepared and sent out a one-page consultation paper that set out the essentials of Council's recommendation that is reflected in the proposed amendment to Article 6.6 of FIG Statutes. The one-page consultation paper is attached.

**Motion:** That FIG General Assembly agree to amend FIG Statutes item 6.6 to:

6.6 A member association may:

- a) cast one vote on each issue provided the member association had in the most recent subscription period an individual membership of 999 or fewer;
- b) cast up to three votes on each issue provided the member association had in the most recent subscription period an individual membership of 5,500 or more, and subjected to the maximum subscription for a member association set by the General Assembly;
- c) otherwise cast up to two votes on each issue.

and the decision is implemented at the 2<sup>nd</sup> Session of the 37<sup>th</sup> General Assembly.

**Decision:** The decision was by ballot and 52 votes were casted with 40 votes in favour and 12 votes against. The statute change was adopted and FIG Statutes 6.6 will be implemented at the 2<sup>nd</sup> Session of the 37<sup>th</sup> General Assembly.

### *FIG Statutes 8*

FIG Council proposed to amend item 8 of the statutes as follows:

<b>Existing Provisions</b>	<b>Proposed Amendments</b>	<b>Rationale</b>
<p>8 Force majeure</p> <p>8.1 In the event of force majeure rendering liaison with the majority of members of the Federation impossible, the Council shall take all measures necessary for the safety of the Federation's funds and its archives and for the custodianship of the Federation; but otherwise all activity of the Federation shall cease until conditions permit activities to be resumed.</p>	<p>8 Force majeure</p> <p>8.1 If the Council determines that circumstances at the designated venue do not allow the convening of a General Assembly in conformance with these Statutes, the Council will take the steps it considers necessary to continue the work of the Federation, including communicating with the Federation's members. This may include: using postal voting for matters requiring urgent decision (except that of election to office); deferring the business of a General Assembly to the following year's General Assembly; or convening a rearranged meeting of the General Assembly. A rearranged meeting will always be arranged if there is an election to office to be determined. If the Council decides to convene a rearranged meeting of the General Assembly in these circumstances, the timetabling provisions of Statutes 6.1 and 6.2 may be waived.</p> <p>8.2 In the event of force majeure rendering liaison with the majority of members of</p>	<p>The General Assembly decides four years out the venue of FIG's future General Assembly that is attached to FIG's Working Week and Congress. Council recognized that circumstances at the chosen venue might be impacted by subsequent events and occurrences that do not allow the convening of a General Assembly in a safe and sure circumstances.</p> <p>The new provision under Item 8.1 allows Council to take the necessary steps to continue the work of the Federation and may include postal voting, deferring the business to the following year or convening a rearranged meeting of the General Assembly. Any election to office must be at a rearranged meeting of the General Assembly and not deferred nor decided by postal vote.</p> <p>The existing Item 8.1 be renumbered as 8.2</p>

Existing Provisions	Proposed Amendments	Rationale
	the Federation impossible, the Council shall take all measures necessary for the safety of the Federation's funds and its archives and for the custodianship of the Federation; but otherwise all activity of the Federation shall cease until conditions permit activities to be resumed.	

**Motion:** That FIG General assembly agree to amend FIG Statutes item 8 to:

8 Force majeure

8.1

If the Council determines that circumstances at the designated venue do not allow the convening of a General Assembly in conformance with these Statutes, the Council will take the steps it considers necessary to continue the work of the Federation, including communicating with the Federation's members. This may include: using postal voting for matters requiring urgent decision (except that of election to office); deferring the business of a General Assembly to the following year's General Assembly; or convening a rearranged meeting of the General Assembly. A rearranged meeting will always be arranged if there is an election to office to be determined. If the Council decides to convene a rearranged meeting of the General Assembly in these circumstances, the timetabling provisions of Statutes 6.1 and 6.2 may be waived.

8.2

In the event of force majeure rendering liaison with the majority of members of the Federation impossible, the Council shall take all measures necessary for the safety of the Federation's funds and its archives and for the custodianship of the Federation; but otherwise all activity of the Federation shall cease until conditions permit activities to be resumed.

**Decision:** The decision was by ballot and 52 votes were casted with 49 votes in favour, 2 votes against and 1 invalid vote. The statute change was adopted.

### ***FIG Internal Rules 13 and 14***

FIG Council proposed to amend item 13 and 14 of Internal Rules as follows:

Existing Provisions	Proposed Amendments	Rationale
13 Ad Hoc Commissions  13.1 In addition to the commissions, ad hoc commissions may be established by a vote of the General Assembly to carry out special technical assignments, projects or studies, including cross-commission activities. Ad hoc commissions will	13 (Blank)	This amendment reflects the fact that recent and current task forces were established to address matters that are more than just administrative or of a general policy nature.  Task forces have been established to consider, research and report on

Existing Provisions	Proposed Amendments	Rationale
<p>normally be established for a specified period and disbanded following the acceptance of their reports by the General Assembly. Their composition, chairs, terms of reference and work plans shall be approved by the Council.</p> <p>14 Task forces</p> <p>14.1 Task forces may be established by the Council to research and to advise on matters of an administrative or of a general policy nature. They will normally be of short duration and will be concluded on the presentation and acceptance of their reports by the Council and, where necessary, the General Assembly. Their composition, chairs, terms of reference and work plans shall be approved by the Council.</p>	<p>14. Task Forces</p> <p>14.1 Task Forces may be established by the Council to carry out special technical assignments, projects or studies, or to advise on matters of an administrative or general policy nature. They will normally be established for a specified period and disbanded following the acceptance of their reports by the Council and, where necessary, the General Assembly. Their composition, chairs, terms of reference and work plans shall be approved by the Council.</p>	<p>matters that are technical, that are cross cutting as well as emerging issues that are of interest to the profession. They have therefore taken the place of ad hoc commissions, and the proposed deleting of internal rule 13 and amendment of internal rule 14 reflects this.</p>

**Motion:** That FIG General Assembly agree to amend FIG Internal Rule item no 13 and 14 to:

13 (Blank)

14. Task Forces

14.1

Task Forces may be established by the Council to carry out special technical assignments, projects or studies, or to advise on matters of an administrative or general policy nature. They will normally be established for a specified period and disbanded following the acceptance of their reports by the Council and, where necessary, the General Assembly. Their composition, chairs, terms of reference and work plans shall be approved by the Council.

**Decision:** The decision was by ballot and 52 votes were casted with 47 votes in favour and 4 votes against. The statute change was adopted.

FIG Council has received two suggestions to review and amend FIG Statutes and Internal Rules. The first is from Geosuisse and the second from DdL. The suggestions are as follows

a) Geosuisse, Switzerland – change in the nomination process:

That the nomination process be changed in the following sense:

- No longer the member associations nominate a candidate directly. They can propose candidates to a respective nominating body;
- For Vice-presidents a regional body formed by the regional associations will have the right to nominate candidates. This makes it necessary that a candidate is better known and that every region has a representative. The regional bodies have to check if a candidate is eligible and has sufficient support, also in financial terms;
- For Commission Chairs Elect, the right to nominate should be with the Commissions themselves. They have to evaluate the candidates and to make sure that she/he is able to fulfil the responsibility. The Commissions are the only bodies that have sufficient knowledge of their national delegates and who are able to judge their eligibility. Commissions will discuss with the national association the candidate they wish to nominate.

b) DdL - Denmark – Term of Office

The term of office, as provided for under FIG Statutes 5.5, for all elected members of the Council is four years subject to the provisions of section 5.6. No individual may serve for more than two consecutive periods on the Council and the term of office of the president is limited to one period of four years. *The term of office for the President, Vice Presidents and the ACCO representative starts immediately following their election* instead of the current provision, that's on 1<sup>st</sup> January in the year following their election.

FIG Council sought guidance from the General Assembly and invited Geosuisse and DdL to present their suggestions to the General Assembly. FIG Council also presented their thoughts on the suggestions. Hereafter there was general discussion and deliberations with a number of members weighing in on the suggestions, some speaking for, others against, yet others elaborating and making further suggestions. DdL subsequently withdrew their suggestions and together with GeoSuisse content to allow Council to further consider these suggestions together with the comments from the General Assembly.

**Appendix to item 11:**

Letter from Geosuisse, Switzerland and DdL, Denmark

- Presentation by DDL
- Council comments to the presentations

**Motion:** That General Assembly provides guidance to the FIG Council on the suggestions forwarded by GeoSuisse and DdL.

**Decision:** Council to further consider these suggestions together with the comments from the General Assembly and revert to the General Assembly.

**12 REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2013-2014**

Commission Chairs, 2011-2014, were required to submit a written report on the Commission activities covering period from Working Week in Abuja to the General Assembly. These reports include reports of the Commission chair and Commission working groups. The reports include also the two FIG networks: Standards Network and Young Surveyors Network.

Each Commission and Network Chair gave a short report on Commission activities to the General Assembly.

**Appendices to item 12:** Commission reports:

- 12.01** Commission 1 – hand-outs of presentation
- 12.02** Commission 2 – hand-outs of presentation
- 12.03** Commission 3 – hand-outs of presentation
- 12.04** Commission 4 – hand-outs of presentation
- 12.05** Commission 5 – hand-outs of presentation
- 12.06** Commission 6 – hand-outs of presentation
- 12.07** Commission 7 – hand-outs of presentation
- 12.08** Commission 8 – hand-outs of presentation
- 12.09** Commission 9 – hand-outs of presentation
- 12.10** Commission 10 – hand-outs of presentation
- 12.11** Standards Network – hand-outs of presentation
- 12.12** Young Surveyors Network – hand-outs of presentation

**Motion:** That the General Assembly adopts the tabled reports of the Commission and Network Chairs and records its thanks to the chairs and other officers of the Commissions and Networks for their on going contributions.

**Decision:** The motion was adopted.

### **13 REPORTS OF TASK FORCES 2013-2014**

FIG has currently three Task Forces: 1) FIG Africa Task Force (2009 – 2014), chaired by Dr. Diane Dumashie (RICS); 2) Task Force on Surveyors and the Climate Change (2011-2014) chaired by Prof. John Hannah (NZIS); and 3) Task Force on Property and Housing (2011-2014) chaired by Prof. Chryssy Potsiou (TCG/HARSE).

Each Chair gave a short report on activities of the Task Force to the General Assembly.

**Appendices to item 13:** Task Force reports:

- **13.1** FIG Africa Task Force – hand-outs of presentation
- **13.2** Task Force on Surveyors and the Climate Change – hand-outs of presentation
- **13.3** Task Force on Property and Housing – hand-outs of presentation

**Motion:** That the General Assembly adopts the tabled reports and records its thanks to the Chairs of the Task Forces and their members for their work and contributions.

**Decision:** The motion was adopted.

## **14 REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2013-2014**

### **14.1 International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF**

Mr. Christiaan Lemmen, Director of OICRF had prepared a report on the OICRF activities since the General Assembly in Abuja. He made a short report to the General Assembly.

**Appendix to item 14.1:** Report from the International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF.

**Motion:** That the General Assembly adopts the report and records its thanks to the members of OICRF for their past year's work and contribution.

**Decision:** The motion was adopted.

### **14.2 International Institution for the History of Surveying and Measurement, Permanent Institution of FIG**

Mr Jan de Graeve Director of the IIHSM had prepared a report on the IIHSM activities since the General Assembly in Marrakech. Mr John Brock made a short report to the General Assembly on his behalf.

**Appendix to item 14.2:** Report from the International Institution for the History of Surveying and Measurement, Permanent Institution of FIG.

**Motion:** That the General Assembly adopts the report and records its thanks to the Director and the members of the permanent institution for their past year's work and contribution.

**Decision:** The motion was adopted.

## **15 REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2013-2014**

Mr. John Hohol, President of the FIG Foundation had prepared a report on the FIG Foundation activities from May 2013 to April 2014. He made a short report to the General Assembly.

**Appendix to item 15:** Report of the FIG Foundation activities 2013-2014

**Motion:** That the General Assembly adopts the report of the President of the FIG Foundation and records its thanks to the President and members of the Board of Directors of the FIG Foundation for their past year's work.

**Decision:** The motion was adopted.

## **16 CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK**

Since the 36<sup>th</sup> General Assembly, FIG has continued to collaborate with the World Bank and various agencies and structures within the United Nations. The activities with these bodies are in the President's report, **appendix to item 8**.

**Motion:** That the General Assembly adopts the report on the co-operation between FIG and the United Nations, its agencies and the World Bank and records its thanks to all those who have contributed to this co-operation.

**Decision:** The motion was adopted.

## **17 LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS**

The Joint Board of Spatial Information Societies JB-GIS was formally established during the FIG Working Week in Cairo in 2005 and meets annually during a major conference. The meeting of JB-GIS in 2013 was held in August 2013 on the sideline of the IAG Congress and VP Rudolf Staiger represented FIG. Prof. William Cartwright was retained as Chair for one further year. FIG has collaborative MoUs with a number of the organizations who are part of JB-GIS.

FIG has further bilateral agreements of co-operation with several other international associations like ISM, IFHP, CIB, ION, ICEC, FIABCI, IFHS, PAIGH and PAQS.

FIG is a member of the International Council for Science (ICSU) and working together with ISO and International Valuation Standards Committee (IVSC) on standards. FIG also joined the IPMS (International Property Measurement Standards) Coalition.

Co-operation with international and regional organisations are in President's report, **appendix to item 8**.

**Motion:** That the General Assembly records the report on the liaison with other international associations.

**Decision:** The motion was adopted.

## **18 ELECTION OF PRESIDENT FOR 2015-2018 – PRESENTATION OF CANDIDATE**

The Council has received one nomination for the post of FIG President: Chryssy Potsiou, Technical Chamber of Greece. The profile template of the candidate is attached to this agenda. In the first session of the General Assembly the candidate will be given time (not more than 5 minutes) to introduce herself and make a presentation focussing on her ideas, goals and agenda for furthering FIG's objects and global stature.

The election, notwithstanding that there is only one candidate, will take place at the second session of the General Assembly by blind votes on Saturday 21 June. 2014

**Appendices to item 18 and 29:** Nomination templates of candidate to FIG President 1.1.2015-31.12.2018: Ms Chryssy Potsiou, TCG, Greece

**Motion:** That the General Assembly notes the presentation of the candidate; make its careful consideration at the election during the second session of the General Assembly on the 21 June.

**Decision:** The motion was adopted.

## **19 ELECTION OF TWO VICE PRESIDENTS FOR 2015-2018 – PRESENTATION OF CANDIDATES**

The Council had received six nominations for the two posts of FIG Vice President:

- a) Yerach Doytsher, The Association of Licensed Surveyors in Israel;
- b) Diane Dumashie, RICS, United Kingdom;
- c) Kate Fairlie, SSSI, Australia;
- d) John Hannah, NZIS, New Zealand;
- e) Mikael Lilje, Swedish Professionals for the Built Environment, Sweden; and
- f) Rudolf Staiger, DVW, Germany

Council with deep regret accepted Yerach Doytsher's withdrawal of his candidacy. The profile templates of each candidate as well as presentation hand-outs are attached to these minutes. Each candidate introduced her/him and made a presentation focussing on his/her ideas and goals for developing the FIG agenda to the General Assembly.

The elections will take place at the second session of the General Assembly by blind votes on Saturday 21 June, one position at a time.

**Appendix to item 19 and 28:** Profiles of the candidates for FIG Vice President 1.1.2015-31.12.2018:

- Diane Dumashie, RICS, United Kingdom; handouts of presentation
- Kate Fairlie, SSSI, Australia; handouts of presentation
- John Hannah, NZIS, New Zealand; hand-outs of presentation
- Mikael Lilje, Swedish Professionals for the Built Environment, Sweden; hand-outs of presentation
- Rudolf Staiger, DVW, Germany

**Motion:** That the General Assembly notes the presentations of the candidates makes its careful consideration at the elections during the second session of the General Assembly on the 21 June.

**Decision:** The motion was adopted.

## **20 DECISION OF THE VENUE FOR FIG WORKING WEEK 2017 – PRESENTATION OF CANDIDATES**

The FIG Working Weeks are organised by FIG together with the local member association. FIG will together with the local member association have full responsibility of the arrangements and of the financial result. This offers FIG better opportunities in terms of organising events and generating revenue. Therefore the Council has to ensure that all candidates are aware of the role of FIG and split of responsibilities for organising the Working Week. This General Assembly will decide on the host for the 2017 Working Week.

The FIG Council has received three bids to host the FIG Working Week 2017:

- Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS) as partner in Helsinki
- Nepal Institution of Chartered Surveyors (NICS) in Kathmandu,
- Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR) in Hanoi

The Council had prepared a desktop summary on the bids and had also carried out an evaluation together with the FIG Office that was presented at the General Assembly. In the summary report the following considerations, as laid out in the invitation documentation, are described for comparison:

1. Rotation of the conferences (region);
2. Country (hosting of earlier FIG events, experience);
3. Member association (its activeness, commitment to FIG and to FIG 2017, execution ability for local association);
4. Supporting organisations (local support to the Working Week, governmental support, financial support, general support);
5. Host city (characteristics and interest from congress programme point of view, host city attractiveness, host city offerings);
6. Venue (price/affordability, location of venue, internet availability suitability of rooms, size of venue, structure and layout of the venue, catering, value for money, hotels nearby facilities for exhibition);
7. Accessibility (flight connections, several access possibilities, security, visa issues, air fare to destination);
8. Safety and security (political stability, airport safety, city safety, political stability in the country - rating must be 3 or higher);
9. Proposed dates (must meet FIG requirements, Following FIG statutes, practical dates, availability of venue, other conferences at the same time)
10. Technical programme (coverage of all FIG Commissions, potential partners, originality, special ideas);
11. Technical tours (coverage of all FIG Commissions, originality, ideas proposed);
12. Social programme (attractiveness and variety, proposals for dinners, attractiveness of offered dinners, proposals for tours, is the programme following the overall FIG concept);
13. Attendance (expectation of international, regional and local attendance, realistic number of international and national participants);

14. Finances (estimate of surplus and financial risks, realistic fees proposed, fees in an acceptable price range, difference between international and national fees, realistic budget, estimated revenue);
15. Sponsorship (estimate sponsorship and exhibition income, proposed income, how realistic is proposed income, local sponsor offerings, sponsor interest to conference);
16. Why host (reason for hosting);
17. Objectives and outcomes (thought through why conference should be held at destination, difference to other destinations, short term outcome, long term outcome);
18. Suggested theme (thought of possible theme that fits to local/regional situation);
19. Events organised in the past three years (how experienced is the host in organising events)
20. Major events planned in the proposed city in 2017 (many events might affect the price level);
21. Initiatives for sustainable conference environment (is host city, venue and local host paying attention to environmental issues);
22. New initiatives or activities (originality – but within the overall FIG concept)
23. What legacy to leave locally from the Working Week (with host, hosting city, for the surveying community)

The summary report will not give a recommendation or a preference to any candidate but it will provide useful information on each items listed above and summarise the pros and cons of each candidate to assist the member association in making their decision. General Assembly must note that, especially in these past years, the issue of security and financial viability has come to the fore. The purpose of the evaluation process is to maintain the continued viability, high standard and quality of the FIG Working Week.

The Council has considered the bids and decided to present all submitted bids to the General Assembly for its decision. The General Assembly was recommended to read the summaries and the bids carefully.

#### **Appendix to item 20 and 25:**

Summary Report on the Bids for FIG 2017 Working Week

Bidding documents for FIG 2017 Working Week:

- Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS) as partner in Helsinki
- Nepal Institution of Chartered Surveyors (NICS) in Kathmandu,
- Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR) in Hanoi

At the session each candidate was given the same time (not more than 10 minutes) to make a presentation of their proposal and framework of the Working Week and their bid. FIG Council presented its evaluation and the impact on FIG on the various bids.

Decision on the venue of FIG 2017 Working Week was made at the second session of the General Assembly on 21 June. The voting will be made by blind votes. If there will be no absolute majority in the first voting for any of the proposals, a second vote will be organised between those two candidates that have most votes.

#### **Appendix:**

- Presentation by Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS) as partner in Helsinki
- Presentation by Nepal Institution of Chartered Surveyors (NICS) in Kathmandu,
- Presentation by Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR) in Hanoi
- Presentation on FIG Council's evaluation

**Motion:** That the General Assembly notes the submission, the summary report, the presentations and FIG's evaluation of the candidates, makes its careful consideration and decision during the second session of the General Assembly on 21 June.

**Decision:** The motion was adopted

## **21 DECISION OF THE VENUE FOR FIG CONGRESS 2018 – PRESENTATION OF CANDIDATE**

The FIG Congresses are organised by FIG together with the local member association. FIG will together with the local member association have full responsibility of the arrangements and of the financial result. This offers FIG better opportunities in terms of organising events and generating funds. Therefore the Council has to ensure that any candidates are aware of the role of FIG and split of responsibilities for organising the Congress. This General Assembly will decide on the host for the 2018 Congress.

The FIG Council has received one bid to host the FIG 2018 Congress:

- Turkish Chamber of Survey and Cadastre Engineers in Istanbul, Turkey

The Council has prepared a desktop summary on the bids and has also carried out an evaluation together with the FIG Office that will be presented at the General Assembly. In the summary report the considerations, as laid out in the invitation documentation, are described for comparison.

The summary report will not give a recommendation but it will provide useful information to assist the member association in making their decision. General Assembly must note that, especially in these past years, the issue of security and financial viability has come to the fore. The purpose of the evaluation process is to maintain the continued viability, high standard and quality of the FIG Congress.

The Council has considered and decided to present this submitted bids to the General Assembly for its decision, notwithstanding that there is only one candidate. The General Assembly is recommended to read the summary and the bid carefully.

### **Appendix to item 21 and 26:**

Summary Report on the Bid for FIG 2018 Congress

Bidding document for FIG 2018 Congress by the Turkish Chamber of Survey and Cadastre Engineers in Istanbul, Turkey

Presentation by Turkish Chamber of Survey and Cadastre Engineers  
Video presentation  
Presentation on FIG Council's evaluation

The candidate was given not more than 10 minutes to make a presentation of their proposal and framework of the Congress and their bid. FIG Council will present its evaluation and the impact on FIG. Decision on the venue of FIG 2018 Congress will be made at the second session of the General Assembly on 21 June. FIG Council presented its evaluation of the bid.

**Motion:** That the General Assembly notes the submission, the summary report, the presentation and FIG's evaluation of the proposal, makes its careful consideration and decision during the second session of the General Assembly on 21 June.

**Decision:** The motion was adopted

### **FRIDAY 20 JUNE, 2014**

**Friday, 20 June, 16:30-19:00**  
**Tbc, Kuala Lumpur Convention Centre**  
**Presidents' Meeting**  
(by invitation only)

#### **22 FIG PRESIDENT'S MEETING**

A memo of the Presidents Meeting will be distributed later to all presidents.

### **SATURDAY 21 JUNE, 2014**

**Saturday, 21 June, 09:00–13:00 and 14:00-16:00**  
**Ballroom 1, Kuala Lumpur Convention Centre**  
**General Assembly, Second Session and Closing Ceremony**

#### **23 ROLL CALL**

Vice President Rudolf Staiger took the roll call. The roll call was done for member associations only. Delegates representing affiliate members, academic members, corporate members and correspondents as well as honorary presidents and honorary members will be entered in the records but they shall register before the meeting starts the staff of FIG Office. Since only member associations that have paid all their membership fees to the end of 2013 are allowed to vote at the meeting, a list of member associations that are not allowed to vote was published on the FIG web site **15 May 2014**. Members who paid their arrears at the General Assembly will also be allowed to vote.

#### **Appendix to items 2 & 23: Roll Call**

**Appendix to items 2 & 23:** List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2013

After the roll call, 58 members out of 101 members were present and 56 were allowed to vote with a total of 74 votes in accordance with the amendments to FIG Statutes Item 6.6.

**Motion:** Those members present are recorded in the minutes.

**Decision:** The motion was adopted.

## **24 MEMBERSHIP**

There were no new membership issue to bring before the General Assembly.

**Motion:** That the General Assembly notes that Council has no new membership issue to bring before the General Assembly.

**Decision:** The motion was adopted.

## **25 DECISION ON THE VENUE FOR 2017 FIG WORKING WEEK**

Candidates for FIG 2017 Congress have made their presentations in the first session of the General Assembly and FIG Council has presented its evaluation. The decision was made between:

- Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS) as partner in Helsinki;
- Nepal Institution of Chartered Surveyors (NICS) in Kathmandu,
- Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR) in Hanoi.

The decision took place by blind votes following the FIG statutes and internal rules. If there were no absolute majority in the first round of voting, a second vote will be organised between those two candidates that have most votes.

A total of 73 votes were cast and the results of the ballot was as follows -

- Candidate A (Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS) as partner in Helsinki): 50 votes
- Candidate B (Nepal Institution of Chartered Surveyors (NICS) in Kathmandu): 8 votes; and
- Candidate C (Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR) in Hanoi): 15 votes.

**Motion:** This General Assembly decides the host and venue for FIG 2017 Working Week.

**Decision:** General Assembly decided that the 2017 FIG Working Week would be co-organized together with the Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS) as partner in Helsinki.

## 26 DECISION ON THE VENUE FOR 2018 FIG CONGRESS

The sole candidate, Turkish Chamber of Survey and Cadastre Engineers, for hosting the FIG 2018 Congress in Istanbul, Turkey has made their presentation in the first session of the General Assembly. The General Assembly was to affirm the sole candidate by voting to host the FIG 2018 Congress in Istanbul, Turkey.

A total of 73 votes were cast and the result of the ballot was 72 votes in favour and 1 vote against.

**Motion:** That the General Assembly decides on the host and venue of FIG 2018 Congress

**Decision:** General Assembly decided that the 2018 FIG Congress would be co-organized with the Turkish Chamber of Survey and Cadastre Engineers in Istanbul, Turkey

## 27 APPOINTMENTS OF COMMISSION CHAIRS 2015-2018

According to the FIG Statutes and Internal Rules the General Assembly elected Commission Chairs Elect at its General Assembly in 2012 in Rome, Italy. These Chairs Elect will then become Chairs of the Commissions for the next term of office, 2015-2018. Thus the General Assembly shall appoint at this meeting Commission Chairs for the term of office 1.1.2015-31.12.2018. Their respective nominating member associations have reconfirmed all nominated Chairs 2015-2018.

Appendix: Nomination form from 2012 and reconfirmation by association:

Commission 1:	Mr. Brian J. Coutts, NZIS, New Zealand
Commission 2:	Ms. Liza Groenendijk, GIN, Netherlands
Commission 3:	Mr. Enrico Rispoli, CNGeGL, Italy
Commission 4:	Ms. Angela Kesiena Etuonovbe, NIS, Nigeria
Commission 5:	Prof. Volker Schwieger, DVW, Germany
Commission 6:	Dr. Ivo Milev, USLMB, Bulgaria
Commission 7:	Ms. Gerda Schennach, OVG, Austria
Commission 8:	Mr. Kwame Tenadu, GhIS, Ghana
Commission 9:	Prof. Liao Jinping (Patrick), CIREA, China PR
Commission 10:	Mr See Lian Ong, RICS, United Kingdom

Young Surveyors Network: Ms. Eva-Maria Unger, OVG, Austria

**Motion:** That General Assembly unanimously appoints for term of office 1.1.2015-31.12.2018 as follows:

Commission 1:	Mr. Brian J. Coutts, NZIS, New Zealand
Commission 2:	Ms. Liza Groenendijk, GIN, Netherlands
Commission 3:	Mr. Enrico Rispoli, CNGeGL, Italy
Commission 4:	Ms. Angela Kesiena Etuonovbe, NIS, Nigeria
Commission 5:	Prof. Volker Schwieger, DVW, Germany
Commission 6:	Dr. Ivo Milev, USLMB, Bulgaria
Commission 7:	Ms. Gerda Schennach, OVG, Austria

Commission 8: Mr. Kwame Tenadu, GhIS, Ghana  
Commission 9: Prof. Liao Jinping (Patrick), CIREA, China PR  
Commission 10: Mr See Lian Ong, RICS, United Kingdom  
Young Surveyors Network: Ms. Eva-Maria Unger, OVG, Austria

**Decision:** The motion was adopted

## **28 ELECTION OF TWO VICE PRESIDENTS FOR 2015-2018**

This General Assembly will elect two Vice Presidents for the term of office 1.1.2015-31.12.2018. The election took place between: Diane Dumashie, RICS, United Kingdom; Kate Fairlie, SSSI, Australia; John Hannah, NZIS, New Zealand; Mikael Lilje, Swedish Professionals for the Built Environment, Sweden; and Rudolf Staiger, DVW, Germany.

The elections took place at the second session of the General Assembly by blind votes one position at a time. If there was no absolute majority in the first round of voting, a second vote will be organised between those two candidates that have most votes.

74 votes were cast and the results of the ballot were as follows:

### **1<sup>st</sup> Vice President 1<sup>st</sup> vote:**

- Candidate A (Diane Dumashie): 19/74
- Candidate B (Kate Fairlie): 7/74
- Candidate C (John Hannah): 3/74
- Candidate D (Mikael Lilje): 15/74
- Candidate E (Rudolf Staiger): 30/74

### **1<sup>st</sup> Vice President 2<sup>nd</sup> vote:**

- Candidate 1 (Diane Dumashie): 28/74
- Candidate 2 (Rudolf Staiger): 46/74

### **2<sup>nd</sup> Vice President 1<sup>st</sup> vote:**

- Candidate 1 (Diane Dumashie): 37/74
- Candidate 2 (Kate Fairlie): 10/74
- Candidate 3 (John Hannah): 1/74
- Candidate 4 (Mikael Lilje): 24/74
- Invalid: 2/74

### **2<sup>nd</sup> Vice president 2<sup>nd</sup> vote:**

- Candidate A (Diane Dumashie): 39/74
- Candidate B (Mikael Lilje): 35/74

**Motion:** This General Assembly elects two Vice Presidents for the term 2015-2018.

**Decision:** The General Assembly elected Rudolf Staiger (DVW, Germany) and Diane Dumashie (RICS, United Kingdom) as Vice Presidents for FIG for the term 2015-2018.

## 29 ELECTION OF PRESIDENT 2015-2018

General Assembly to affirm the sole candidate, Ms Chryssy Potsiou, nominated by TCG, Greece by ballot. 74 votes were casted and the result was 62 votes in favour, 11 votes against and 1 invalid vote.

**Motion:** This General Assembly elects a president for the term 2015 – 2018.

**Decision:** The General Assembly elected Prof. Chryssy Potsiou as President for FIG for the term 2015-2018.

## 30 REPORTS FROM ASSOCIATION, AFFILIATE, ACADEMIC AND CORPORATE MEMBERS FORUM (IF ANY)

During the congress there was Member Association Forum, the Director General's/Affiliate Members Forum (in cooperation with UN-HABITAT/GLTN), Academic Members Forum (in cooperation with FAO) and Corporate Members Meeting. Brent Jones, ESRI, reported back to the General Assembly from the Corporate Members Meeting and FIG Commission 2 Chair-elect, Ms Liza Groenendijk provided a verbal report for the Academic Members Forum.

In addition, at the Joint FIG/UN-GGIM-AP Technical Sessions on Global Geodetic Reference Frame, a joint Statement was adopted. The UN-GGIM-AP/FIG Statement on Global Geodetic Reference Frame recognized the growing need for an accurate and stable Global Geodetic Reference Frame to support, *inter alia*, earth observation, including sea level and climate change monitoring, natural hazard and disaster management and a wide range of other activities in public and private sectors throughout the World, contributing towards inclusive social progress, environmental sustainability and economic development.

The Statement was adopted by the UN-GGIM-AP Executive Board at its meeting on 20<sup>th</sup> June during the XXV FIG Congress and urges -

- member states and their representatives within UN-GGIM-AP together with all member states and their representatives at the fourth session of the Committee of Experts on Global Geospatial Information Management, to support the approval of a draft resolution on Global Geodetic Reference Frame for Sustainable Development, and to submit to the 2013-14 session of the UN General Assembly for final adoption; and
- FIG member associations and all other membership groups of FIG, to take appropriate initiatives to inform and encourage the representatives of their respective countries to the fourth session of the Committee of Experts on Global Geospatial Information Management, to support the approval of the draft resolution on Global Geodetic Reference Frame for Sustainable Development and its submission to the UN General Assembly.

### Appendix:

- Report from Corporate Members Meeting - Presentation by Brent Jones
- UN-GGIM-AP/FIG Statement on Global Geodetic Reference Frame

**Motion:** That the General Assembly records the report presented and adopts the Statement on Global Geodetic Reference Frame.

**Decision:** The reports presented were recorded and the General Assembly adopted the UN-GGIM-AP/FIG Statement on Global Geodetic Reference Frame by acclamation.

### **31 REPORTS FROM COMMISSIONS, NETWORKS AND TASK FORCES (IF ANY)**

Commission Officers (ACCO), Commissions, Networks and Task forces had their annual and other administrative meetings in Kuala Lumpur. The incoming commission chairs reported back to the General Assembly on any issues that may need the endorsement of or are of general interest to the General Assembly.

Appendix: Reports from:

- Commission 3 – Presentation by Enrico Rispoli
- Commission 5 - Presentation by Prof. Volker Schwieger
- Commission 9 – Presentation by Prof. JinPing Liao
- Young Surveyors Network – Presentation by Eva-Maria Unger

**Motion:** That the General Assembly records the reports presented.

**Decision:** The General Assembly recorded the reports

### **32 REPORTS FROM PERMANENT INSTITUTIONS (IF ANY)**

The permanent institutions had various activities during the congress and may report back to the General Assembly on any matters of general interest. IIHSM reported back on its History Symposium that was held Friday 20 June as part of the Congress. IIHSM Director and FIG Honorary Member Jan de Graeve requested General Assembly's concurrence to support on-going effort to accord UNESCO recognition for William Light's Adelaide City Plan, the basis of the founding, development and growth of the city. He also handed over a copy of that plan to FIG.

**Motion:** That the General Assembly records the report presented and considers IIHSM's effort for UNESCO recognition for William Light's Adelaide City Plan.

**Decision:** The reports presented were recorded and the General Assembly supported IIHSM's request by acclamation

### **33 REPORT FROM FIG FOUNDATION (IF ANY)**

FIG Foundation board held their annual meeting during the Congress. The Foundation organized a special session on how to write a good grant application. FIG foundation had sponsored 8 young surveyors to the congress from various parts of the world. The candidates were selected from applications they had submitted. The participants were introduced to the General Assembly. Part of the support required each of them to present papers including on the future challenges for Young Surveyors at a special session.

**Motion:** That the General Assembly records the report including the 8 young surveyors sponsored by the Foundation

**Decision:** The motion was adopted and the General Assembly applauded the efforts of the FIG Foundation in encouraging and supporting young surveyors to be involved in FIG.

### **34 REPORT ON THE FIG WORKING WEEK 2016 IN CHRISTCHURCH, NEW ZEALAND**

President Jeffrey Needham of NZIS and Simon Ironside, Chair of the Local Organising Committee gave a presentation on preparations of FIG Working Week 2016 that included a video.

**Appendix:**

- Presentation by NZIS
- Video on 2016 FIG Working Week

**Motion:** That the General Assembly records the report.

**Decision:** The motion was adopted

### **35 REPORT ON THE FIG WORKING WEEK 2015 IN SOFIA, BULGARIA**

President Yanakiev Angel Krumov and Co-Conference Director Zlatan Zlatanov from the Chamber of Graduated Surveyors in Bulgaria gave a presentation on preparations of FIG Working Week 2015.

**Appendix:**

- Presentation by CGS, Bulgaria
- Video on 2015 FIG Working Week

**Motion:** That the General Assembly records the report.

**Decision:** The motion was adopted

### **36 OTHER MATTERS (WITH PRIOR NOTICE GIVEN TO COUNCIL)**

FIG Council had received a request to table matters that may be of general interest to the General Assembly.

Jean-Yves Pirlot and John Hohol, CLGE and NSPS submitted a request to discuss their joint proposal on an “International Day of the Surveyor”. John Hohol introduced the matter and informed that it was changed to “International Week of the Surveyor”. The hope is to make this a Week for surveyors globally. The request is for FIG member associations and/or regional structures within FIG to similarly adopt that week in March as the “Week of the Surveyor” and for FIG to work towards an “International Week (or Day) of the Surveyor”.

Appendix:  
Presentation on Global Surveyors Week

**Motion:** That the General Assembly records the report and considers the request made by CLGE and NSPS.

**Decision:** The report presented was recorded and the General Assembly supported the request that FIG do work towards an “International Week (or Day) of the Surveyor by acclamation.

### **37 PRESENTATION OF CERTIFICATES OF APPRECIATION**

The President acknowledged all involved in the preparation, organizing and delivery of the XXV FIG Congress including the 37th FIG General Assembly. Certificates of appreciation were handed out including to the Principal Supporters and the four Platinum Sponsors. AALSM President Mohammad Azmi and Co-Congress Director Hasan Jamil accepted certificates of appreciation on behalf of the LoC.

### **CLOSING CEREMONY**

The President presented his closing address that summarized the main outcomes of the XXV FIG Congress as well the four-year Council work plan. In his closing address, the President also announced that FIG has entered into a period of transition, from this current Council to the next, led by President-elect Chryssy Potsiou.

#### **Appendix:**

- Handouts of the President’s Closing Address.

At the closing ceremony the FIG banner was handed over by Mr. Mohammad Azmi Mohd Zin president of AALSM to Mr. Yanakiev Angel Krumov, President of the Chamber of Graduated Surveyors in Bulgaria and Co-Conference Director Zlatan Zlatanov. The FIG Working Week 2015 will be held in Sofia on 17-21 May 2015.

President CheeHai TEO adjourned the 37th FIG General Assembly at the XXV FIG Congress closing ceremony.

President CheeHai Teo  
FIG Office  
Kalvebod Brygge 31-33  
DK-1780 Copenhagen V  
Denmark

Nijkerk, November 4<sup>th</sup> 2014

Dear President CheeHai Teo,

On behalf of Geo-Information Netherlands (GIN), it is my great pleasure to nominate Christiaan Lemmen as an Honorary Member of FIG.

The federations' statutes define an Honorary Member as someone who has materially assisted the development and promotion of the surveying profession at an international level. I believe that Christiaan Lemmen has fulfilled this role admirably and professionally over a period of more than 20 years' involvement with FIG.

Since 2010, Christiaan has been the director of OICRF, a permanent Institution of FIG. In this task, he has built up an impressive digital Reference Centre for publications on Cadastre and Land Records, which holds more than 8000 documents and has more than 100 daily downloads of documents.

Also Christiaan has been the Chair of working group 7.1 of commission 7 (on pro poor land tools) for the last eight years. This has resulted in an impressive amount of publications, conferences, international events and an excellent profiling of FIG.

With his work on the Land Administration Domain Model (LADM) he has proven to be fully committed to the subject of Cadastre and land Administration. This work has resulted in a PhD Thesis on LADM and the certification of LADM as a world wide standard, known as ISO 19152.

Beyond FIG, Christiaan Lemmen received in the Netherlands the "Professor Tienstra prijs" of the Netherlands Commission of Geodesy (NCG) in 2012. His professional career at both Kadaster and ITC – TU Twente have brought him all over the world, providing advisory services on all continents with a special focus on pro poor land tool developments.

T 033 – 247 3415

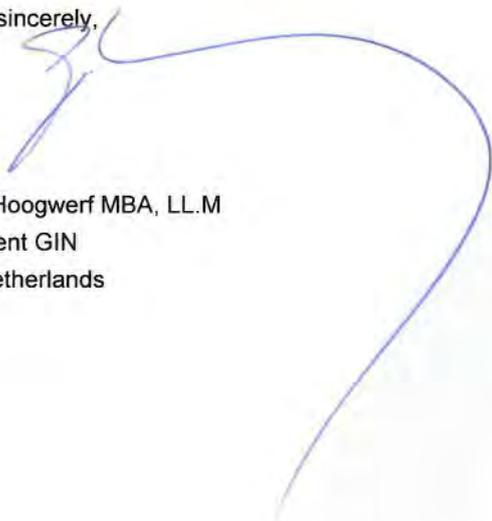
F 033 – 246 0470

E [info@geo-info.nl](mailto:info@geo-info.nl)

W [www.geo-info.nl](http://www.geo-info.nl)

GIN believes that Christiaan has significantly furthered the work of FIG and of geodesy internationally, and hopes that this nomination will be received favourably by the Council and General Assembly.

Yours sincerely,



Peter Hoogwerf MBA, LL.M  
President GIN  
The Netherlands



OFFICE INTERNATIONAL DU CADASTRE ET DU RÉGIME FONCIER  
INTERNATIONAL OFFICE OF CADASTRE AND LAND RECORDS  
INTERNATIONALES AMT FÜR KATASTER UND GRUNDBUCHWESEN

## OICRF Annual Report 2014

OICRF - the International Office for Cadastre and Land Records - is one of the permanent bodies of the International Federation of Surveyors (FIG). OICRF serves as a documentation and study centre for land administration and is charged with the following tasks:

- collecting and systematically filing and indexing all documentation material relating to existing cadastres and land registration systems,
- conducting comparative studies of this material and publishing the results,
- providing information and advice on all cadastres and land registration systems to all interested persons and institutions for the purposes of study or to help countries wishing to set up a cadastre or land registration system or improve an existing system, and:
- maintaining the documentation system on a daily basis.

## The digital Land Administration Library in 2014

OICRF maintains a digital library that contains 12.087 publications (December 31, 2014). The library has been further restructured and digitised in 2014. OICRF contents are available in different languages. At the moment there are 268 publications in Dutch, 557 publications in French, 552 publications in German, 64 publications in Italian, 22 publications in Russian, 269 publications in Spanish and 10.355 publications in English. All of the available documents and the most recent publications can be accessed electronically at [www.oicrf.org](http://www.oicrf.org). In 2014 the digital library got about 19.851 visitors. About 13.099 papers have been downloaded. This number is based on the application of Google Analytics; visits from search engines are excluded in this.

Initiatives started in relation to developments in keeping overview in different land rights worldwide. This will be discussed during the World Bank Conference on Land and Poverty 2015.

## Contact

OICRF does its utmost to provide the best possible service for anyone who requests information. This is made possible by the support of our host: Cadastre, Land Registry and Mapping Agency of the Netherlands.

Dr ir Christiaan Lemmen  
OICRF director

Ms Pauline van Elsland  
OICRF secretary

## OICRF Comparative Studies in 2014

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REPORT OF THE FIG INTERNATIONAL INSTITUTION FOR THE HISTORY  
OF SURVEYING & MEASUREMENT (IIHSM)  
2014-2015

Since the general Assembly of Kuala Lumpur, where John Brock presented a fascinating paper on the history of surveying in early China, we then had a one week congress in Australia on Norfolk island which is in the middle of the Pacific Ocean. It is a remarkable historic place as it houses the descendants of the mutineers of the Bounty. Half of the papers were presented by local historians and political representatives and half by surveyors and visitors with an interest in the historical aspects of surveying,. Congratulations are expressed to John and his partner for the very fine organization.

Alan Wright (1934-2013) whose death was noted in the last Report, has left a big hole in the organization with the loss of his presence in our working group. The IIHSM has been able to find a home for his vast collection of Electronic Distance Measuring (EDMs) devices which have been presented by both his family and Malcolm Draper to the Ghent University in Belgium. This should be of interest to the present and future generation of student surveyors and hopefully also attract visitors to the University Museum. Jim Smith, Alan and I had for many years looked for a proper place to house this important collection. A selection of the collection was on show to the public during the 2014 summer conference of the ICA History of Cartography Section at the university premises. In due course there will be a permanent display when the building works at the University are complete. It has joined the display of angle measuring instruments we saved when it introduced the studies of surveying at Ghent University some 15 years ago.

Last summer the Group met the Struve Arc committee to help progress the project to enhance the Struve Arc by incorporating Central European countries and thence over the Mediterranean Sea and down the Arc of the 30<sup>th</sup> meridian to South Africa. The full Cape to Cape arc (North Cape to Cape Province) was the original dream of Sir David Gill and Struve's son Otto. That meeting had been planned originally to be in the Ukraine but that had to be cancelled after Russian troops had invaded the country and annexed Crimea. Hence the re-scheduling of the meeting to Vilnius.

We continue to find and study documentation on the arc measurements and were pleased to find an original signed copy by Wilhelm Struve of his Report of 1867, dedicated to the Ambassador of Sweden Baron Wrede. The Struve arc is also being studied by other scholars: *The Struve Geodetic Arc: Pathway to Global recognition* has been published in both Russian and English by Vladimir Mkrtychan; and there could soon be a publication on Arc measurement in Spanish from scholars in Spain.

Further work continues on other possible publications on Arc measurements both internationally, historically and specifically in Africa. These would join the English translation of Struve's Reports on the Arc that bears his name that is now a World Heritage Monument. The IIHSM was instrumental in translating over 1000 pages!! from the French and publishing the two volumes several years ago.

We prepared the Sofia meeting and our History Group, which was created officially as IIHS&M in 1994, so in 2014 celebrated its 20<sup>th</sup> anniversary with the same Board, although unofficially created already in Sofia in 1983 under the Peevsky Presidency. Then it was

housed in Commission I and at that time we issued the first FIG publication of the definition of the Surveyor, der Vermessungsingenieur, le géomètre –Expert, in all three languages of FIG. We hope this will be reissued by this FIG Bureau.

With the loss of Alan Wright and other Board members getting older, we would welcome interested colleagues to come and join our team.

We wish the Bureau and our colleagues a very successful working week.

Jan De Graeve director IIHS&M

**Report to the 38th General Assembly  
FIG Working Week, Sofia, May 2015**

**FIG Foundation  
Report of Activities 2014**



**1. Administration**

The FIG Foundation is located in and administered by the FIG Office in Copenhagen.

A Board of Directors chaired by the President of the FIG Foundation makes the decisions of the Foundation.

The Board of Directors for 2014 was as follows:

- John Hohol, President of the FIG Foundation (USA)
- Prof. Michael Barry, Director (Canada)
- Prof. Steve Frank, Director (USA)
- Prof. Chryssy Potsiou, Director (Greece)
- Prof. Paul van der Molen, Director (Netherlands)

**2. Programmes with Corporate Members**

FIG Foundation Partners

- Charter Foundation Partner Trimble Navigation continues to support the FIG Foundation by sponsorship of the FIG Foundation Dinner since 2010 and providing other support directly through the Foundation.

**3. Meetings 2014**

The board held its official meeting in Kuala Lumpur, Malaysia during the 2014 Congress. Furthermore the board has been in frequent contact through email.

At the meeting Young Surveyors were represented by Chair Kate Fairlie and Chair Elect Eva-Maria Unger, who thanked FIG Foundation for the cooperation throughout the last years.

Eva Maria Unger informed that CNGeGL, the National Council of Italian Surveyors, has decided not to continue to offer the International Training Course on Topography for Young Surveyors. Everyone expressed gratitude to the Italians for having offered the course and agreed that it is very unfortunate that this great opportunity for young surveyors to meet and experience new knowledge is no longer available.

There was a discussion of the funding of the Young Surveyors Meetings, if it is permanent. It was agreed that the funding should not become permanent and should not exclude others of being supported.

At the meeting in Kuala Lumpur the board expressed sincere thanks to Keith Hofgartner representing FIG Platinum Corporate Member Trimble Navigation for generous continued support of the foundation including sponsorship of the FIG Foundation Dinner.

John Hohol informed that Trimble had had several requests from a school in Burkina Faso about funding of equipment. Trimble asked FIG Foundation to cosponsor a donation. To make sure that funding will help to improve the learning environment it was decided that Trimble is to deliver an analysis of the state of the art of the school.

#### **4. Grants 2014**

In 2012 the FIG Foundation decided on two initiatives: the first being FIG Foundation Academic Research Grants which will provide for research grants of up to 20,000 euros spread over two years; the second initiative is the FIG Foundation PhD Scholarships which will provide scholarships of up to 4,000 euros to PhD students. In 2013 it was decided to re-announce the grants. Deadline for sending application was extended to 31 March 2014 for the Academic Research Grants and 1 February 2014 for the PhD Scholarships.

No applications were received and it was decided to re-publish the call for grants. Deadline for applications for the FIG Foundation Academic Research Grant is 31 March 2015. For the FIG Foundation PhD Scholarship it was 1 February 2015.

At the same time it was discussed how to attract applicants. Michael Barry had sent a proposal to tightening up the conditions. The proposal was discussed and implemented for the 2015 applications. The updated conditions are published on the FIG website. The FIG Academic Research Grant: [http://www.fig.net/figfoundation/2015\\_research\\_grants.htm](http://www.fig.net/figfoundation/2015_research_grants.htm), the FIG Foundation PhD Scholarship is published on [http://www.fig.net/figfoundation/2015\\_phd\\_scholarship.htm](http://www.fig.net/figfoundation/2015_phd_scholarship.htm).

Further to attract applicants and to ensure the quality of the applications Michael Barry had a special session on “How to write an application” during the 2014 Congress in Kuala Lumpur.

In 2014 the FIG Foundation awarded eight **Young Surveyors Conference Fellowships** to provide funding for eight young surveyors from the six World regions plus two additional from developing countries to cover the costs to attend and participate in the FIG Congress in Kuala Lumpur. These were awarded to:

- Odil AKBAROV (Uzbekistan),
- Asmae AZZIOUI (Morocco),
- Chandan DAS (Nepal),
- Jonathan GUSTAFSON (USA)
- Odkhuu KHALZAN (Mongolia)
- Melissa ROBERT (Uruguay)
- Irena ROJKO (Slovenia)
- Emily TIDEY (New Zealand)

Irena Rojko, Asmae Azzioui, Odil Akbarov, Chandan Das and Melissa Robert also attended the FIG-UN-Habitat/GLTN Train the Trainers Workshop on Social Tenure Domain Model (STDM) that was held just prior the FIG Working Week.

**Simon Hull**, University of Cape Town, South Africa received a scholarship of 4000 EUR to conduct a research trip to the Netherlands and Germany during September and October 2014. The report is published at the FIG website [http://www.fig.net/news/news\\_2014/research\\_trip\\_2014.htm](http://www.fig.net/news/news_2014/research_trip_2014.htm).

**Jamal Browne**, The UWI St. Augustine, Trinidad And Tobago was supported with USD1000 (approx. 730 EUR) to support his participation at the World Bank Land & Poverty, March 2014 Conference. The report is published at the FIG website [http://www.fig.net/news/news\\_2014/wb\\_report\\_browne.htm](http://www.fig.net/news/news_2014/wb_report_browne.htm).

FIG Foundation also provided funding to support participation of the **FIG Young Surveyors Network by Eva-Maria Unger** to go to the World Bank Land & Poverty Conference, March 2014, in Washington, DC and the FIG Young Surveyors North American Meeting April 2014 in San Diego, California.

The **National Society of Professional Surveyors (NSPS)**, USA was supported with 2,500 USD to conduct the Young Surveyors meeting in North America. **CNGeGL**, Italy was supported with 2000 EUR to help Young Surveyors to attend the Commission 3 Workshop 4-7 November 2014 in Bologna, Italy.

The **2<sup>nd</sup> FIG Young Surveyors European Meeting in Berlin**, Germany was support with 5,000 EUR. Six Young Surveyors were granted a scholarship:

- Xhemail ISLAMI (Macedonia)
- Eftychia KALOGIANNI (Greece)
- Ferah Pirlanta KÖKSAL (Turkey)
- Jakov MAGANIĆ (Croatia)
- Milos PANDZIC (Serbia)
- Eva Maria Unger (Austria)

In total 2,405 EUR of the 5000 EUR was used. Thus 2,595 EUR is transferred to the Young Surveyors for 2015.

In total 39.940 EUR was spent in 2014.

**5. Donations in 2014**

<b>Kuala Lumpur, Malaysia:</b>	EUR
Voluntary donations	1,818.00
Foundation Dinner, registration fee and donation from Local Organisers	<u>38,264.00</u>
Total	40,082.00

**Interest**

Interest 2014 2,321

Income FIG Foundation 2013 42,403

**International voluntary donations at FIG Congress 2014, Kuala Lumpur, Malaysia:****Donations between 100-130 EUR**

Charles, Charlesye	Nigeria
Cheng, Bin Cheah	Malaysia
Ehiorobo Jacob, Odeh	Nigeria
Foster, Robert	United States
Hohol, John	United States
Mat Deris, Ismail	Malaysia
Schroth, Ralf	Germany

**Donations between 50-99 EUR**

Ab Wahab, Rosli	Malaysia
Brock, John	Australia
Curnow, Jim	Australia
Djaba, Stephen	Ghana
Hassan, Zulkifli	Malaysia
Hong, Yuen Ng	Malaysia
Jibril Ibrhim, Usman	Nigeria
Mohammed, ALEM	Algeria
Nwokoro, Vincent. Ezeani, Nwafor	Nigeria
Ofori Buadu, Jones	Ghana
Onsrud, Helge	Norway
Orimoloye, Tunde	Nigeria
Sinkner, Robert	Czech Republic
Talvitie, Juha	Finland
Van Der Molen, Paul	Netherlands

**Donations Between 1 – 49 EUR**

Akerele Rufus, Olugboyega	Nigeria
Cheong Heyan, Ong	Malaysia
Dabiri, Thomas	Nigeria
David, Taiwo	Nigeria
Davis, Dexter	Trinidad and Tobago
De Zeeuw, Kees	Netherlands
Gertrude Nnanjar, Njar	Nigeria
Hussain Mohamad, Husni	Malaysia
Kam Loong, Mok	Malaysia
Kaufmann, Juerg	Switzerland
Kopacik, Alojz	Slovakia (Slovak Republic)

Lemmen, Christiaan	Netherlands
Longchik, Azman	Malaysia
Marete, Julius	Kenya
Ming Kee, Chun	Malaysia
Mjoes Leiv, Bjarte	Norway
Newmarch, Peter	South Africa
Newnham, Leonie	Australia
Nilipovskiy, Vasily	Russian Federation
Oluwajuyitan, Adenike	Nigeria
Rudas, Gloriela	Panama
Smejkal, David	Czech Republic
Soni, Stella	Nigeria
Strande, Kari	Norway
Suárez Verdecia, Andrés	Cuba
Syed Abd.Rahman Syed, Mohammed	Malaysia
Tchuneva, Klara	Bulgaria
Tondu, John	Nigeria
Tosa, S.E Ninkov	Serbia
Wijayanti, Miim	Indonesia
Yanakiev, Alexander	Bulgaria
Yanakiev, Angel	Bulgaria

The list is sorted alphabetically.

## 6. Grants 2015

Having re-published the call for grants and extended deadlines the FIG Foundation Academic Research Grants and the FIG Foundation PhD Scholarships will be open for applications in 2015.

The FIG Foundation Academic Research Grants provide grant of up to 30,000 EUR spread over three years. The conditions are that applicants shall be based in a surveying/geomatics academic programme that teaches surveying in a country listed by the World Bank as a low-income, lower-middle or upper-middle income economy. Deadline 31 March 2015.

The FIG Foundation PhD Scholarships will be provided of up to 4,000 EUR to PhD students. Successful applicants will qualify for a further grant of up to 3,000 EUR to attend and present a peer reviewed paper at a FIG conference. Conditions are that applicants shall be studying for a PhD degree and registered solely in a surveying/geomatics academic programme that teaches surveying in a country listed by the World Bank as a low-income, lower-middle or upper-middle income economy. Deadline 1 February 2015.

It was furthermore decided that for the FIG Working 2015 in Sofia, Bulgaria there will be FIG Foundation grants to young surveyors of up to 5,000 EUR plus 2,595 EUR transferred from 2014, in total 7,595 + 5 EUR = 7,600 EUR. There are three options of application

- apply for funds from the FIG Foundation to help cover travel costs to Sofia to attend the 3rd FIG Young Surveyors European Meeting (10 funds available with an average value of 200 Euro)
- apply for funds to cover the registration fees of the 3rd FIG Young Surveyors European Meeting and the FIG Working Week Sofia, including the Foundation dinner and FIG gala dinner (6 funds available with an average value of 400 Euro)
- apply for funds to help cover accommodation costs and registration fees for the 3rd FIG Young Surveyors European Meeting and FIG Working Week, including the FIG Foundation dinner and FIG gala dinner (4 funds available with an average value of 800 Euro)

Deadline 25 March 2015.

## **7. Accounts 2014**

The income statement for 2014 and the balance sheet at 31 December 2014 are attached to this report.

The total income in 2014 was 42,403 EUR and expenses 39,940 EUR which gives the net result of 2,463 EUR.

The total assets are 231,840 EUR.

The FIG Foundation would like to sincerely thank all those who have generously donated in 2014 in support of the FIG Foundation.

The FIG Foundation would also like to sincerely thank Steven Frank and Chryssy Potsiou for their participation and support as members of the FIG Foundation Board of Directors 2011-2014. Also many thanks to Trimble Navigation/Keith Hofgartner for their generous contribution and support of the FIG Foundation.

**John Hohol**

President of the FIG Foundation

March 2015

Web page: [www.fig.net/figfoundation](http://www.fig.net/figfoundation)

## Income Statement for 1 January - 31 December 2014 for the FIG Foundation

	<u>2014</u>	<u>2013</u>
	<i>EURO</i>	<i>EURO</i>
<b>Donations</b>		
Personal donations.....	1.818	1.032
Other donations.....	11.092	7.272
FIG Conferences.....	27.172	25.000
Financial income.....	<u>2.321</u>	<u>1.863</u>
<b>Total Income</b>	<b>42.403</b>	<b>35.167</b>
 <b>Expenses</b>		
Grants.....	<u>(39.940)</u>	<u>(21.981)</u>
<b>Total Expenses</b>	<b>(39.940)</b>	<b>(21.981)</b>
 <b>Final Result (Deficit)</b>	 <u><b>2.463</b></u>	 <u><b>13.186</b></u>

## Balance Sheet at 31 December 2014 for The FIG Foundation

	<u>2014</u>	<u>2013</u>
	<i>EURO</i>	<i>EURO</i>
<b><u>Assets</u></b>		
<b>Current assets:</b>		
Receivables:		
Account receivable, FIG.....	225.117	222.758
Other receivables.....	1.156	1.156
Cash at hand and bankaccounts.....	5.567	5.463
<b>Total current assets</b>	<b>231.840</b>	<b>229.377</b>
<b>Total assets</b>	<b>231.840</b>	<b>229.377</b>
<b><u>Equity and liabilities</u></b>		
<b>Equity:</b>		
Equity at the beginning of the year.....	228.377	215.191
Retained earnings.....	2.463	13.186
<b>Total equity</b>	<b>230.840</b>	<b>228.377</b>
<b>Liabilities:</b>		
Other debt.....	1.000	1.000
<b>Total liabilities</b>	<b>1.000</b>	<b>1.000</b>
<b>Total equity and liabilities</b>	<b>231.840</b>	<b>229.377</b>

## **FIG COUNCIL WORK PLAN 2015-2018**

### ***“Ensuring the Rapid Response to Change***

### ***Ensuring the Surveyor of Tomorrow”***

#### **1. VISION**

The FIG vision is of a modern and sustainable surveying profession in support of society, environment and economy by providing innovative, reliable and best practice solutions to our rapidly changing and complex world, acting with integrity and confidence about the usefulness of *surveying*, and translating these words into action.

#### **2. INTRODUCTION**

FIG supports international collaboration among its members for the progress of surveying in all its fields and applications.

FIG, through dedicated leaderships and the long and systematic work of its members, has established a close cooperation with the UN, the WB and its sister associations and has been globally recognized as the leading international non-governmental organization on geospatial information and the management of land, the sea and the build environment.

For the 2015-2018 time period FIG council agreed on an overall theme for the next period of office:

*“Ensuring the Rapid Response to Change, Ensuring the Surveyor of Tomorrow”.*

Through the years almost every incoming administration of FIG has acknowledged “*change*” as a reality of our world. Now the changes we face are more than technological; they are global and they are fast. Change is inevitable; as professionals we cannot manage change, we can only manage the way we respond to change. What we traditionally do, as professionals, is to seek the relevance of our profession and to improve our efficiency to respond to change.

Since the steel tape, the logarithms, the theodolite, the introduction of triangulation and the least squares adjustment theory, the cadastral maps, the revolution of photogrammetry, the electronic distance measurement, the use of telurometer, up to the satellite images and the GNSS revolution, the GIS and spatial information management, the UAVs and mobile devices, and our leading role in modern cadastres and marine information systems, our increased involvement in land governance, especially in land administration, land management, land and property valuation and quantity surveying, FIG and “*the surveying profession*” has continuously changed aiming to better serve a spatially enabled society.

The difference today lies in the fact that “*timing*” is introduced as the crucial factor in our theme. We are living in an era of constant and rapid change: changing technology that challenges us to

maintain our proficiency; changing markets that challenge us to adapt to international processes and standards; changing societal needs that challenge us to adapt our governance policies and tools.

Today we have reached the stage where there is an increased UN and WB recognition of how reliable geospatial information helps governments and citizens to underpin decision making; Being “geospatial” is a global “transformation”. Geospatial information is recognized as the tool to address issues like:

- \* population growth and the need for food and water security and poverty eradication;
- \* the rapid urbanization of the world’s cities and the need to respond fast and smart in terms of housing, mobility and transport, city and building modeling, energy saving, health care, water and waste management, and governance in general;
- \* the tendency of development to cluster within the coastal zones of the oceans, the seas and the major river deltas and the need for rapid response to natural disasters and to manage the impact of climate change ;
- \* the interconnectivity in all areas of our economies, cultures, governmental operations and private lives and the need for harmonization, compatibility and security of procedures;

the so called “mega-trends”.

Our professional services and products are changing the perception of how governments seek growth. Good land administration, for example, has a direct effect on lending practices and national economies. Governments are seeking innovative ways to encourage universal parcels recordation as quickly as possible. Citizens also understand that innovation facilitates good decision-making for all people both in the public and private sectors. There is a fast growing civil demand and a changing culture for authoritative spatial information published on the web, a culture that changes the administrative concept. The question is how much change can governments afford? To satisfy such great demand the use of data derived from various providers may be supportive. Authoritative data can be provided and assured by government agencies but also by crowd sourcing and *the engagement of surveyors*.

Surveyors today are recognized for their provision of reliable geospatial data towards achieving the Millennium Development Goals (MDGs), enabling a real difference in people’s lives. As the MDGs are to be concluded by the end of 2015, it is the purpose of government to build on the generated momentum and carry on with an ambitious post-2015 sustainable development agenda.

FIG and its Member Associations, Academic Members, Affiliate Members, as well as Corporate Members, through the work provided by the Council, the Commissions, Task Forces, Networks, and the Permanent Institutions, are in a strong position to interact with politicians, individual surveyors and citizens at regional, national and local level and further contribute the expansion of this progress in most of the world’s countries. The post-2015 development agenda is expected to tackle many issues relevant to the surveying profession, including ending poverty and hunger, making cities more sustainable, combating climate change, protecting oceans and forests. FIG and its member surveyors are the specialists who contribute this change.

It is the role of surveyors to provide solution functionality, reliably, affordably for a complex and rapidly changing world that cannot wait. It is therefore urgent for the surveying profession to be customer oriented, to think ahead, to predict future changes, and to foresee the requirements of the next generation of the public and structure the way ahead. Therefore we must develop a prosperous

and sustainable profession which will translate the post 2015 sustainable development agenda into action and will direct benefits to member associations respective Nation States.

During the 2015-2018 time period FIG, its council and commissions, hand in hand with its member associations, affiliate members, academic members, and corporate members will strive to achieve the FIG Vision.

The key topics of the Council Work Plan include professional development, institutional development, capacity development, cooperation with global organizations and sister associations to respond to global needs.

### **3. PROMOTE AND ENHANCE THE ROLE OF FIG WITHIN THE GLOBAL, REGIONAL AND LOCAL ENVIRONMENT**

FIG will continue to provide a global forum for discussion and exchange of experiences and new professional developments between members and individual professionals in the broad areas of surveying and mapping, spatial information management, and the management of land and the built environment. This relates to FIG annual conferences, regional conferences, the FIG Networks, the work of the ten commissions (ACCO) within their working groups and commission seminars and the work of the Task Forces (TFs).

The council will ensure that this global forum offers opportunities for all aspects of the surveying profession, its various disciplines and the total range of its professional areas and professional standards.

The council will also ensure that the performance according to the agreed work plan will be monitored and supported by the responsible council members. The council will work closely with the FIG family to agree upon the deliverables and upon *key performance indicators* for monitoring the performance during the next 4 years and will report annually.

#### **3.1. Global Environment**

In order to further promote and enhance the role of FIG within the **global environment** actions will include:

##### **(a) organization of conferences and workshops**

FIG will continue to promote professional development through its commission activities, conferences, the Young Surveyors Network, and the Regional Capacity Development Network. The organization of commission activities and conferences is an important global FIG effort. The FIG motto “*Ensuring the Rapid Response to change, Ensuring the Surveyor of Tomorrow*” should be applied to these activities. According to the situation, e.g., response to economic change (economies in transition), or response to disaster management (natural disasters), professional achievements should be identified and promoted.

(b) response to the post 2015 sustainable development agenda

FIG will support promotion of the “*post 2015 sustainable development agenda*” in cooperation with UN agencies such as UNGGIM, FAO, UNHABITAT/GLTN, UNECE, UNEP, UNDP, UNOOSA, UNECA, UNRCC, ECOSOC, PCIDEA, the World Bank, and sister organizations; when appropriate new MoUs or extension of existing MoUs will be developed. FIG will coordinate with International professional organizations in surveying disciplines such as IAG, ICA, IHO, ISPRS, GSDI, ISM, IFHS, ICSU through the Joint Board of Spatial Information Societies.

More specifically, there is a mutual interest between FIG and

- FAO to continue to cooperate within the framework of implementing the VGGT through a close cooperation between FIG member associations, the FIG Commissions and the FIG Academic Forum;
- GLTN to continue cooperation on issues related to cost and financing of land administration services, valuation of unregistered land and properties, capacity building on STDM and other topics of interest;
- UNECE to continue cooperation and in-depth research on informal settlements formalization and upgrading, and other topics of interest.
- UN-GGIM to continue cooperation in Global Geospatial Information Management and in particular on the new item land administration and management to be tabled for discussion soon.

It is expected that raising awareness on the above global topics, within FIG, will enable FIG member associations to create more global surveyors.

### 3.2. Regional Environment

In order to further promote and enhance the role of FIG within **regional environments** actions will include:

(a) **joint activities, conferences, publications, Task Force activity, Network activity, etc.**

FIG will strengthen regional collaboration between FIG and other regional professional associations through joint activities, representation at conferences, workshops, establishment of Working Groups for joint research and publications on topics of major common interest, such as global/ regional cadastres, improving the property markets in certain regions, etc;

Within this concept FIG will continue promoting capacity building in the regions where most in need. A **Regional Capacity Development Network** is proposed to be established on this topic. This is the Task Force for Africa that the council has decided to transform into a Network and include other regions as well.

In addition, a **Task Force** is proposed to be established to generally *assess the progress of establishing the property markets in the countries with economies in transition* within the greater European continent. It is a common knowledge and experience that in most countries in transition privatization and property registrations projects have been implemented in order to support economic growth through the functioning of real estate markets. However, it is also understood that there are still regional weaknesses.

- (b) **encouraging delegates from various regions to be active in FIG;** by assigning tasks and responsibilities within the Work Plan and the commissions' plans to delegates from various regions, to increase their visibility and recognition by the FIG General Assembly. This will encourage the greater nomination of candidates for future elections.

### 3.3. Local Environment

In order to further promote and enhance the role of FIG within **local environments** actions will include:

- (a) promoting and enhancing the role of FIG through **initiating and enhancing a sustainable communication strategy** and support greater collaboration with member associations in order to strengthen their links with FIG in contributing solutions to 21<sup>st</sup> century challenges at national level and to engage surveyors in solving global issues; using social media channels to increase outreach.
- (b) **Clarifying and promoting FIG benefits** for the surveyor; addressing “change” and successfully communicate the associated benefits to FIG members; ensuring that member associations support their surveyors to understand the vision and strategy of FIG and to contribute to FIG activities. Increase membership direct involvement in FIG activities; enhancing the profile of surveyors locally; improving international networking among members; encouraging delegate appointment to the commissions activity; and sharing experience, knowledge and examples of good practice to **enhance capacity of and to support the changing role of the member associations;**
- (c) **increasing membership** in less represented regions (e.g., India, Caucasus area, Latin America, Asia); attention should be paid to the problems of members in paying their arrears.
- (d) capacity and institutional development through **guidelines and training** courses especially in regions most in need through the Regional capacity Development Network and the seeking to develop cooperation with sister associations, such as the cooperation with the GLTN.
- (e) Place specific focus on Young Surveyors.

## 4. ACCOMPLISH INTERNAL FIG STRUCTURAL IMPROVEMENTS

FIG will promote internal structural improvements in order to meet the need for a rapid response to change. Such improvements will include:

- (a) **empowering ACCO and Commissions.** The work of the commissions is the heart of FIG activity; the council will support this work by all available means. The council will ensure that the ACCO is an empowered and innovative forum for professional development and strategic enhancement of FIG activities.  
Some commissions have more active members than others and can achieve more; in addition there is an overlap in some of the commission topics of interest, which may require a better coordination. There is an interest in *assessing the efficiency of the Commissions structure* according to current professional trends in order to improve efficiency and facilitate more joint activity and also to assess their close collaboration with the Young Surveyors and to propose ways on how to improve the expected contribution and the

regular flow of experts from the YSs Network, the Capacity building Network and the Standards Network into the Commissions and their working groups.

For this purpose a **Task Force** is proposed to be established *to assess the Commissions and their operation, investigate if there is a need to revise their structure and provide a proposal on possible improvements*. Existing experience from large member associations which have recently proceeded into restructuring or improvements of the structure and operational models of similar schemes should be investigated.

- (b) **engaging the corporate members** and improving their participation within FIG.  
Corporate members of FIG are among the leaders in achieving significant advancements and innovative developments in software, services, hardware, and other applications within a modern and competitive environment. Their contribution to the profession and their experience is of great value to FIG. There is a need to enlarge the number of FIG corporate members, especially in an era when many FIG member associations and academic members are having financial difficulty to fully fulfil their membership fees.  
For this purpose a **Task Force** is proposed to be established *to strengthen the FIG relationship with corporate members* (investigate how to engage new corporate members in FIG, what the key topics would be, what is desired, what are the challenges, etc.)
- (c) promoting the collaboration with **academic members** and sharing experiences on the ways they address change in education; promote innovative scientific research of high level to enable a more focused collaboration. The FIG VP responsible for the Academic members forum is proposed to coordinate this activity. It is proposed that a **Task Force** will be established *to investigate the need and if justified, the steps forward in order to introduce an FIG peer review Journal (electronic or printed)*.
- (d) Checking the efficiency, elaborating and continuously updating the new **FIG website** with news from the current activity; checking the efficiency of our **communication channels**; The Office, the Council and Young Surveyors Network will assist in developing and improving communication through related **social media**.
- (e) strengthen the collaboration and efficiency of the **Forum of Mapping Agencies**; organize the Directors General Forum meetings and the selection of the topics of interest.
- (f) Ensuring the **financial sustainability of FIG and general finances**.  
The council will ensure the functioning and sustainability of the Office. The council will continue to allocate appropriate resources to the FIG office to enable it to respond to the requirements set out in the Work Plan. The council will also ensure that the services provided by the office reflect the resources available. The office should also be evaluated through the FIG VP responsible for FIG office administration and finances in cooperation with the president and the office members.  
Policies must be established for council and office staff travel assignments and expense allowances. Any unbudgeted expense increases should be offset by alternate sources of income. The council will formalize the budgeting process; the VP assigned to financial oversight will monitor the financial condition of the Federation and will prepare timely reports to the GA.

## **5. PROPOSED ROLES AND RESPONSIBILITIES FOR THE COUNCIL MEMBERS:**

### **President Chryssy Potsiou**

Provide the professional and strategic leadership. Take appropriate initiatives to ensure that FIG achieves its principal objectives. Supervise the implementation of the FIG statutes and the work plan objectives. Clarify and communicate the vision. Promote FIG to external agencies and ensure the cooperation with those (UNGGIM, FAO, UNHABITAT/GLTN, UNECE, UNEP, UNDP, UNOOSA, UNECA, UNRCC, ECOSOC, PCIDEA, the World Bank, etc). Recommend and ensure the appointment of Task Forces to undertake specific tasks which are not within the commissions Work Plans or to assist the work of the Council. Cooperate and supervise the work of the Task Forces, Networks and Permanent Institutions, and contribute specifically to the Task Force on Real Property Market. Communicate with FIG members. Submit a report to GA. Have the general responsibility and work closely with the Vice President responsible for the FIG Office and financial issues, and with the other Vice Presidents and their responsibilities.

### **VP Pengfei Cheng**

Responsible for the Young Surveyors Network, for the Academic Forum, for the FIG Foundation and for the Directors General Forum and ensure their good performance and report to the GA. Cooperate with the FIG Office, VP Rudolf Staiger and the Young Surveyors Network in developing and improving FIG communication through related social media. Co-operate with the Task Force for investigating the need for a peer reviewed journal and with the Task Force on Corporate members. Report to the GA. Cooperate with international sister associations in support of the President (UNGGIM, FAO, UNHABITAT/GLTN, UNECE, UNEP, UNDP, UNOOSA, UNECA, UNRCC, ECOSOC, PCIDEA, the World Bank, etc, and especially with Asian regional associations).

### **VP Diane Dumashie**

Responsible for ACCO and FIG Commissions. Co-Chair ACCO together with the ACCO rep. Help the commission chairs to develop their plans, support (with the support of the Office) that they understand and implement their tasks for the WVs and Congress, and that they deliver high quality technical programmes and liaise as required between commission chairs. Chair and coordinate of the FIG Regional Capacity Development Network and report to GA. Cooperate/attend the Task Force on Commissions and the Task Force on Corporate members. Cooperate with international sister associations in support of the President (UNGGIM, FAO, UNHABITAT/GLTN, UNECE, UNEP, UNDP, UNOOSA, UNECA, UNRCC, ECOSOC, PCIDEA, the World Bank, etc, specifically GLTN/UNHABITAT).

### **VP Bruno Razza**

Cooperate with the Young Surveyors Network (and FIG Commissions-if needed) on organizing focused workshops on capacity development. FIG ambassador to Regional and sister Professional Associations e.g., CLGE, EGoS, the Arab Union of Surveyors, Fédération des Géomètres

Francophones, FGF and the Mediterranean Union of Surveyors. Cooperate with international sister associations in support of the President (UNGGIM, FAO, UNHABITAT/GLTN, UNECE, UNEP, UNDP, UNOOSA, UNECA, UNRCC, ECOSOC, PCIDEA, the World Bank, etc).

**VP Rudolf Staiger**

Responsible to update the financial strategy and for its implementation according to the guidelines by the Council. Advice the FIG Office and the President on financial issues. Report to the GA. Develop a fundraising policy. Cooperate with the FIG Office, VP Pengfei Cheng and the Young Surveyors Network in developing and improving FIG communication through related social media. Communicate with member associations on membership matters. Cooperate with the President on various tasks as appropriate e.g., agreements with conference and WW organizers. Cooperate/attend the Task Force on Commissions and the Task Force on Corporate members. Cooperate with international sister associations in support of the President (UNGGIM, FAO, UNHABITAT/GLTN, UNECE, UNEP, UNDP, UNOOSA, UNECA, UNRCC, ECOSOC, PCIDEA, the World Bank, etc).

## **FIG Commission 1 – Professional Standards and Practice**

### **Work Plan 2015 - 2018**

#### **1. Title**

Professional Standards and Practice.

#### **2. Terms of Reference**

- Professional practice, legal aspects and organisational structures;
- Codes of ethics and applications;
- Changes to society and ways of working and the corresponding impacts on professional practice;
- Community perceptions and understanding about the surveying profession;
- Participation in FIG Standards Network.

#### **3. Mission Statement**

The mission of Commission 1 is to:

- build the capacity of professionals to adapt to changing circumstances. Changes are affecting the operation of surveying practices, their management and their professional structures under the challenges of widening professional activities and a changing world;
- create a community of practice to share knowledge about professional standards and practice challenges and responses by surveying professions;  
build links to regional and world structures for surveying professionals that focus on issues around professional standards and practice;
- support professional surveyors by providing tools and approaches to dealing with common practice issues;
- develop individuals as professional surveyors and provide opportunities for them to continue to develop as part of the surveying community.

#### **4. General**

Commission 1 will continue the work begun in the previous quadrennial period as well as exploring new issues. In particular, it will continue the work on international boundaries and take up the issue of the standardisation of ethical standards in the international context. The Commission will further raise the question of gender issues in surveying and investigate whether there is a need and/or demand for a Women in Surveying Network, along similar lines to the Young Surveyors Network. If it is proved to be so, then similarly, a new Network may be a “spin off” from the Commission.

In order to ensure a sustained and appropriate balance in the attendance Working Weeks and Congresses at and contributions to the work of the International Federation, a forum will be established where professional surveyors in private practice can discuss matters particular to their roles in the societies to which they provide their professional services. With the increasing mobility of professional practitioners and the continuing growth of the globalised community, a forum also will be established in which discussion can take place with respect to the mutual recognition of professional qualifications among the international surveying

community. This issue has been a topic previously, but the demands of a changing society suggests that it should be a topic of ongoing discussion.

The Commission will liaise with the Standards Network and the Young Surveyors Network as required in order to continue the work of those groups.

## **5. Working groups**

### **Working Group 1.1 - International Ethics Standards**

#### Policy issues

- To review the current FIG Ethical standards in the light of FIG being a member of the worldwide coalition being formed to develop International Standards in Ethics;
- To review the definitions of ethics in land, property and construction;
- To study ethics within the surveying profession and prepare proposals how to respond to the competition to market the profession as ethical for current & future generations;
- Surveying professionals practice in a variety of work environments increasingly internationally and are required to respond to constant changes ethically in how they deliver services. This creates challenges to them in how they practice and challenges on how to adapt to change. Identifying and sharing;
- new ethical ways of working from around the world will provide practical examples of ways others have successfully adapted and will build a set of case studies of change.

#### Chair Gary Strong (UK)

#### Specific project(s)

- To consider the current and future role of ethics in surveying;
- To review and revise the definition of ethics produced by FIG which will underpin and link to the International Standards being developed;
- Prepare proposals how to respond to the competition to market the profession as ethical for current & future generations;
- Participation on behalf of FIG as a Coalition member developing International Ethics Standards.

#### Workshop(s)

- Participation in FIG Working Weeks and other major FIG events with dedicated technical sessions and/or workshops as appropriate.

#### Publication(s)

- International Ethics Standards by coalition – FIG accredited;
- Revised FIG Ethics.

#### Timetable

- Final report at the FIG Working Week Sofia, Bulgaria 2016/17;
- Publication of International Ethics Standards 2016/17;
- Revised FIG Ethics 2018.

## **Working Group 1.2 Women in Surveying**

### Background

The WG plan for 2015 – 2018 is to continue the work of the Working group - Under represented groups in Surveying with a focus on gender issues. The proposal is to setup an international network of women in surveying to further investigate the issues and promote the participation of women in the surveying industry. Using the power of social networking and Internet communications the WG will endeavour to analyse the status of women in the surveying workforce across the FIG community. In Australia the SSSI Women in Spatial (WIS) group was created some years ago in an effort to raise the numbers of women in the spatial industry. This number was extremely low and remains low. Statistics have been gathered over the years to monitor the number of women in the Surveying and spatial industry in Australia and New Zealand. As we have heard during recent FIG working weeks presentations and workshops, the situation is similar across the international FIG community. The WG plans to apply the experiences gathered in the Australia and New Zealand studies to the international surveying community.

Co-Chairs Robyn McCutcheon and Winnie Shiu

### Policy issues

To reference the previous work focusing on women in surveying by the FIG underrepresented groups in surveying.

- To build an international group focusing on women's involvement in Surveying;
- To use social networking to build the WG and create effective communications amongst the group;
- To gather statistics on an international scale to illustrate women's involvement in surveying.

### Outputs

- To publish and present annual reports on the activities and findings of the WG during each FIG WW.

## **Working Group 1.3 International Boundary Settlement and Demarcation**

### Background

Working Group 1.3 will continue the work of Working Group 1.4 in the 2011-14 Work Plan, led by Haim Srebo and Bill Robertson, which led to the comprehensive FIG Publication 59: "International Boundary Making".

### Policy issues

- To deal with theoretical, methodological, legal aspects and analysis of practical cases in international and national boundaries;
- To investigate and report on the long-term definition, demarcation, maintenance, recovery & stability of international land and maritime boundaries;
- To liaise with FIG Commissions 4, 5 and 7 on matters of common interest.

Chair Don Grant

### Activity

Workshop in a dedicated technical session at the 2016 FIG Working Week in Christchurch, New Zealand.

### Publication

An FIG publication on the long-term definition, demarcation, maintenance, recovery & stability of international land and maritime boundaries.

### Timetable

Final report at the FIG Congress 2018

## **WG 1.4 Forum on Engagement of Private Practitioners**

### Policy Issues

Anecdotally there appears to be a decreasing number of private practitioners engaging with FIG. The emergence of large user group conferences (ESRI, Hexagon, Trimble, etc.) may affect attendance at FIG Working Weeks and Congresses, by private practitioners in particular, which in turn may make FIG less attractive to sponsors and exhibitors. FIG needs to attract a broad spectrum of professional surveyors as well as exhibitors and sponsors to be sustainable into the future.

Commission 1, being the Professional Standards and Practice commission, will address the needs of the private practitioner – what are the hot issues, what do they want from FIG, what is missing in FIG from a private practice point of view?

Convenor Malcolm McCoy

### Actions

- To test the hypothesis by collecting data on conference delegates - government, academic, private;
- To monitor numbers and percentage numbers over a number of conferences / working weeks – to ascertain if the private sector is under-represented in first world countries rather than emerging nations;
- To promote an active FIG private sector program attractive to practitioners;
- To review the mission of Commission 1 to ensure it is relevant to professional surveyors – particularly in the private sector.

### Goals

- To increase private sector involvement and make FIG an important part of professional surveyors life
- To constantly monitor Commission's Mission Statement and keep up to date and relevant in an ever changing world.

## **WG 1.5 Forum on Mutual Recognition**

### Policy Issues

A Task Force on the Mutual Recognition of Professional Qualifications was hosted by the FIG from 1998 – 2002 and resulted in FIG Publication No. 27 *Mutual Recognition of Professional Qualifications*. Since then there has been little formal reflection on the progress

made, in light of the European Community and other agreements, and there are further developments to be reviewed and supported, such as the ASEAN Mutual Recognition Framework Agreement on Surveying Services. Many barriers to the mutual recognition of surveying professionals remain, and new barriers are emerging.

This WG has the particular aim to review and revise the existing FIG Publication. Additional activities will include a review of the existing mutual recognition frameworks and agreements in place and the updating and promotion of the FIG Mutual Recognition webpage.

Convenor Kate Fairlie

#### Actions

- Workshop to coincide with the 2016 Working Week in Christchurch, New Zealand
- Update to FIG Mutual Recognition webpage

#### Publication

The former FIG Task Force on Mutual Recognition of Professional Qualifications published FIG Publication No. 27 *Mutual Recognition of Professional Qualifications* in 2002. This Working Group will look to revise and update this publication for 2018 with particular reference to new developments, new needs and current barriers to implementation.

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Chair, FIG Commission 1  
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## FIG Commission 2 – Professional Education

### Work Plan 2015 – 2018

#### 1. Title

Professional education

#### 2. Terms of Reference

- The domain of professional surveying education (vocational, higher and academic education, and continuing professional development)
- The role of professional education and its relation to the public sector, private sector and professional organizations.

#### 3. Mission statement<sup>1</sup>

Promote good practices in professional surveying education by:

- Exploring the needs of society and endorsing universities and other educational organizations to develop mechanisms and processes that will help to meet those needs.
- Supporting and promoting advances in survey education through identification of core surveying knowledge
- Promoting cooperative ventures in surveying education and research
- Supporting the building of capacity for surveying education in the developing world
- Reinforcing contacts to educational commissions of related professions

#### 4. General

FIG Commission 2 is the domain of professional surveying education. The traditional core areas for the commission are: 1) curriculum and core surveying body of knowledge, 2) teaching and learning methodology, 3) marketing and management of professional education and 4) accreditation and quality assurance.

During the last term Frank (2008, 2012) and Greenfeld (2010, 2012) centred on the understanding of the surveying core body of knowledge. Recent developments and discourse justify the broadening of the scope of FIG Commission 2 from surveying education to educating

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<sup>1</sup> <http://www.fig.net/commission2/index.htm> (assessed 15.01.2015)

the land professional (Enemark & Williamson, 2004; Enemark, 2008, 2009, 2010; Magel et al. 2009; Mitchel & Enemark, 2008).

Innovative learning and teaching has always received major attention in FIG and FIG Commission 2. This is reflected in the work of Enemark (2004, 2007, 2009; Enemark & Gallant, 2012) promoting innovative teaching and learning approaches in surveying education, in particular project- and problem-based learning. E-learning, open learning and knowledge management achieved major attention by Markus (2005, 2008, and 2010). The work on e-learning resulted in the most recent publication by FIG Commission 2: FIG Publication No. 46. Enhancing Surveying Education through e-Learning. Markus (2010) mentioned the following two challenges for FIG Commission 2 that are still highly relevant to consider: ubiquitous learning and open education. For the new term these will be embraced and further explored.

There has been a noticeable trend in recent years, particularly in English speaking countries, of a declining population of surveyors and the need to attract promising young surveyors into surveying (Frank, 2010). Various approaches and recruiting tools have been developed and shared during recent FIG Commission 2 events.

Developing educational and skills qualifications of surveying professionals and technicians is one of the other main concerns for FIG Commission 2. For some countries this is of more concern than others. In the United States ABET is used to allow standard recognition of educational surveying qualifications (Frank, 2007, 2009, 2010). In the United Kingdom, RICS has developed educational criteria that allow universities to assess the suitability of their curricula to the professional needs (Plimmer, 2003; Frank, 2010). With the rapidly changing surveying profession it is a continuous challenge to maintain a system of standardization. The former chair of FIG Commission 2 has worked intensively on defining educational surveying qualifications and in relation to the core surveying body of knowledge and learning and teaching methodologies (Frank, 2012).

For its new term, 2015 -2018, FIG Commission 2 will continue to build on the work carried out by the former commission chairs. FIG Commission 2 has developed for the term 2015 – 2018 the following focus areas. These will be discussed and worked out in concrete actions during the first Commission 2 meeting in 2015:

*Becoming an active Commission*

- Attracting more contributing members and strengthening the working groups
- Increase visibility and impact

*Professional education world-wide*

- Stimulate world-wide participation and exchange
- Special attention to professional education in the countries/member associations less represented at FIG events,

### *The chain of professional surveying education*

- Supporting the education continuum in surveying education: vocational education, higher education and academic education. Towards inclusion of polytechnics and vocational training institutions in the work of FIG Commission 2 activities

### *Towards educating the land professional*

- Preparing for new challenges in the surveying profession
- Bringing land administration and land management into the surveying education

One (or more) of the vision statements will be selected for an FIG Commission 2 publication.

In addition to the specific activities above, Commission 2 will support and contribute to FIG Task Forces, Permanent Institutions and Networks, in particular to the Young Surveyors Network, the OICRF and the FIG Foundation.

## **5. Working groups**

The work of FIG Commission 2 is organized in four working groups. Each of the working groups represents an area of focus in professional surveying education. During the four-year term of office workshops at least one Commission 2 workshop will be organized. Ideally, each planned event will focus on one or more themes from a working group.

### **Working group 2.1 – Towards educating the land professional**

#### Objectives

- To share good practices in surveying curricula and programs across educational institutions and across countries
- To suggest changes in curricula and propose new educational programs to respond to the changing nature of the surveying profession
- To discuss and describe core competences (knowledge, skills and attitudes) for the education of the land professional

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Dr.-Ing. Fahria Masum (Germany): [masum@landentwicklung-muenchen.de](mailto:masum@landentwicklung-muenchen.de)

#### Co-chairs

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#### Specific projects

The recent discussion in FIG Commission 1 on the definition of a surveyor (see the discussion on LinkedIn, FIG Commission 1) will guide the FIG Commission 2 and in particular Working Group 2.1 for its new term. The concept of the land professional, the land administration and/or land management professional and related curricula and core body of knowledge will a particular challenge for Working Group 2.1 during this term of office.

The working group will further be involved in developing initiatives to support professional education at other levels than the academic education, such as the level of polytechnics and vocational training institutions.

### Workshops

1. From 25 – 27 of November 2015 the Workshop “Strengthening Education for Land Professionals and Opportunities for SDI Development” will take place in Kathmandu, Nepal. The workshop will be organized by the Nepal Institution of Chartered Surveyors (NICS) and the Nepal Remote Sensing and Photogrammetric Society (NRSPS); jointly with ISPRS Working Group IV/4. Website: [www.workshopnepal2015.com.np](http://www.workshopnepal2015.com.np)
2. The intention is to organize a workshop on professional surveying education in Africa. The Eastern African Land Administration Network (ELAN) is interested to host such a workshop next to their annual meeting. Proposed time: 2016.
3. A combined international Commission 2/Commission 7 workshop on cadaster, land administration and land management education. The intention is to bring together the universities/institutions working in the land administration and land management domain. Relevant international bodies such as UN Habitat, GLTN, FAO and WB should be involved. Cooperation with ESRI, Thomson Reuters and other corporate members needs to be explored. The ITC – University of Twente will be the host organization. Proposed time: 2018

### Publications

- Technical papers at Working Weeks, Regional Conference and Commission 2 workshops.
- Workshop Proceedings
- FIG Publication: ‘A framework for land administration and land management professional education’ together with Commission 7.

### Time table

- Draft publications will be presented and discussed at the FIG Working Weeks
- Working group final report and publication will be presented at the dedicated session during the FIG Congress in 2018.

### Beneficiaries

- Higher education institutions, national associations, governments, international governing bodies, cadaster and land registration organizations; chartered surveyors, private surveyors and FIG Corporate Members.

## **Working Group 2.2 – Innovative learning and teaching**

### Objectives

- To exchange and promote good practices in teaching and learning methodologies in professional education of the surveying and land professional

- To make recommendations for learning methods and teaching formats under specific circumstances: distant learning, off-the-job-training, life-long learning and continuous professional education, and organizational learning.
- To promote ubiquitous learning and open learning approaches
- To promote organizational learning in FIG and its members
- To support the FIG in promoting innovative ways of organizing workshops, conferences and congresses.

#### Chair

Dr. Audrey Martin (Ireland): [audrey.martin@dit.ie](mailto:audrey.martin@dit.ie)

#### Specific projects

The new chair of this working group will continue to work on e-learning as an important aspect of innovative learning in surveying education. There is a tentatively plan for a workshop in Dublin for May/June 2016. The FIG Commission 2 Workshop could be linked to the annual DIT eLearning Summer School.

Strengthening knowledge management and organizational learning in FIG and its members will be a theme for this working group. The use of OICRF, Surveying Reference Library and Surveying Education database, as a knowledge and learning platform for FIG will be explored and further developed. This will be done together with the responsible members and the FIG Secretariat. The new FIG website is an important factor in this initiative.

FIG Commission 2 intends to support the FIG Council in designing dynamic technical sessions, use of innovative ways of reporting, organising challenging workshops and promote the online involvement and participation. This should be achieved by working together with Young Surveyors Network and the FIG Secretariat.

#### Workshop

- FIG Commission 2 Workshop in Dublin linked to the annual Dublin Institute of Technology eLearning Summer School. Proposed period: May/June 2016.

#### Publications

- Technical papers on e-learning and innovative approaches in teaching and learning during Working Weeks, Regional Conference and Commission 2 workshops.
- Workshop Proceedings
- FIG Learning Platform

#### Time table

- Special sessions during all FIG Working Weeks and Regional Conferences and during FIG Commission 2 Workshops and other relevant commission events to discuss the FIG Learning Platform
- Working group final report will be presented at the dedicated session during the FIG Congress in 2018.

### Beneficiaries

Higher education institutions, surveying professionals, Young Surveyors and potential surveyors, FIG Office and Secretariat and FIG Members; FIG Corporate Members; public in general (open access).

## **Working Group 2.3 –Demand for and supply of Professional Education**

### Objectives

- Promoting the interest by potential professionals in surveying education.
- Marketing of professional surveying education
- Increase opportunities to pursue surveying education all over the world.
- Explore how to strengthen the education continuum in surveying education: vocational education, higher education and academic education.
- Bridging the gap between the education sector and the labor market

### Chair

Dr. Nadezda Kamynina (Russia) ([kamyninan@gmail.com](mailto:kamyninan@gmail.com))

### Special projects

In the European Union programs are going on to stimulate, raise awareness and increase student enrolment in surveying education. There are programs addressing the relation between surveying education and the labour market. It is foreseen that in the new term working group 2.3 will pay attention to these European developments and experiences from programs such as: GeoSkills Plus (Leonardo program), the Tempus GE-UZ and the LLL GI-N2K among other initiatives.

The Young Surveyors within FIG have a strong interest and can contribute much to this working group. Some Young Surveyors will join this group for the new term.

### Workshop

Workshop to share European experiences in the GeoSkills Plus (Leonardo program), the Tempus GE-UZ, the LLL GI-N2K program and other European initiatives related to the demand and supply of surveying professionals and education. Workshop proposed for 2017; could be combined with the workshop in Dublin by Working Group 2.2.

### Publication(s)

- Technical papers at Working Weeks, Regional Conference and Commission 2 workshops.
- Workshop Proceedings
- Publication(s): Conditions and principles of marketing professional survey education.

### Time table

- Draft publications will be presented at FIG Working Weeks according to the timetable to be developed by the Working Group Chair.
- Working group final report will be presented at the dedicated session during the FIG Congress in 2018.

#### Beneficiaries

Individuals, potential surveyors, higher education institutions, vocational schools, society, labor market, public and private sector; FIG's corporate members; young surveyors and potential surveyors.

### **Working Group 2.4 - Accreditation and Quality Assurance**

#### Objectives

- To compare and support academic accreditation of surveying education programs
- To explore and support the mutual recognition of surveying education degrees

#### Chair

Prof. Alias Abdul Rahman ([alias.fksg@gmail.com](mailto:alias.fksg@gmail.com))

#### Special projects

The globalization of surveying education poses questions concerning the rigor of survey programs and the appropriate depth and breadth of topics within the various programs (Frank, 2010). The mutual recognition of surveying education degrees in the world will continue to be a main issue for FIG Commission 2 and in particular Working Group 2.4. Cross-border professional education and internationalization (accreditation, standards) are two other related themes.

#### Workshop(s)

To be decided

#### Time table

- Outcome of activities will be delivered according to the timetable to be developed by the Working Group Chair
- Working group final report will be presented at the dedicated session during the FIG Congress in 2018.

#### Beneficiaries

Higher education institutions, surveying professionals, licensed and chartered surveyors, employers and governments; national associations.

#### Publications

- Technical papers at Working Weeks, Regional Conference and Commission 2 workshops.

- Workshop Proceedings

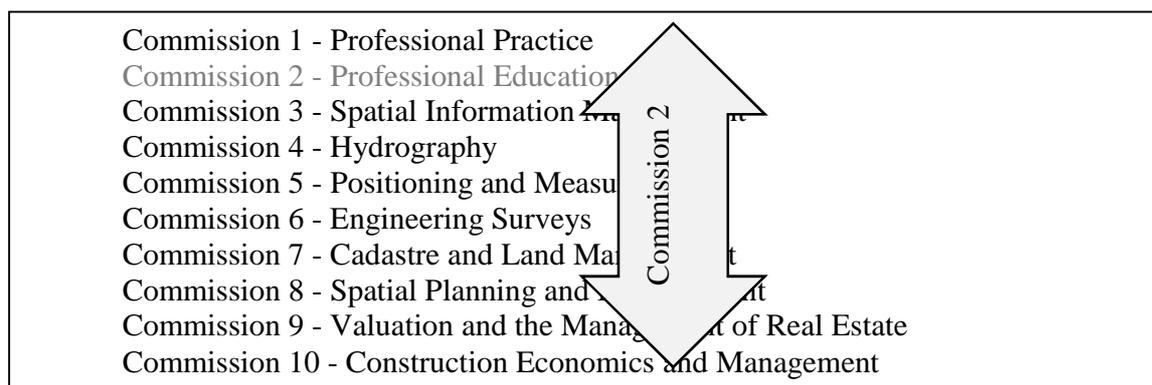
## 6. Academic Forum

The Academic Forum is the platform for FIG Academic Members. Traditionally Commission 2 has a leading role in the Academic Forum. During the FIG Congress 2014 in Kuala Lumpur the Forum discussed and prepared an initial statement on Academic responsibilities and the Voluntary Guidelines on the Responsible Governance of Tenure (VGGT).

For its new term, FIG Commission 2 wishes to continue to play an instrumental part in the Academic Forum and working with the Council to explore partnership with FAO and FIG Academic Partnership program.

## 7. Relation to other Commissions and Task Forces

By its nature FIG Commission 2, Professional Education, has a relation to all the other technical commissions as is illustrated in figure 1. However, with some commissions it has a stronger relation than with others.



*Figure 1. The position and function of FIG Commission 2 in relation to the other Commissions.*

Commission 2 works closely together with Commission 1 and in particular with Working Group 1.1 - Changing Nature of Work and the Role of a Surveyor.

Commission 2 has a close connection to Commission 7 Cadastre and Land Management. The changing nature of the surveyor or land professional is best illustrated by the trends and developments in cadaster and land management.

FIG Commission 2 has a role in supporting the Young Surveyors Network, some of FIG Task Forces like Africa Task Force and the OICRF (The International Office for Cadastre and Land Records) (OICRF).

Traditionally the chair of FIG Commission 2 is a member of the FIG Foundation.

## 8. Continuous Commission activities

- LinkedIn Group: <http://www.fig.net/commission2/index.htm>
- Newsletter
- FIG Surveying Education database: need for member to work on it!!
- Stimulate young surveyors involvement
- Improved communication and online involvement
- Engage with corporate members/associations/UN Bodies/WB/FAO
- Increase global reach and new membership.

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## **FIG Commission 3 – Spatial Information Management**

### **Work Plan 2015–2018**

#### **1. Title**

Spatial Information Management

#### **2. Terms of Reference**

- The use of Spatial Information Management (data, tools, procedures, regulations, standards);
- The support of Good governance (sustainable development, poverty reduction, social and economic growth, social security);
- Spatial data infrastructure;
- Research on the use of crowdsourced VGI data and derived information to geoscientific disciplines that make use of mapping, GIS, and Geo-SDI systems and procedures;
- The research of the methods for the sustainable development especially of mega cities and emerging countries with high index of development;
- The study and monitoring, as control of the fragility and vulnerability of the territory.

#### **3. Mission statement**

The mission of Commission 3 is to:

- Increase awareness about successful SIM approaches and achievements within the “e-Society” by showing good practice like availability, reliability, efficiency and accessibility of spatial information for better decision making and processes.
- Support the use of spatial information and SIM-tools by surveyors and by all participants in decision-making to serve the goals of good governance.
- Share good practice on managerial processes and infrastructure required for data handling, using information and distributing knowledge.
- Share good practice and develop high-level methods and techniques for merging and managing updated spatial information at various levels according to market requirements.
- Establish and maintain data - and data-quality-standards relevant to SIM, while cooperating with international spatial data standard committees.
- Encourage the use of spatial information within e-government and e-commerce.
- Cooperate and coordinate with the related United Nations Committees and other geospatial information societies and organizations active in the field based on request from the Council, they key focus will be in co-operation with ISPRS (Commission IV

on Geodatabases and Digital Mapping), ICA (commission on Geospatial Data Standards), GSDI, EUROGI.

#### 4. General

Most of the objectives, topics and scope of the previous term will be continued. Therefore the 3 previous working groups are confirmed in the new term and a new working group is established about crowdsourcing and VGI.

Commission 3 delegates have expressed their interest in continuing organizing Commission 3 annual meetings and workshops focused on the specific and identified current topics.

Commission 3 will continue to address the phenomena of rapid urbanization and its impact focusing on identifying new solutions for the survey of spatial data and general principles.

As new projects, Commission 3 will:

- address the phenomena of Crowdsourcing and Volunteered Geographic Information. This neogeography revolution has started to fundamentally transform how geographic data are acquired, maintained, analysed, visualized and consequently used. SDI as well as SIM can benefit greatly from the use and integration of this type of data, all of which with the focus of contributing to the surveyor role;
- follow the management of the environment, monitoring and supporting the legalization process and progress of land, property registration, planning reforms;
- assist good governance, efficient operations of property markets, affordable planning, affordable housing, and appropriate environmental management - by providing innovative and reliable land tools and spatial information solutions addressing to global challenges.
- address the research of the methods for the sustainable development especially of mega cities and emerging countries with high index of development (China, India, South America).
- address the research for the reuse of the built and the savings of the territory with the incentive of specialized crops;
- study and monitor (as control of the fragility and vulnerability of the territory, for the defense from natural phenomena and from the consequences of the human intervention dangerous for the wellbeing and for the goods of properties, and for the prevention of hydrological disasters that have interested in a strong way and with severe damages e many dead different parts of the world.
- participate in the organization of an International Summerschool for Young Surveyors following the model of the International Training Courses organized by Consiglio Nazionale Geometri e Geometri Laureati in the last years.

Summarizing, the topics of general interest of Commission 3 are:

- SIM Infrastructure;
- SDI and GSDI;
- 2D/3D/4D applications of SDI;
- Web services and metadata;
- SIM application for disaster monitoring and environmental prevention;
- Urbanization;
- Mega cities and emerging countries;

- Crowdsourcing and VGI;
- Low cost methods and tools for environmental monitoring;
- 3D cadaster.

## 5. Working Groups

### Working Group 3.1 – SIM Infrastructure

#### Policy Issues

SIM has the role of an integrator of components for a Spatial Information Infrastructure especially for urban areas within the information society. SIM is a facilitator for IT based services for planners, administration as well as for citizens.

#### Chair

Hartmut Müller (Germany), email: [hartmut.mueller@hs-mainz.de](mailto:hartmut.mueller@hs-mainz.de)

#### Specific topic(s)

- NSDI / GSDI: Spatial Data + Information Infrastructure.
- The “Open” trend: open source, open standards, open data.
- Volunteered and crowdsourced geospatial data and information.
- Integration of Volunteered Geographic Information VGI and geospatial authoritative government information.
- Semantic technologies.
- Public geo-participation and citizen empowerment.
- Share current experiences and technical visions of the future.
- Inform future decisions and implementations.
- Inform the big picture on drivers, trends and technologies.

#### Workshop(s)

Participations in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.

#### Beneficiaries

Surveyors, associations engaged with spatial data, local and regional municipalities and users of spatial data and spatial information.

### Working Group 3.2 – Technical aspects of SIM

#### Policy issues

The on-going development of tools, techniques and policies for spatial management of urban areas, in particular cities/megacities but also rural, forest and coastal areas leads to the need for collection, management and integration of various spatial data, such as: optical and SAR satellite and aerial images, images derived from various kinds of UAV, images derived from the Internet, orthophotos, point clouds derived from LiDAR and terrestrial laser scanners, global DTMs, etc. These data and the need for their management in real time or in a short time, in order to monitor growth and change across the urban environment and to forecast areas of risk, leads to the development of specific techniques for Big Data management. The on-going development of 3D and 4D spatial or city models, using photogrammetric or computer vision techniques, demands the development of interoperable formats and tools for the exchange of geometric and semantic 2D/3D data and information. The improvement and enrichment of data and spatial product quality control methods and techniques is an important issue as the variety of data collection sources and information management and integration procedures become wider.

### Chair

Ioannidis Charalabos (Greece), email: [cioannid@survey.ntua.gr](mailto:cioannid@survey.ntua.gr)

### Specific topic(s)

- Data collection, recording and updating,
- Low-cost methods and tools for environmental monitoring,
- Standardization of information and metadata,
- 3D and 4D spatial data recording and management,
- Visualization of information in 2D/3D/4D,
- Big data management,
- Integration and update of spatial data-bases, 3D GIS and BIM,
- Content and 2D/3D semantic modelling,
- Quality control.

These technical aspects will be dealt in relation to legal, social, economic, educational, and policy implications.

### Workshop(s)

Participations in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.

### Publication(s)

FIG-publication on “Management of big data” by the end of the 4-years period –to be published for the FIG Congress 2018.

### Timetable

Special sessions on Technical Aspects of SIM at the Annual Meetings of Commission 3 and FIG Working Weeks.

### Beneficiaries

Surveyors, private and public firms and associations engaged with spatial data, and users of spatial data and spatial information.

### **Working Group 3.3 – 3D Cadastre (Joint Working Group with Commission 7)**

#### Policy issues

The results of the previous term (2010-2014) of the working group provide a solid basis for the next 4-year phase of the working group. The concept of 3D Cadastres is here to stay and the number of implementations is increasing, quite often with ambition to become LADM (ISO 19152:2012) compliant.

In 3D, it is even more important to connect land administration to other registrations via SDI: buildings, tunnels, cables/pipelines, terrain elevation, etc. (physical and legal 3D objects should be aligned). The main objective of the working group is to establish an operational framework for 3D-Cadastres. The operational aspect addresses the following issues:

- A common understanding of the terms and issues involved.
- Concepts should be refined and agreed based on the ISO 19152 Land Administration Domain Model.

A description of issues that have to be considered (and to what level) before whatever form of 3D-cadastres can be implemented. These will provide 'best practices' for the legal, institutional and technical aspects.

#### Chair

Peter van Oosterom (The Netherlands), email: [P.J.M.vanOosterom@tudelft.nl](mailto:P.J.M.vanOosterom@tudelft.nl)

#### Special topic(s)

Topics to be dealt within the activity of the working group are:

- 3D-Cadastre: models, SDI and time
- 3D-Cadastre and the usability

Options for realization of a 3D cadastre model will include:

- Minimalistic 3D cadastre (no cables, pipelines etc.)
- Topographic 3D cadastre
- Polyhedral vs. Non-polyhedral Legal 3D cadastre
- Topological Legal 3D cadastre

Additional emphasis on the following topics:

1. Collect and exchange experiences of operational 3D Cadastral systems (law, organization, technology)
2. 3D Cadastre in mega-cities, often in Latin-America (Brazil, Mexico), Asia (China, Malaysia, Korea, Singapore) and Africa (Nigeria)

3. 3D Cadastre usability studies, web-dissemination and 3D cartography
4. 3D Cadastre as part the full life cycle of spatial development in 3D: spatial plan, zoning, register restrictions, design solutions, acquire space/land, request/provide permits, obtain financing, realize/develop, survey/ measure results, submit final RRRs/SUs, check/validate submitted RRRs/SUs, store/ analyse data, disseminate, visualize and use the 3D (cadastral) objects
5. Contribute to the upcoming revision of ISO19152:2017 or 2018 (LADM) by further developing the 3D aspects in this international standard; e.g. provide a more formal taxonomy of different types of 3D parcels (spatial units).

#### Workshop(s)

Participations in FIG Working Weeks with 3D Cadastre sessions and other major Commission events above all with Commission 7.

#### Publication(s)

Maintain the website and FIG publication on 3D-Cadastre

#### Timetable

- 2015-2018: Maintain website and interest-group [www.gdmc.nl/3DCadastres](http://www.gdmc.nl/3DCadastres) (inc. literature)
- 2015: Analyse and complete second questionnaire status 3D Cadastres 2014-2018
- 2015-2017: 3D Cadastres session at FIG working weeks
- 2016: Organize 5th workshop on 3D-Cadastres
- 2017-18: FIG-publication on 3D-Cadastres
- 2018: Conduct third questionnaire status 3D Cadastres 2018-2022
- 2018: Presentation of the results FIG-congress

#### Beneficiaries

Surveyors, land developers, national cadastral agencies, land registry administrations, local and regional municipalities.

### **Working Group 3.4 – Crowdsourcing and VGI supporting SDI**

#### Policy issues

As of 2010, 90% of the data that existed in the world were created within the previous two years, while personal location data has been singled out as one of the five primary 'big data' streams in the 2011 McKinsey report. By 2020, the volume of existing data will increase by fifty-fold, where a large percentage of this volume will be associated with geospatial data. The term Volunteered Geographic Information (VGI) encapsulates the idea of using the internet to create, share, visualize, and analyse geographic information and knowledge, envisioned via the use of numerous computing devices and platforms. This neogeography revolution has started to fundamentally transform how geographic data are acquired, maintained, analysed, visualized, and consequently – used. Thus, it has the potential to influence common practices, since it captures a broad knowledge of the environment we live

in, in all aspects of life, encompassing new services to take place, applications and processes to be developed – all of which are location based. Spatial Data Infrastructure (SDI), as well as Spatial Information Management (SIM) can benefit greatly from the use and integration of this type of data. The diversity of research disciplines that explore the potential of VGI – data and working methodologies - arguments its current usability relevance: ranging from transportation network analysis, to air pollution and air quality and to natural disaster decision-making systems.

VGI is becoming more and more a legitimate and reliable spatial, environmental and sustainable infrastructure on local, as well as on global scales, thus it encompasses vast geospatial potential that can contribute significantly, and is highly relevant to various geoscience research areas.

Consequently, it transforms and changes the surveyor's role, as well as the established working methodologies and protocols; new ideas, concepts and practices are to be developed and envisioned.

The emphasis of Working Group 4 will be on the investigation and identification of processes and protocols aimed at handling 'big geodata', crowdsourced and contributed by the public, on collection, processing, interpretation, administrative, and analysis levels, all of which with the focus of contributing to the surveyors role. Working Group 4 will search and learn new means and technologies on how to exploit and make use of crowdsourced VG data and derived information to geoscientific disciplines that make use of mapping, GIS, and Geo-SDI systems and procedures.

Since VG data is relatively easy to acquire, and consequently simple to access and make use of, Working Group 4 will aspire to motivate and work with scholars and professionals from developing countries, where it is believed that this working methodology can contribute utmost. Also, Working Group 4 will aim to have joined and mutual interests with other FIG Commissions, specifically Commission 2 (on Professional Education) and Commission 8 (on Spatial Planning and Development), where it is believed that this neogeography revolution can bring new ideas and

### Chair

Sagi Daylot (Israel), e-mail: [dalyot@technion.ac.il](mailto:dalyot@technion.ac.il)

### Specific topic(s)

- Utilization of VGI and crowdsourcing with SDI, SIM and environmental knowledge
- Working methodologies of VGI in developing countries
- VGI collection, dissemination, analysis, maintenance, and visualization
- Crowdsourced land management tools and innovative spatial information solutions addressing global and national challenges
- The significance of open source SDIs for managing authorities' services
- VGI interoperability standards, uncertainty, authenticity, validity
- Applications of VGI in managing the built environment, legalization monitoring, property registration, planning reforms
- Participatory mapping and citizens science – case studies and processes

### Workshops

Participations in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.

## **6. Co-operation with Other Commissions and organisations**

- Commission 2;
- Commission 7;
- Commission 8;
- Young Surveyors Network.

## **7. Co-operation with United Nation Organisations, Sister Associations and other Partners**

- FAO;
- UN-HABITAT;
- UNESCO;
- ISPRS Commission IV on Spatial Information Systems and Digital Mapping;
- ICA – International Cartographical Association;
- International Geographical Union, Commission on geographical Information Science;
- GSDI – Global Spatial Data Infrastructure Association.

## **8. Calendar of Events**

May 2015 – Sofia (in conjunction with FIG WW 2015);  
November 2015 – Malta (annual workshop in conjunction with Commission 7);  
April – June 2016 – Christchurch, New Zealand (in conjunction with FIG WW 2016);  
November 2016 – Hungary or Greece (annual workshop);  
May/June 2017 – Finland, Helsinki (in conjunction with FIG WW 2017);  
November 2017 – location TBD (annual workshop);  
April/May 2018 – Istanbul, Turkey (in conjunction with FIG Congress 2018);  
November 2018 – location TBD (annual workshop).

## **9. Workshops**

Commission 3 is planning to organize, in addition to its activity during the annual FIG Working Weeks or Congress, also four annual Workshops during the 2015-2018 term.

## **10. Commission Officers**

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December 2014

## Work Plan 2015-2018

### Commission 4

#### Commission Chair



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#### Terms of reference

- Hydrographic surveying
- Offshore surveying in support of energy, environment, submarine telecommunications, ports and harbours
- Hydrographic education, training and Continual Professional Development (CPD)
- Marine Environment & Coastal Zone Management (CZM)
- Data processing and management of hydrographic data
- Nautical charting and bathymetric maps - analogue and digital, includes ENC's (Electronic Navigational Charts)

#### Mission Statement

The mission of Commission 4 is to:

- Promote the aims and objectives of FIG to hydrographers through the active involvement of national delegates from member associations and other interested parties in the activities of the commission.
- Foster closer links with all sister organisations currently active within the global hydrographic community.
- Develop guidelines and standards that will assist hydrographers in the provision of their services.
- Disseminate information relevant to the profession through participation in international meetings, conferences and committees.

## **General**

Commission 4 strategy is focussed on (for example):

- The development of best practice guides in Hydrography.

Active support and participation in FIG regional events.

## **Working Group 4.1 - Standards and Guidelines for Hydrography**

### **Policy issues**

Assist in the development and recognition of standards of competency;  
Assist in the development of technical standards and guidelines;  
Cooperation with sister organizations and other appropriate bodies;

### **Chair**

**Peter Barr (Australia):** [pb.barmarine@bigpond.com](mailto:pb.barmarine@bigpond.com)

### **Specific project(s)**

Present and promote the use of standards and guidelines to the hydrographic surveying community, primarily IHO based  
Review Standards coming from alternate reputable sources for relevance to Hydrography.  
Assess the impact of international standards on current industry practice.  
Represent Commission 4 on the FIG Standards Network  
Promote recognition of professional pathways.  
Review IHO publication C13 (Manual on Hydrography) and other similar documents.

### **Workshops**

Participation in FIG Standards Network meetings and other major Commission events

### **Publication(s)**

FIG Working Weeks will include technical papers and/or reports to the FIG Standards Network on emerging standards, guidelines and specific issues.  
Ongoing contribution to the maintenance of the FIG Guide on Standardisation  
Timetable

Ongoing work will be reported at FIG Working Weeks during the term of this plan and according to a timetable to be developed by the Working Group Chair.  
Working group to present a draft report at the relevant FIG Congress.

## **Beneficiaries**

FIG Standards Network  
Sister organizations and relevant national and international GO and NGO's.  
FIG member associations, hydrographic surveyors in industry and government, academia  
All other relevant stakeholders.

## **Working Group 4.2 - Maritime and Marine Spatial Information Management**

### **Policy issues**

Assist in the development and promotion of marine and coastal spatial information management issues supported by hydrography and hydrographic data and information.  
Cooperation with sister organizations and other appropriate bodies.  
Cooperation with other FIG Commissions.

### **Chair**

*Jonathan Li, PhD, PEng, SMIEEE*  
*Professor of Geomatics*  
*Department of Geography & Environmental Management*  
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*<http://environment.uwaterloo.ca/research/rsgtl/>*

### **Specific project(s)**

Cooperate with, and represent the interests of FIG Commission 4 to, IMO in the development of an e-Navigation data framework (e.g., harmonization of data models among stakeholders).  
Cooperate with IHO on the continuing development and expansion of S-100 to support hydrographic- and hydrographic-related spatial information management.  
Cooperate with appropriate stakeholders (e.g., IHO-MSDIWG) on the development of concepts and principles that impact and are impacted upon by hydrography (e.g., MSDI, marine spatial planning and management, marine data models and applications, marine cadastre etc.).  
Present and promote the above concepts, principles and outcomes to the international surveying community.

## **Workshop(s)**

Participation in / contribution to:

FIG Working Weeks, regional conference with dedicated technical sessions and/or Workshops as appropriate;  
International hydrography-related workshops and events.

## **Publication(s)**

Possible publication(s) on MDSI, and marine spatial information management.

## **Timetable**

Working Group Chair will make reports at FIG Working Weeks (2011-2013).  
Working group to present a final report at FIG Congress, 2014.

## **Beneficiaries**

International maritime community;  
Sister organizations and other (national) agencies;  
FIG member associations, surveyors in industry and government, academe;  
Marine spatial information management community.

## **Working Group 4.3 – Blue Economy**

Chair: Gordon Johnston



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WG 4.3 The Blue Economy

Work Plan for “The Blue Economy” 2015 until 2018 is based upon the continued work of Commission 4. The Blue Economy can be a diverse and wide ranging topic but for FIG Comm 4 it shall be primarily in developing and promoting the need to manage our oceans and seas in a sustainable manner based upon good data, good environmental principles and good management practices. In this way the WG shall seek to promote and engage with IGO’s and other NGO’s to increase the understanding and awareness of the importance of the marine and ocean areas. High on the agenda will be to engage with UN-FAO and World Bank to determine how these organisations perceive the importance and benefits of managing the marine and ocean areas.

Comm 4 WG will participate in seminars, conferences and Technical Sessions at FIG events. In addition it is planned that additional joint events shall be organised to further the work and to generate a short publication within the work period.

### **Co-operation with Sister Associations**

#### ***FIG and IHO<sup>1</sup>***

Commission 4 currently represents FIG on the FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)<sup>2</sup> jointly with IHO and ICA. The commission will also support the IHO in its Capacity Building Initiatives with representation on the IHO Capacity Building Committee (CBC). Commission 4 will also support the IHO on any appropriate technical initiatives.

#### ***FIG and the International Federation of Hydrographic Societies (IFHS)<sup>3</sup>***

Commission 4 has begun to cooperate with the IFHS whereby the Federation has provided input into the 2006-2010 work plan and the commission will continue to lend its support towards sponsoring IFHS conferences and other initiatives. For example, the commission has provided financial support and resources for updating the IFHS special publication (SP-3) entitled Hydrographic Surveying as a Career. It is important for Commission 4 to maintain contact with all national Hydrographic Associations (whether members of the IFHS or not) to foster communications and cooperation for the betterment of the profession.

#### ***Notes:***

1. FIG and IHO cooperate under a Memorandum of Understanding (MOU) which was signed in Athens, May 2004. Our liaison is IHB Director, Hugo Gorziglia.
2. The role of the FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC) is to develop and up-date international standards of competence for Hydrographic surveyors and to review the academic programme of educational institutions that are seeking IHO accreditation of their Hydrographic training courses. The IBSC is composed of 4 representatives from FIG, 4 from IHO and 2 from the ICA. Our liaison officer with the IBSC is Gordon Johnston.

3. FIG and the International Federation of Hydrographic Societies (IFHS) cooperate under a MoU which was signed in Cairo, April 2005. The task has been mandated to Commission 4. FIG liaison with the IFHS is Simon Ironside.

FIG and the International Federation of Hydrographic Societies (IFHS) cooperate under a MoU which was signed in Cairo, April 2005. Our liaison with the IFHS is their President, Paul Hornsby.

### **Co-operation with the United Nations agencies**

Commission 4 will participate in co-operation with the United Nations agencies on topics that are related to commission expertise (e.g. marine cadastre, data framework for e-Navigation etc.) and on guidance by FIG Council.

### **Cooperation with other FIG Commissions**

Commission 4 will, for example, collaborate with Commission 5 to review and revise (where required) FIG Publication 37, Vertical Reference Surface for Hydrography. Commission 4 will also collaborate with other FIG Commissions as appropriate.

### **Representation to FIG Networks and Task Forces**

Commission 4 will appoint representatives to the following FIG initiatives:

- Standards Network
- Climate Change Task Force
- National and International Boundaries

### **Other Activities**

Commission 4 will maintain and develop the commission's web page, with linkages to other relevant home pages and new pages or other networks for special projects, to keep commission delegates, the Hydrographic community and the public involved in and informed about the work of the commission. Commission 4 will also contribute editorials, reports and articles to Hydrographic publications including but not restricted to the Hydrographic Journal, Hydro International, The Hydrographic Review, Sea Technology and Lighthouse. Commission 4 will publish a newsletter at least once a year.

### **Calendar of Events**

#### **2015**

Ocean Business 2015, 15-16 April, National Oceanography Centre, Southampton, UK.  
FIG Blue Economy seminar at Southampton 14<sup>th</sup> April.

U.S. Hydrographic Conference 2015, March 16-19 at Gaylord Hotel, national Harbour, Maryland, U.S.A.  
FIG Working Week, 17-21 May, 2015. Sofia, Bulgaria  
2nd International Symposium on Computer Vision in Remote Sensing, 26-28 April 2015, Xiamen, China.  
3rd International Summer School on Mobile Mapping Technology, 26-30 April 2015, Xiamen, China  
Special session on mobile scanning and imaging systems at IGARSS 2015, 26-31 July 2015, Milan, Italy.  
8th IHO-IAG Advisory Board on the Law of the Sea (ABLLOS) Conference in Monaco from 20 - 22 October, 2015  
Hydro 2015 international Conference Symposium at Cairns, Queensland, Australia from 03 - 07 November 2015. Theme: Harnessing the Blue Economy through  
Joint Event of the 5th International Conference on Earth Observation for Global Change (EOGC 2015) and the 7th International Conference on Geo-information Technologies for Natural Disaster Management (GiT4NDM 2015), December 6-8, 2015, United Arab Emirates University, Al-Ain, United Arab Emirates.  
9th International Symposium on Mobile Mapping Technology (MMT), December 10-12, 2015, Sydney, Australia.

## **2016**

FIG Working Week, 2-6 May, Christchurch, New Zealand  
Canadian Hydrographic conference, 2016

## **2017**

FIG Working Week, May/June Helsinki, Finland  
U.S. Hydrographic conference

## **2018**

FIG XXVI Congress, May/June, Istanbul, Turkey  
Canadian Hydrographic Conference.

## **Other Activities**

Commission 4 will maintain and develop the commission's web page, with linkages to other relevant home pages and new pages or other networks for special projects, to keep commission delegates, the Hydrographic community and the public involved in and informed about the work of the commission. Commission 4 will also contribute editorials, reports and articles to

Hydrographic publications including but not restricted to the Hydrographic Journal, Hydro International, The Hydrographic Review, Sea Technology and Lighthouse. Commission 4 will publish a newsletter at least once a year.

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## **FIG Commission 5 – Positioning and Measurement**

### **Work Plan 2015–2018**

#### **1. Title**

Positioning and Measurement

#### **2. Terms of Reference**

- The science of measurement (instrumentation, methodology and guidelines)
- The acquisition of accurate and reliable survey data related to the position, size and shape of natural and artificial features of the earth and its environment and including variation with time.

#### **3. Mission statement**

The mission of Commission 5 is to:

- Focus on modern technologies, and technical developments and assist individual surveyors, engineers and GIS/LIS professionals through guidelines and recommendations, to choose and utilise those methods, technologies and instruments that are most appropriate to different applications.
- Follow technical developments through collaboration with other FIG Commissions and other international organisations; participation in appropriate meetings; and the preparation of appropriate publications.
- Support research and development and stimulate new ideas in the fields of expertise represented within the commission.
- Collaborate with manufacturers on the improvement of instrumentation and associated software.
- Present and promote the work of the Commission and its working groups on an on-going basis at FIG Congresses, FIG Working Weeks, FIG Regional Conferences and other relevant technical meetings and in appropriate FIG and other media.

#### **4. General**

This work plan covers the development, use and integration of technologies for positioning and measurement and the associated standardisation, best practice and fundamental reference frame issues. Many of the issues are global in nature and Commission 5 along with many other Associations is well suited to tackle the technological challenges we face. There will be an ongoing cooperation with United Nations Agencies to address global problems such as sustainable development and humanitarian needs. The disciplines covered by Commission 5 will deliver solutions for the spatial aspects of these important global problems. Specific activities aimed at developing countries include examination of Low Cost Surveying Technologies, assistance with implementation of modern Geodetic Reference Frames

(including Vertical Reference Frames) and associated infrastructure and contribution to appropriate Continuing Professional Development programs.

In addition to the specific activities above, the Commission will support and contribute to FIG Task Forces and the Standards Network. The Commission will also respond to the FIG Council to address new issues as they emerge.

## **5. Working Groups**

### **Working Group 5.1 – Standards, Quality Assurance and Calibration**

#### Policy Issues

- Influence the development of standards affecting positioning and measurement instruments and methods, in collaboration with the FIG Standards Network and through participation in the relevant technical committees (TCs) of the International Standards Organisation (ISO) and other appropriate bodies.
- Acceptance controls, quality assurance and certification and their impact on the surveying profession.
- Testing and calibration of measuring instruments.
- Assist other Commission Working Groups to implement Standards from TC 172/SC 6 and ISO TC211 as appropriate.

#### Chair

David Martin (France), e-mail: [david.martin@esrf.fr](mailto:david.martin@esrf.fr)

#### Specific project(s)

- Guide for the expression of uncertainty in measurements (GUM) for surveying
- Connection to ISO TC211

#### Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated Technical Sessions and/or Workshops as appropriate.
- Special Session on ISO TC211 at a FIG Working Week.

#### Publication(s)

- A dedicated publication regarding the implementation of the “Guide for the expression of uncertainty in measurements” (GUM) for surveying

#### Timetable

- Draft publications will be presented at FIG Working Weeks during the term of this plan and according to a timetable to be developed by the Working Group Chairs.
- Working group final report and outcomes will be presented at dedicated session, FIG Congress, 2018.

#### Beneficiaries

FIG member associations, manufacturers and users of survey equipment, governments, standardisation organisations, decision makers, GIS developers and users, surveying businesses, individual surveyors

## **Working Group 5.2 – 3D Reference Frames**

### Policy issues

- Work to bring together all organisations involved in defining or using reference frames to develop common approaches and avoid duplication. Such organisations include FIG, the International Association of Geodesy (IAG), ISO, groups of national mapping agencies, other influential national agencies.
- Continue the existing co-operation with IAG on the Regional Reference Frame Projects such as AFREF, APREF, EUREF, NAREF, and SIRGAS.
- Consider options for the development and implementation of 4 dimensional datums that incorporate the effects plate tectonic and regional effects such as those due to earthquakes or local effects such as landslides.
- Provide background technical information on relevant issues written in a way that is accessible to the surveying practitioners.
- Examine how surveying practitioners can access the reference frame, through less emphasis on networks of ground monuments and more emphasis on Global Navigation Satellite Systems (GNSS) base stations.
- Provide information on the maintenance of CORS networks to ensure long-term stability

### Chair

Nic Donnelly (New Zealand), e-mail: [ndonnelly@linz.govt.nz](mailto:ndonnelly@linz.govt.nz)

### Specific project(s)

- Review of Reference Frames in Practise Manual,
- Connection to ISO-TC211: Geodetic Registry Network.

### Workshop(s)

- Continuing Seminars on Reference Frames in Practise, 3D and vertical frames
- Participation in FIG Working Weeks and other major Commission events with dedicated Technical Sessions.

### Publication(s)

- FIG Publication on ITRF
- Publication regarding national datums (different types)

### Timetable

- Draft publications will be presented at FIG Working Weeks during the term of this plan and according to a timetable to be developed by the Working Group Chairs.
- Working group final report and outcomes will be presented at dedicated session, FIG Congress, 2018.

## **Working Group 5.3 – Vertical Reference Frames**

### Policy issues

- Educate FIG member agencies on current and future status of regional and global vertical reference frames and height systems

- Educate FIG member agencies on practical aspects about the implementation of new geopotential datums including:
  - o access using geoid height models and a geometric datum
  - o redefining heights on existing bench marks to serve as secondary control
  - o ties between height systems and local and global mean sea level

#### Chair

Kevin Kelly (USA), e-mail: [kevin\\_kelly@esri.com](mailto:kevin_kelly@esri.com)

#### Co-Chair

Dan Roman (USA), e-mail: [dan.roman@noaa.gov](mailto:dan.roman@noaa.gov)

#### Specific project(s)

- Solicit members for WG
- Inventory/catalogue of height systems and vertical datums in use by countries and/or FIG member agencies
- Capture planned changes and timelines for the evolution of height systems in countries and by FIG member agencies

#### Workshop(s)

- Special Sessions regarding vertical reference systems at FIG Working Weeks, other major FIG events and at related conferences including Reference Frame in Practice Seminars.
- Splinter meetings to coordinate activities at national and international meetings including UN-GGIM, IAG (Commission2 and IGFS), and UNOOSA

#### Publication(s)

- Chart of definitions of vertical datums (including tidal datums), height systems and their relationships
- Review paper on principles vertical reference frames and height system unification
- FIG publication on “Vertical Reference Frames in Practice” covering practical aspects of and procedures for using vertical reference frames and height systems
- Develop a series of papers on practical aspects of implementing new national vertical datums consistent with global and regional height systems

#### Timetable

- Working group final report and outcomes will be presented at dedicated session, FIG Congress, 2018.

#### Beneficiaries

FIG member associations, government agencies, decision makers, GIS developers and users, surveying businesses, individual surveyors.

### **Working Group 5.4 – GNSS**

#### Policy issues

- Examine the positioning services using CORS and automated positioning software via WWW.
- Support and disseminate emerging positioning techniques using GNSS

- Research and dissemination regarding real time networks
- Multi-GNSS products and advancements
- Provide FIG input during planning and implementation phases associated with programs of modernisation and development of all GNSS

#### Chair

Neil D. Weston (USA), e-mail: [Neil.D.Weston@noaa.gov](mailto:Neil.D.Weston@noaa.gov)

#### Co-Chair

Suelynn Choy (Australia), e-mail: [suelynn.choy@rmit.edu.au](mailto:suelynn.choy@rmit.edu.au)

#### Specific project(s)

Research and Publications on “Precise Point Positioning, Network RTK, Processing Services, Low-Cost GNSS, Multi-GNSS”

#### Workshops

- Continuing Seminars on Reference Frames in Practise, 3D and vertical frames
- Special Session regarding these topics on FIG Working Weeks and Conferences.

#### Publications

- Publication on PPP - misconceptions, challenges and opportunities
- Publication on Multi-GNSS advances including best-practise examples

#### Timetable

- Draft publications will be presented at FIG Working Weeks during the term of this plan and according to a timetable to be developed by the Working Group Chairs.
- Working group final report and outcomes will be presented at dedicated session, FIG Congress, 2018.

#### Beneficiaries

FIG member associations, government agencies, decision makers, GIS developers and users, surveying businesses, individual surveyors.

### **Working Group 5.5 – Multi-Sensor-Systems**

(joint with IAG)

#### Policy issues

This group is a joint working group between FIG and IAG. It focuses on the development of shared resources that extend our understanding of the theory, tools and technologies applicable to the development of multi sensor systems. It has a major focus on;

- Performance characterization of positioning sensors and technologies that can play a role in augmenting core GNSS capabilities
- Theoretical and practical evaluation of current algorithms for measurement integration within multi sensor systems.
- The development of new measurement integration algorithms based around innovative modeling techniques in other research domains such as machine learning and genetic algorithms, spatial cognition etc.
- Establishing links between the outcomes of this WG and other IAG and FIG WGs (across the whole period)

- Generating formal parameters that describe the performance of current and emerging positioning technologies that can inform FIG and IAG members.

#### Chair

Allison Kealy (Australia), e-mail: [a.kealy@unimelb.edu.au](mailto:a.kealy@unimelb.edu.au)

#### Co-Chair

Guenther Retscher (Austria), e-mail: [Guenther.Retscher@geo.tuwien.ac.at](mailto:Guenther.Retscher@geo.tuwien.ac.at)

#### Specific project(s)

- International field experiments and workshops on a range of multi sensor systems and technologies.
- Evaluation of UAV capabilities and the increasing role of multi-sensor systems in UAV navigation.
- Investigate the role of vision based measurements in improving the navigation performance of multi sensor systems.
- Development of shared resources to encourage rapid research and advancements internationally.

#### Workshops

Special Sessions at Working Weeks and Supporting Special international conferences and symposia including: Mobile Mapping Symposium, ION GNSS, IGNSS Australia, IPIN, etc.

#### Publications

A number of papers will be submitted to relevant conferences and technical journals. A special journal edition of papers from the Mobile Mapping Symposium in 2015 will be supported.

#### Timetable

- Draft publications will be presented at FIG Working Weeks during the term of this plan and according to a timetable to be developed by the Working Group Chairs.
- Working group final report and outcomes will be presented at dedicated session, FIG Congress, 2018.

#### Beneficiaries

FIG member associations, academic and research institutions, spatial data acquisition specialists, third party developers of LBS requiring mobile location information, GIS developers and users, surveying businesses, individual surveyors.

### **Working Group 5.6 – Cost Effective Positioning**

#### Policy issues

- Educate FIG member associations and individual surveyors on when to use which surveying instrument or evaluation software taking into account economic reasons
- Design fit-for-purpose surveying systems that are cost-effective
- Support decision makers for establishing cost-effective positioning solutions

### Chair

Leonid A. Lipatnikov (Russia) e-mail: [l.lipatnikov@ssga.ru](mailto:l.lipatnikov@ssga.ru)

### Specific project(s)

Developing guidelines for cost-effective use and design of survey solutions including costs for labour and investment

### Workshops

FIG workshop with Commissions 3 and 7

### Publications

FIG Publication on cost effective surveying techniques

### Timetable

- Working group final report and outcomes will be presented at dedicated session, FIG Congress, 2018.

### Beneficiaries

FIG member associations, academic and research institutions, spatial data acquisition specialists, GIS developers and users, surveying businesses, individual surveyors mainly dedicated to developing countries.

## **6. Co-operation with Other Commissions and organisations**

- Commission 6 and ISPRS on Laser Scanning
- Commission 7 and 3 on Cost-Effective Positioning

## **7. Co-operation with United Nation Organisations, Sister Associations and other Partners**

- United Nations Office for Outer Space Affairs (UNOOSA) and ICG (International Committee on GNSS). FIG is co-chairing of the Task Force on Geodetic Reference Systems.
- UN GGIM is another field of cooperation between UN and FIG Commission 5.
- Strong Cooperation with International Association of Geodesy (IAG), with which FIG has a Memorandum of Understanding. Working group 5.5 is jointly organized with IAG.
- Good cooperation with International Society for Photogrammetry and Remote Sensing (ISPRS), the Permanent Committee on GIS Infrastructure Asia Pacific (PCGIAP) and the US based Institute of Navigation (ION).
- Contribution to International Standard Organizations, especially ISO.

## **8. Commission Officers**

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Volker Schwieger  
Chair, FIG Commission 5  
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March 2015

# FIG Commission 6 – Engineering Surveys

## Work Plan 2015–2018

### 1. Title

Engineering Surveys

### 2. Terms of Reference

- Real-time deformation monitoring, analysis and interpretation, measurement of time series, measuring and analyzing the load caused the stress and strain response of the engineering structures.
- Data acquisition, pre- and post-processing. Optimization and control of the data management during the life cycle of a project, final data integration, and its accuracy reliability for wide range processes of the structural engineering.
- Integration of classical, scanning and radar, epoch-wise comparing systems for the structural monitoring of civil and industry objects as also MLS and Airborne (including UAV) systems for control and monitoring of the strategic national and trans-border engineering infrastructures.
- Support the data acquisition and management with engineering products used for the BIM development.

### 3. Mission statement

- Implementation of innovative technologies and modernization of the engineering surveys processes of data acquisition, processing, interpretation and quality control but also the epoch by epoch data management and analysis of the engineering object condition changes as important part of the maintenance and emergency situation alert.
- Developing and implementation of calculation algorithms for optimization of the surveying data pre-and post-processing.
- Further development of the process of design, construction and exploitation of engineering objects.
- Support all development and multidisciplinary expertise leading to integrated survey methods, using various instruments (geodetic, geotechnic, fast motion) and sensors and combining geometry with all other data relevant to each engineering problem (as example BIMS).
- Engagement in the West and Central Asia region and acquisition of an interest for joining the FIG.
- Cooperation with the ISM (International Society for Mine Surveying).
- Organize regional FIG events, and participates on events organized by sister organizations.

## 4. General

This working plan covers the implementation, integration and data fusion of the results from the new measurement technologies with the traditional survey methods in order to reach higher reliability and quality of the final results, to ensure safety operation.

Commission 6 will consist of 5 Working Groups where one of them is joint working group with Commission 10.

Commission 6 is divided into working groups profiled in specific areas of the engineering survey, data acquisition and analysis. Their work can be used for the FIG contribution to respond to the structural monitoring, predicting of deformations of natural and artificial structures and to prevent disaster.

## 5. Working Groups

### Working Group 6.1 – Deformation Monitoring and Analysis

#### Policy Issues

Deformation studies in Engineering Surveying are based on a broad knowledge of suitable sensors and their potential, modern data storage and communication solutions and advanced processing and analysis methods. Additionally a thorough understanding of the behaviour of monitoring objects (large scale structure or landslide effected area), is essential to set-up and operate an optimum monitoring system. Nowadays deformation tasks are more and more oriented towards real-time systems, which require automation of data capture and new concepts in data processing, analysis and interpretation.

WG6.1's main goals will be to support specialists in deformation studies with state-of-the art solutions and provide latest developments and future oriented concepts:

- Support studies on the potential of existing and new sensors to determine geometric deformation quantities from surveying and adjacent fields (such as geotechnics).
- Support the development of concepts for automated data storage, data transfer and data pre-processing.
- Support the adaptation of numerical algorithms to derive relevant deformation quantities in real-time, including concepts from time series analysis.
- Support a multidisciplinary collaboration between surveying, structural and geotechnical engineers to understand the behaviour of structures and geotechnical objects.
- Study of most modern concepts for data analysis (e.g. artificial neural networks, fuzzy logics and generic algorithms).
- Initiate investigations to extend the range of deformation studies to higher frequencies, specifically in Structural Health Monitoring (study of oscillations and vibrations and their effects on critical structures).

#### Chair

Prof. Dr. Wolfgang Niemeier (Germany)

E-mail: [w.niemeier@tu-bs.de](mailto:w.niemeier@tu-bs.de)

#### Specific projects

- Prepare reports on State-of-the-Art for typical deformation tasks (e.g. dams, bridges, high buildings, landslides, rock-fall, etc).
- Comparison of data acquired with different modern automated deformation measurement systems.

- Optimization and modernization of calculation algorithms and processes.
- Comparison of concepts from artificial intelligence for deformation analysis.
- Case studies: e.g. application analysis concepts and tools for definition of typical data set of continuous observation.

#### Workshops/Symposia

- Every 2<sup>nd</sup> year

#### Publications

- Proceedings of the meetings

#### Beneficiaries

- Surveying professionals dealing with all aspects of deformation studies.
- Surveyors interested in high-level automated instrumentation.
- Geologists, structural, geotechnical and mining engineers concerned with deformation tasks.

#### **Outcome of the work**

Support to the specialists in deformation studies and providing information on state-of-the-art solutions and future oriented concepts.

### **Working Group 6.2 – Engineering surveys for design, constructive works and exploitation of buildings and communication infrastructure**

#### Policy Issues

- Initiate a multidisciplinary collaboration between survey engineers, civil engineers, structural and mechanical engineers.
- Creating an awareness of surveyors through a task force “Geotechnical sensors” as the trend today is going for an integration of those sensors in the geodetic deformation analysis.
- Support the design and usage of real-time deformation monitoring solutions and their systems for awareness during the constructive and exploitation period of an infrastructure object.
- Support the integration of adapted techniques and methods for the targets of the engineering surveying. Combination of the „Smart technology solutions“ with the objectives of the engineering surveying for optimization the processes of train and automobile control system, and traffic management.
- Interaction with the requirements of the common used CAD systems and final product delivery forms.

#### Chair

Joel van Cranenbroeck (Belgium)

E-mail: [cgeos2014@gmail.com](mailto:cgeos2014@gmail.com)

#### Specific projects

- Precise methods and equipment for staking out during construction and structural works.
- QC and documentation for „as build“ compared to „as designed“.
- Precise methods and equipment for engineering surveys for visualization and photo match.

- Precise methods and equipment for remote surveys.
- Dynamic Monitoring of Buildings and Structures during and after construction
- Offshore construction surveys.
- Integration of sensors for engineering survey.
- Rail and road tracks construction setting out, final survey and documentation.
- Standardization and reliability of the process for monitoring of railway and land transportation networks.
- Preservation of evidence.

#### Workshops

- One Workshop

#### Publications

- Proceedings of the working weeks and regional conferences

#### Beneficiaries

- Surveying profession becoming involved in this developing technology which will partly replace current network adjustment processes.
- Surveyors wanting to acquire information about geotechnical sensors as used in engineering structures such as dams.
- Engineers who has to decide about the best techniques to monitor civil engineering structures.
- Engineering surveyors and engineers involved with construction and setting out will benefit, as well as structural engineers, current buildings and future building designs.

#### **Outcome of the work**

Surveying profession becoming involved in developing new technologies, which will partly replace current state-of-the-art processes.

### **Working Group 6.3 – Sensor fusion, data acquisition and processing techniques for moving measuring complexes**

#### Policy Issues

The sensor integration and the combination of signals from a number of sensors.

- Developing of new processing algorithms, data filtering and optimization of calculation process.
- Understanding the principles and applying the multi-channel systems for areas with no permanent GNSS availability, for surface scanning and investigations.
- Increased understanding of the theory and practice of designed moving measuring complexes for real-time automatic analysis of determined physical features (structure pressure and temperature, settlements and etc.).

#### Chair

Under discussion

#### Specific projects

- Data modeling and engineering features extraction.
- Clearance Analysis for the railway and automotive transportation network.
- Limit checks.

- Monitoring of underground natural and artificial engineering structures.

#### Workshops

- Surrounding modelling and collision prevention for intelligent traffic systems, 2017

#### Publications

- Proceedings of the meetings

#### Beneficiaries

- Automotive industry
- Railway industry
- Forest industry
- Precision farming

#### **Outcome of the work**

Increased understanding and improved practical application of the theory of sensor fusion, data acquisition and processing techniques for moving measuring complexes.

### **Working Group 6.4 –Wide Area Engineering Surveys for Monitoring, Features Determination and Environmental Management**

#### Policy Issues

- Support the integration of MLS and Airborne systems (manned or unmanned) for the railway and road sectors for fast and precise surveying, monitoring and inventory documentation.
- Power lines infrastructure inspection and documentation.
- Support the geophysical, hydrographic and engineering surveys and data interpretation for stable wind power offshore facilities planning. This includes the position planning, cable route planning, interaction with the shipping, oil and gas industries, assurance for safety exploitation and protecting of the environmental heritage.
- Oil and gas pipelines, new clear power plants. Integration of fixed and moving sensor systems for continuous real-time monitoring and diagnostics.
- Support the LiDAR systems for the purposes of the waterways management, for surveying and estimating the corridor (natural and artificial one) width for the purposes of the infrastructure and water vehicles and floods damage preventing.
- TerraSarX time series and maps primary used for settlements control.
- UAV, Helicopters and Copters systems as effective and rapid data acquisition tools for the needs of the rail and road industry, for the mining surveying and data management.
- LiDAR systems for monitoring of water reservoirs and mine basins, for creating of bathymetric and topographic models.

#### Chair

Rémy Boudon (France)

E-mail: [remy.boudon@edf.fr](mailto:remy.boudon@edf.fr)

#### Specific projects

- Optimization and automation of the methods for features extraction.
- 3-D system applications and surveyed data integration in the GIS, in the damage control and early alert systems.

- Landslides control.

#### Workshops

- Yearly based symposia

#### Publications

- Proceedings of the meetings

#### Beneficiaries

- Railway and automotive industry
- Electric-, gas- and oil companies
- Telecommunication companies
- Disaster management

#### **Outcome of the work**

Support the integration of MLS and Airborne systems (manned or unmanned) for concerned industry sectors, as well as UAV, Helikopters, Copters systems as effective and rapid data acquisition tools for fast and precise surveying, monitoring.

#### **Working Group 6.5 – Impact of the Engineering Surveying for BIM modeling (joint working group with Commission 10)**

#### Policy Issues

- Support BIM development with engineering surveying products for various areas of application of the structural engineering.
- Support the construction management process and interacts directly with the construction engineers and architects.
- Support the GIS development, infrastructure objects maintenance, buildings evacuation planning and etc.

#### Chair

Under discussion

Assoc.Prof.Dr.Muzaffer Kahveci (Turkey)

#### Specific projects

- Based on Commission 10 plans.

#### Workshops

#### Publications

- Proceedings of the meetings

#### Beneficiaries

- Constructor engineers and management
- Building service engineers
- GIS
- Financial bodies

## **6. Co-operation with Other Commissions and organizations**

- Joint Working Group with **Commission 10 – Construction Economics and Management (Commission in lead is10)**

## **7. Co-operation with other partners**

- Cooperation with the ISM (International Society For Mine Surveying)

## **8. Commission Officers**

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January 2015

## **FIG Commission 7 – Cadastre and Land Management**

### **Work Plan 2015–2018**

#### **1. Title**

Cadastre and Land Management

#### **2. Terms of Reference**

Commission 7 deals with all issues of land rights and land administration, as well from a service provider as from a user and citizen perspective. A special focus is given to cadastre and land management infrastructures as being fundamental for sustainable development.

Key topics of Commission 7 activities are:

- land tenure in diversity of cultures and society
- cadastre and land registration
- legislation / governance / e-governance / reforming cadastre
- security of land tenure, data and information / access to information for citizens
- public trust in land administration systems / fraud prevention
- Fit-For-Purpose and pro-poor land administration / low cost models
- new technologies for remote and in-situ data acquisition on land rights / social media and third party data capture / crowdsourcing / role of land owners
- land use and land policy
- valuation and taxation of land / land markets
- land consolidation and land readjustment for rural and urban areas
- multi-dimensional and multi-temporal cadastre
- impact of climate change and disasters on land rights
- standards in land administration
- capacity building in land administration

#### **3. Mission statement**

The Mission of Commission 7 is:

- to provide a global forum for enhancing and exchanging knowledge about cadastre, land administration and land management
- to encourage the development of pro-poor land management and land administration tools
- to promote the importance of sustainable land administration infrastructures as being essential for sustainable development and economic growth
- to underpin the use of innovative and advanced technology in cadastre and land administration;
- to raise awareness of the role of surveyors in land administration matters to the public and among stakeholders.

## 4. General

Commission 7 builds upon a long term expertise from national delegates, experts and partners with different professional background. Based on results from previous years, Commission 7 will continue to provide assistance and knowledge for the implementation of the overall FIG strategy as far as related to cadastre and land management.

There is a focus on

- providing visions for future cadastre and land management
- taking the role as a mastermind in developing effective land management
- thinking about new models of land administration for sustainable development
- initiating professional discussions on new business models as required by a changing society
- securing land tenure and advocating citizens' rights

but at the same time, Commission 7 aims at staying pragmatic about what is feasible in a surrounding of cultural and social diversity and how commitment among stakeholders can be created for the benefit of the society and for the reputation of the profession in providing sustainability and advocacy to citizens, land owners and stakeholders.

The Commission work is assigned to 4 Working Groups who will address the objectives of this Work Plan by various activities, such as

- contributing to FIG Conferences, FIG Working Weeks, workshops and seminars
- presenting papers in national, regional and international conferences
- reporting findings from FIG Commission 7 Annual Meetings
- organising platforms and discussion forums for communication
- producing reports and publications in cooperation with other interest groups
- preparing documentation of activities and results
- co-operating with other FIG Commissions and Task Forces and Networks
- organising annual meetings in various regions of the world
- co-operating with relevant regional and international organisations from outside FIG including UN, World Bank, NGOs, NPOs, CSOs, professional associations and networks such as GLTN
- encouraging national delegates and representatives from all FIG member associations to participate in the Commission 7 work and to disseminate information to national associations and professionals
- encouraging representatives from professional associations who are not yet members of FIG to participate in Commission 7 activities

## 5. Working Groups

### Working Group 7.1 – Fit-For-Purpose Land Administration

#### Policy Issues

- identify role of Fit-For-Purpose Land Administration in relation to sustainable land use, food security, climate change etc. in the post-2015 Development Agenda
- implementing the 'Continuum of Land Rights' and the STDM into operation at country level including innovative methodologies for fast and low cost recording of

land rights and appropriate land rights for future housing, including proposals for innovative land rights (new models of leasehold, tenure of public land etc.)

- identify the value of land consolidation and land readjustment for rural and urban areas in poverty prevention programmes
- develop the second edition of the Land Administration Domain Model with ISO on behalf of FIG by integrating partners from local-national, regional and international organisations, NGOs, NPOs, insurances, re-insurances, bank companies, bar associations
- promoting the development of innovative hard- and software solutions for land administration
- identify the needs for further development, quality improvement and system optimisation after Fit-For-Purpose Land Administration is implemented

#### Chair

Dr. Ir. Christiaan Lemmen, The Netherlands, email: [Chrit.Lemmen@kadaster.nl](mailto:Chrit.Lemmen@kadaster.nl)

#### Specific project(s)

Working Group 7.1 aims at generating answers to the globally growing demands on land governance, the Continuum of Land Rights and on responsible tenure by continuing its work on developments of STDM, LADM and Fit-For-Purpose in cooperation with partners from UN FAO and UN Habitat/GTLN and others for the goals of the post-2015 Development Agenda. Cooperation on the implementation of Voluntary Guidelines with UN FAO will continue. Further activities will focus on providing appropriate models including innovative land rights and tools for improving global coverage of evidence. Aspects of land consolidation and readjustment of land will be investigated in cooperation with FIG Commission 8. Trainings will be developed in cooperation with the YSN.

#### Workshop(s)

- presentation of results and findings in international and national workshops, conferences and particularly in events of the global community (UN FAO, UN Habitat, UN GGIM, World Bank)
- initiating panel discussions with experts from in- and outside the profession in high-level conferences
- international FIG Commission 7 Workshop (planned for 2017 or 2018) on Fit-For-Purpose Land Administration
- international FIG Commission 7 Workshop on LADM/STDM with UN FAO and UN Habitat/GLTN and in cooperation with FIG Standards Network, Joint WG on 3D Cadastre, YSN and INTERLIS Switzerland (proposed for 2016 in Portugal)
- training courses at national and regional level for stakeholders, trainers and land owners together with YSN

#### Publication(s)

- second edition of LADM in cooperation with ISO
- special issue of Land Use Policy on LADM in a high impact Scientific Journal
- study on STDM strategy for increasing global acquisition of land tenure information
- Proceedings of an international FIG Commission 7 Workshop
- papers about land tenure in scientific magazines and newsletters

### Timetable

- special issue of Land Use Policy in 2015
- analysis of approaches for bringing the 'Continuum of Land Rights' into operation at FIG Working Week 2016
- progress of work and draft publications will be presented at FIG Working Weeks during the term of this Work Plan
- organising special sessions in FIG events as well as in other specific events throughout the term of this Work Plan
- edition II of ISO 19152 LADM until 2018
- Guidelines STDM for presentation in FIG Congress 2018

### Beneficiaries

International and regional NGOs and NPOs (UN FAO, UN Habitat, UN GGIM, World Bank), national and regional governments, decision-makers, FIG member associations, producers of handheld tools, software and service providers, global society, citizens.

## **Working Group 7.2 – Land Management in Climate Change and Pre- and Post-Disaster Areas**

### Policy issues

- assessment of land tenure in post-disaster areas
- pre-disaster assessment / documentation of land tenure
- legal/institutional/technical Fit-For-Purpose methods to secure land rights in pre- and post-disaster areas
- impact of climate change on land tenure / loss of land, land use changes
- compensation for value changes, consolidation of agricultural land, adjustment of urban land in post disaster regions
- new technologies for data capture in pre-disaster areas / validation of third party data
- cooperation models with public authorities / voluntary guidelines in conflicts
- capacity building in disaster response bodies
- spatial data infrastructures for pre-, during and post-disaster response (link to FIG Commission 3)

### Co-Chairs

Daniel Páez (PhD), Colombia, email: [dpaez@uniandes.edu.co](mailto:dpaez@uniandes.edu.co)

n.n.

### Specific project(s)

Working Group 7.2 aims at building upon results of cooperation with UN FAO and at establishing links to the networks of professionals from land administration institutes and organisations and from international and national bodies who are in charge of disaster management in order to raise awareness about the need of appropriate documentation of land rights in disaster situation and to facilitate cooperation with the relevant institutions in terms of securing rights of land owners in areas of high risks (e.a. with SIDS Small Islands Developing States and others).

Climate change entails long-term impacts on land and land tenure which may affect citizens significantly in their economic situation. Working Group 7.2 will analyse about long-term strategies for compensating impacts on land owners.

WG 7.2 is also interested in supporting the development of better land information systems that reduce risk, optimise resources during response activities and help reconstruction efforts after a disaster has occurred. In this, it is proposed to incorporate new data collection technologies, such as by drones, as a core element of better land management for disaster response.

#### Workshop(s)

- participation in regional and international workshops / conferences
- contact with global community (UN), NGOs and NPOs
- international FIG Workshop of Commission 7 on Security of Land Rights in PP disaster areas in 2017 (proposed venue – Bogota/Colombia)
- presentation of results and findings in international and national workshops, conferences and particularly in events of the global community (UN FAO, UN Habitat, World Bank)
- Working Group members meetings during main FIG events (Congress, WW, Commission 7 Annual Meetings)
- web-seminars on key topics and projects

#### Publication(s)

- Proceedings of international Workshop on Security of Land Rights in PP disaster areas
- Guidelines for pre- and post-disaster management of land rights
- Whitepaper on the use of new technologies for spatial data collection for disaster prevention and management
- analysis of climate change impacts on land management
- Guidelines for spatial data infrastructures (SDI) development and sharing for disaster management
- papers in scientific magazines and newsletters

#### Timetable

- consultation draft of the Whitepaper on new technologies will be presented in Commission 7 Annual Meeting 2015
- intermediate results of assessment study about impact of climate change and disasters on land tenure will be presented in FIG Working Week 2016
- analysis of approaches for pre- and post-disaster management in land administration will be prepared for FIG Working Week 2017 along with a first draft of the Guidelines for SDI in disaster management
- final assessment about impact of climate change and disasters on land tenure will be prepared for FIG Congress 2018
- progress of work and draft publications will be presented at FIG Working Weeks during the term of this Work Plan
- organising special sessions in FIG events as well as in other specific events throughout the term of this Work Plan
- Final Report and Guidelines on PP disaster management on land rights and SDI Guidelines will be presented in FIG Congress 2018

### Beneficiaries

International and regional NGOs and NPOs, disaster response and disaster risk management bodies, governments, citizens, FIG member associations, GIS developers and users, producers of survey equipment and software providers, insurances and re-insurances.

## **Working Group 7.3 – Crowdsourcing of Land Rights**

### Policy issues

- family of mobile devices supporting remote and in-situ capture of evidence of land rights
- global platforms managing evidence of land rights and obligations
- service delivery models
- scalability and capacity building of trusted intermediaries and land owners
- role of social media / validation of third party data
- impact on perception of security of tenure
- managing unintended consequences and privacy
- cooperation with public authorities in recognition or conversion of informal rights
- link to Working Group 7.1 Fit-For-Purpose Land Administration
- impact on land professionals and associate curriculum

### Chair

Dr Robin McLaren, United Kingdom, email: [robin.mclaren@KnowEdge.com](mailto:robin.mclaren@KnowEdge.com)

### Specific project(s)

Working Group 7.3 aims at establishing permanent links to interest groups and partners from outside FIG for providing a forum for linking technology, society and established stakeholders in order to develop a sustainable, citizen centric structure of services.

The statement on role of land professionals will be drafted in cooperation with Commission 1 of FIG.

### Workshop(s)

- participation in workshops / conferences
- international joint FIG Commission 3 and Commission 7 Seminar 2015 (proposed venue - Malta/Europe)
- conference in 2016 (proposed venue - Portugal/Europe)

### Publication(s)

- review and analysis of approaches for crowdsourcing of land rights, identifying pros and cons to regulated procedures
- Guidelines in managing unintended consequences and privacy
- Guidelines in migrating informal land rights to formal land rights
- statement on role of land professionals in the context of democratisation of land rights
- papers in scientific magazines and newsletters

### Timetable

- review and analysis of approaches will be presented latest at FIG Working Week 2017
- statement on role of land professionals will be prepared for FIG Congress 2018
- progress of work and draft publications will be presented at FIG Working Weeks during the term of this Work Plan
- organising special sessions in FIG events as well as in other specific events throughout the term of this Work Plan
- Final Report and Guidelines will be presented in FIG Congress 2018

### Beneficiaries

Citizens, FIG member associations, international and regional NGOs and NPOs, CSOs, governments, decision makers, GIS developers and users, producers of survey equipment and software providers.

## **Working Group 7.4 – Citizen Cadastre**

### Policy issues

- land tenure and culture and society needs
- multi-dimensional and multi-temporal cadastre
- security of land tenure
- alternative forms of land tenure in changing society (generation property, affordable land, temporary urban and agricultural land tenure) complementary to WG 7.1
- role of land owner as key stakeholder
- privacy issues / access to data for citizens
- responsibilities of public authorities / cooperation models / fraud prevention
- analysis of trust in different land administration models
- assessment models for performance of land administration systems
- training of land owners / capacity building in institutional bodies
- building codes and IPMS
- standards for data in land administration
- representation in Joint WG on 3D Cadastre of Commission 3 and 7

### Chair

Gyula Iván (M.Sc.), Hungary, email: [ivan.gyula@fomi.hu](mailto:ivan.gyula@fomi.hu)

### Specific project(s)

Working Group 7.4 aims at investigating about quality criteria and benefits of involvement of stakeholders in all kind of land administration processes as well as about strengths and weaknesses of established land administration systems in a changing environment and from changing society requirements.

The role of the UN FAO Voluntary Guidelines and criteria to assess the performance of systems in order to optimise trust of citizens and land owners into systems will be a topic of interest on the agenda.

The recently launched web-service for maintenance of the Cadastral Template as a publicly accessible tool for information about Land Administration systems will be evaluated and maintained in a joint effort with the Cadastral Template 2.0 project.

### Workshops

- presentation of results and findings in international, regional and national workshops, conferences
- participation in and co-organising of 3D Cadastre Workshops
- international FIG Commission 7 Workshop on Role of Land Owner as key Stakeholder
- panel discussions with experts from in- and outside the profession in FIG Conferences and other events
- joint Workshop on professional education in land administration with FIG Commission 2 and YSN (tbd, proposed for 2017)

### Publications

- analysis of specific requirements related to culture and society needs
- implementing VG into models
- study about use of international standards
- FIG Publication on professional education for land administration in cooperation with FIG Commission 2 and YSN

### Timetable

- statement on role of land owner will be prepared for FIG Working Week 2016
- assessment of performance of land administration systems will be presented at FIG Working Week 2017
- Proceedings of FIG Commission 7 Workshop will be published not later than 6 months after the event
- organising special sessions in FIG events as well as in other specific events throughout the term of this Work Plan
- progress of work and draft publications will be presented at FIG Working Weeks during the term of this Work Plan
- study about alternative forms of land tenure will be prepared for FIG Working Week 2017 in cooperation with WG 7.1
- Final report and results will be presented in FIG Congress 2018

### Beneficiaries

Land owners, citizens, FIG member associations, governments, decision makers, real estate companies, economy.

## **6. Cooperation with Other Commissions and organisations**

Commission 7 will continue with cooperation and establish new links where relevant to other Commissions of FIG, in particular with Commission 1 on aspects of land administration and state boundaries, with Commission 2 on capacity building and professional education, with Commission 3 on 3D Cadastre and on aspects of Big Data and Crowdsourcing in SDI, with Commission 9 on the role of cadastre for taxation and valuation and with Commission 10 on registration of buildings and condominium rights.

Cooperation on topics of joint interest will be supported by

- co-organizing and participating in FIG seminars and workshops (joint Workshop with Commission 3 in autumn 2015 in Malta/Europe, joint Workshop with Commission 2 on professional education in Land Administration, date tbd).
- cooperation with Commission 1 Working Group “International Boundaries Settlement and Demarcation”
- cooperation with Commission 2 on organizing a joint Workshop and preparing a FIG Publication on Professional Education in Land Administration
- cooperation with Commission 8 on land adjustment and land consolidation (WG 8.1/WG 7.2)
- participating actively in international events organized from partners of FIG and from related professional organisations
- co-organizing technical sessions and discussion forums on specific topics of interest thus linking with topics of interests of other Commissions within FIG
- co-operating on a regular basis in joint Working Groups within FIG

particularly in

### **Joint Working Group on 3D Cadastre of Commission 3 and 7**

The results of the previous term (2010-2014) of the joint WG provide a solid basis for the next 4-year term of the WG. The concept of 3D Cadastre is here to stay and the number of implementations is increasing, quite often with ambition to become LADM (ISO 19152:2012) compliant.

In 3D, physical and legal 3D objects are aligned and land administration is connected to other registrations via SDI: buildings, tunnels, cables/pipelines, terrain elevation, etc.

Most of the objectives, topics and scope of the previous term will be continued, but with additional emphasis on the following topics:

- collect and exchange experiences of operational 3D Cadastral systems (law, organization, technology)
- 3D Cadastre in mega-cities, often in Latin-America (Brazil, Mexico), Asia (China, Malaysia, Korea, Singapore) and Africa (Nigeria)
- 3D Cadastre usability studies, web-dissemination and 3D cartography
- 3D Cadastre as part the full life cycle of spatial development in 3D spatial plan, zoning, register restrictions, design solutions, acquire space/land, request/provide permits, obtain financing, realize/develop, survey/ measure results, submit final RRRs/SUs, check/validate submitted RRRs/SUs, store/ analyse data, disseminate, visualize and use the 3D (cadastral) objects
- contribute to the upcoming revision of ISO19152:2017 or 2018 (LADM) by further developing the 3D aspects in this international standard; e.g. provide a more formal taxonomy of different types of 3D parcels (spatial units)

#### Timetable:

2015-2018 maintain website incl. list of literature and interest-group

<http://www.gdmc.nl/3DCadastres>

2015 analyse and complete second questionnaire status 3D Cadastres 2014-2018

2015-2017 3D Cadastres session at FIG Working Weeks

2016 organize 5<sup>th</sup> workshop on 3D-Cadastres  
2017-18 FIG-publication on 3D-Cadastres  
2018 conduct third questionnaire status 3D Cadastres 2018-2022  
2018 presentation of the results at FIG Congress

Chair:

Prof. Dr. Ir. Peter van Oosterom, Commission 3, The Netherlands,  
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## **Cadastral Template 2.0**

The Cadastral Template 2.0 project is a follow-up of the Cadastral Template, which was originally established under the UN mandate by Resolution 4 of the 16th UNRCC-AP in Okinawa, Japan in July 2003. In 2014, the 3<sup>rd</sup> Plenary of UN GGIM-AP 2014 adopted as Resolution 5(d) “to support the development of the Cadastral Template 2.0, the successor to the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) supported Cadastral Template and encourage Member States to contribute information to the Cadastral Template 2.0 towards promoting better knowledge dissemination and sharing and promoting better practices”.

FIG Commission 7 in close cooperation with the Centre for SDIs and Land Administration, Department of Infrastructure Engineering of the University of Melbourne and swisstopo is strongly supporting this project and intends to increase the number of participating countries, to initiate regular updates of the content, to evaluate the indicators and information provided by the country delegates, and to further develop the structure according to user needs in cooperation with the FIG-HO and member associations and delegates.

Project leaders:

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## **FIG Standards Network**

The Network is continuing the work of a former FIG Task Force which was established in 1998 in response to concerns from the Commissions, the Council and the General Assembly that standards were becoming increasingly important in the work of surveyors and that the issue was not being addressed sufficiently by FIG.

Commission 7 is represented in the FIG Standards Network by Dr. Ir. Christiaan Lemmen (NL). All Working Groups are linked to the topics and co-operate as required.

## **7. Cooperation with United Nation Organisations, Sister Associations and other Partners**

Commission 7 has a long-term history in cooperation with the World Bank, UN agencies, such as UN Habitat, UN FAO, UN ECE, UNESCO and others, which will be continued. Links to the recently launched UN GGIM initiative are likely to start in 2015.

## **8. Commission Officers**

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### **Vice-Chair of Administration and Communication**

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### **Vice-Chair and Chair of Working Group 7.1**

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#### **Vice-Chair and Chair of Working Group 7.4**

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Gerda Schennach

Chair, FIG Commission 7

[www.fig.net/commission7](http://www.fig.net/commission7)

March 2015

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## **FIG Commission 8 – Spatial Planning and Development**

### **Work Plan 2015–2018**

#### **1. Title**

Spatial planning and development

#### **2. Terms of Reference**

- Regional and local planning structure
- Land use planning and implementation control
- Human settlement issues in spatial development
- Natural resources utilization and stewardship
- Strategy for environmentally sustainable development
- Public – Private – Partnerships
- Rural development and land governance
- Disaster risks management and resilience
- Inter-relationship between and amongst Commissions

#### **3. Mission statement**

The mission of Commission 8 is to unpack linkages between planning, Sustainable Development, natural resources utilization for economic growth while advancing social equity and resilience.

#### **4. General Spatial Planning**

Commission 8 continues to recognize spatial planning as a function for political decision makers, regional and sub-regional development organizations, technical Institutions, and Academic Institutions with active involvement of local communities with the prime objectives of investigating and setting out policies, as well as their implementation in order to attain sustained growth and prosperity.

These regional and sub-regional bodies, including FIG should ultimately provide leadership in strategies for formulation and implementation of spatial development planning and decision making at all levels of governance.

#### **Urban Development**

The World Urban Forum and its partners is contributing to guiding and enriching the policy work on equity and sustainable urbanization through an open dialogue.

Commission 8 will actively support this ongoing dialogue and align its goals in achieving sustainable urban development with those of the Forum and will actively pursue and support any political and technical debates on attaining a socially and ecologically equitable future. Expectedly, our support of their goals will ultimately feed into the global preparatory process of the Third United Nations Conference on Housing and Sustainable Urban Development (Habitat III). In the face of global challenges, Urban management systems and infrastructure to support sustainable, resilient urban development ought to be pursued.

## **Rural Development**

The development of rural area, to some extent, is always neglected by local governments and the gap between rural and urban becomes increasingly wide, which leads to many social, economic as well as environmental problems, threatening sustainable development of the country. Arguably, rural development is a complex issue, and could refer to many aspects such as land governance, fiscal policy, agricultural, and even social welfare system.

## **The World at Risk**

### **Development and Risks**

The world's population is projected to rise to 9.6 billion in 2050 and to have reached 10.9 billion by 2100 (UN, 2013). Already more than half the world's population live in urban areas and that percentage is estimated to rise to 68 per cent (6.3 billion people) by 2050 (Swiss Re, 2013). There has always been a dialectic between attraction and risk in the determination of human settlement patterns, a trade-off between soil, resources and location on the one hand, and hazards, such as volcanoes, earthquakes and floods, on the other.

Researchers argue that this rapidly changing built environment is the fast-growing, sprawling urban conglomerations located mainly in the high-growth markets of East Asia. These often coastal and riverine urban areas like the Pearl River Delta in China are frequently exposed to multiple hazards such as floods, typhoons and tsunamis. Many, too, are also located in seismically active areas, such as Metro Manila in the Philippines. The sheer concentration of lives and assets exposes more people more often to more risk.

### **Natural Resources Utilisation**

Undoubtedly, the global efforts to ensure sustainable management of resources such as energy, water, forest, needs sustained support from professional Association's such as FIG. With the current world population statistics, humanity will certainly run out of forest and rivers. Global resource consumption trends must prompt us to adopt realistic forecasts as a planning tool.

Citing instances from publications, it is believed that freshwater only makes 2.5% of the total volume of the world's water, which is about 35 million km<sup>3</sup>. But considering 70% of that freshwater is in the form of ice and permanent snow cover and that we only have access to 200,000km<sup>3</sup> of freshwater overall, it isn't surprising that demand for water could soon exceed

supply. The Food and Agriculture Organisation of the United Nations is predicting that by 2025, 1.8 billion people will be living in countries or regions with absolute water scarcity.

The key challenges in the new millennium have been summarized by experts as climate change, food shortage, energy scarcity, urban growth, environmental degradation, and natural disasters.

These challenges can only be managed when the professional roles of surveyors' are broadened to encompass principles that link planning and development.

Commission 8 will consider what constitutes humanities needs as enshrined in the human rights charter. The right to life meaning access to land, water and energy as resources.

In the period 2015-2018, our focus will be to;

- Consider World's population and the eventual futuristic scenario planning based on global statistics on land, water and energy as a resource
- To develop guidelines, methods and planning systems based on availability, accessibility, equitability, profitability, of natural resources utilization for inclusive growth
- Assert FIG's leadership role in developing guidelines that minimize vulnerability, improve sustainability to achieve resilience for global common good
- Give prominence in spatial & economic planning systems to South East Asia, Africa, South America & Caribbean for the following reasons:
  - Vast untapped natural resource
  - High predominance of environmental risks
- Adopt robust planning principles for sustainable resource use mindful of the key nexus of equity, inclusive growth and sustainable urban development through (voluntary guidelines) that could emerge as global standard by FIG
- Create a platform for "cross knowledge" sharing by the developed and the developing countries
- Establish a working group with special focus on water and energy
- Commission 8 will continue to and deepen the collaboration/consultation with all Commissions and YSN

## 5. Working Groups

- Working Group 8.1 – Disaster recovery, risk management and resilience planning

### Policy Issues

- Establish principles and guidelines for surveyors in disaster risks management, disaster recovery and resilience planning
- To formalize partnerships and roles with global Institutions working in the areas of disaster management

### Chair

- Mr Phil Rhodes,  
New Zealand  
Email: [prhodes@pcc.govt.nz](mailto:prhodes@pcc.govt.nz)

#### Specific project(s)

- Investigate key roles of surveyors in disaster risk management and resilience planning
- Investigate areas with high predominance of environmental risk for targeted actions

#### Workshop(s)

- To organise a round table discussion at Sofia, Bulgaria in May 2015
- Develop special papers for FIG working week 2016

#### Publication(s)

- Present report at the FIG working week 2017

#### Timetable

- 2015: roundtable and preparatory discussion
- 2016: reports and recommendation
- 2018: Publication

#### Beneficiaries

- FIG member organizations, UN, Red Cross and humanity organizations, Professional bodies
  
- Working Group 8.2 – Stewardship for water, land and forest as primary resources for development

#### Policy issues

- Consider and examine human rights principles/issues to food, water, energy and shelter and to establish linkages between planning and development
- Surveyors functional role in ensuring proper stewardship and effective utilization of resources to sustain prosperity at community, country, and global levels
- Scenario planning as a means to mitigate availability, accessibility, equity, and sustainability challenges for water, land and forest as resources for development

#### Chairs

- Ms. Yvonne O. Sowah – Ghana Institution of Surveyors  
(Gh.IS) – Ghana  
Email: [alproserv3@gmail.com](mailto:alproserv3@gmail.com)
  
- Bruce Keith -Chartered Institute of Water & Environmental Management  
(CIWEM) – United Kingdom  
Email: [lbrucekeith@yahoo.co.uk](mailto:lbrucekeith@yahoo.co.uk)

#### Specific project(s)

- Identify a planning framework which supports public – private – partnership and offers the best stewardship for natural resources for development
- Investigate key roles for surveyors that supports the PPP above

#### Workshop(s)

- Develop series of working papers for FIG working weeks
- Plan and organise a joint (Com 8 & Com 4) workshop with identified key stakeholders for policy initiation and an action plan .

#### Publication(s)

- Report on outcomes of the workshops at FIG regional conference

#### Timetable

- 2015: Round Table to develop proposals and action plan
- 2016: Refining and adopting the Action plan
- 2017 Workshop
- 2018 Publication

#### Beneficiaries

- UN, FIG Members associations, Governments and NGO'S,

### Working Group 8.3 – Human settlement policies and implementation

#### Policy issues

- The narratives in the informal settlement,
- The debate for the next decade

#### Chair

- Professor Perter Laarakker,  
Dutch Kadaster, Netherlands  
Email: [Peter.laarakker@kadaster.nl](mailto:Peter.laarakker@kadaster.nl)

#### Specific project(s)

- Develop appropriate level of surveyors contribution to the Human settlement debate
- Explore emerging narratives in the informal settlement Issues

#### Workshop(s)

- To explore and assert FIG's leadership and key role in informal settlement arena.
- and to investigate further to enhance the knowledge base through which surveyors can actively provide expert advice in informal settlement issues for Institutional collaboration and support at all levels of governance

#### Publication(s)

- To produce a working document and a program of action as outcomes from the workshops above

#### Timetable

- 2015: Round table session at FIG working week 2015
- 2017: Final report and recommendation for FIG working week 2017

#### Beneficiaries

- United Nations, World Bank, World Urban Forum, FIG professional Associations and member organizations, NGO'S, Researchers.

- Working Group 8.4 –Resilient Urban Development

### Policy issues

- Promoting sustainable urban development with the surveyors' variety of skills and knowledge (e.g. geoinformatics, land management and development)
- Strengthening urban resilience and adapting cities to the impacts of climate change
- Analysing the role of society and culture in urban sustainability
- Supporting the promotion of best practices in sustainable urban development
- Encouraging international collaboration and driving exchange on resilient urban development

### Chair

- Dr. Frank Friesecke,  
Germany  
Email: [frank.friesecke@steg.de](mailto:frank.friesecke@steg.de)

### Specific project(s)

- Analysing the role of the Surveyor in dealing with urban sustainability and climate change
- Exploring how cities can cope with the demands of building urban areas that are environmentally sustainable and support both economic and social development

### Workshop(s)

- Urban development in developing countries (intended for a regional FIG Conference in Africa, Asia or South America)
- Managing disaster risk and the impacts of climate change with resilient urban development (Christchurch 2016)

### Publication(s)

- To produce a working document and a program of action as outcomes from the workshops above

### Timetable

- 2015: 1. Round table session at FIG Working Week 2015 in Sofia
- 2016: 2. Round table session at FIG Working Week 2016 in Christchurch
- 2017: Final report and recommendation for FIG Working Week 2017 in Helsinki

### Beneficiaries

- United Nations, World Bank, World Urban Forum, FIG professional Associations and member organizations, NGO'S, Researchers.
  
- Working Group 8.5 – Rural development and land governance

### Policy issues

- Identify the important role of land governance in sustainable rural development
- Develop a practical land governance framework to facilitate rural development, focusing on the issues of land tenure, spatial planning, land consolidation and village renewal
- Establish partnerships and exchange platforms among various organizations and institutions working on the field of rural development

### Chair

- Rosy Liao Rong,  
China Land Surveying and Planning Insititue,  
China  
Email: [rosyliao@outlook.com](mailto:rosyliao@outlook.com)
- Dr.-Ing. Michael Klaus,  
Regional Project China of Hanns Seidel Foundation & Technical University Munich  
Germany  
Email: [klaus@hss.de](mailto:klaus@hss.de)

#### Specific project(s)

- Identify factors for rural development to minimize the gap between urban and rural areas
- Identify key roles for surveyors to contribute to policy advice
- Identify key factors for Land Governance in regard of rural areas
- Identification of Key Actors
- Develop a guideline of setting up a functional land governance framework to facilitate rural development, focusing on the issues of land tenure, spatial planning, land consolidation and village renewal

#### Workshop(s)

- Workshops in China and other Countries as well as FIG Working Weeks to prepare a Working Papers
- 

#### Publication(s)

- working document(s) and a program of action for rural development as outcomes from the workshops above
- Draft for Guidelines

#### Timetable

- 2015: Round table session at FIG working week 2015
- 2015: Workshop in China with Case Studies
- 2016: Round table Sessions at FIG Working Week 2016
- 2016: International Symposium in China
- 2017: Round table Session at FIG Working Week 2017
- 2018: Final report/paper and recommendation for FIG conference week 2018
- Research on Case Studies – Time Schedule to be agreed on first round table session
- 

#### Beneficiaries

- United Nations (GLTN), World Bank, FIG professional Associations and member organizations, Land Administrations, Civil Society Organizations, NGO'S, Researchers.

- Vice Chair Administration and Coordinator – Inter Commission relations

#### Policy issues

- Planning involves multi; Tasks, Roles, Professions, Functions, location specific and is everything from Archaeology to Zoology. The need to manage high level collaboration, consultation and coordination between and amongst the Commissions as a policy objective of FIG should be asserted.

- 

#### Chair

- Dr. Kweku Yeboah,  
Kwame Nkrumah University of Science & Technology (KNUST),  
Ghana  
Email:

#### Specific project(s)

- Create high level collaboration with YSN and Commissions of FIG
- Plan and implement collaborative technical programs and joint sessions with other Commissions

#### Workshops

- Organise round table discussions at each and every working week to determine synergies in inter commission activities and with the active participation and involvement of YSN

#### Publications

- Reports on round table meetings and outcomes

#### Timetable

- 2015: Introductory meeting and round table discussion at working 2015
- 2016: Round Table discussion and action planning
- 2017: Report on outcomes of inter Commission activities

#### Beneficiaries

FIG Member association and Commissions, Young Surveyors Network,

### **6. Co-operation with Other Commissions and organisations**

- Commission 8 intends to cooperate with Commissions 1, 2, 3, and 4 and with organizations that seeks to uphold human rights, justice and equity in resource utilization.
- Specific Countries and organizations with challenges and needs requiring focused attention from FIG's leadership as built environment professionals.

### **7. Co-operation with United Nation Organisations, Sister Associations and other Partners**

### **8. Commission Officers**

#### **Commission Chair**

Kwame Tenadu, M.A (Env. Mgt & Policy)  
President, Licensed Surveyors Association of Ghana  
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**Vice Chair Administration and Coordinator – Inter Commission relations**

Dr. Kweku Yeboah,  
Faculty of planning and land Economy  
Kwame Nkrumah University of Science & Technology (KNUST),  
Ghana  
Email

**Chair of Working Group 8.1**

Mr. Phil Rhodes  
Porirua City Council,  
16 Cobham Court  
Porirua 5022  
New Zealand  
Email: [prhodes@pcc.govt.nz](mailto:prhodes@pcc.govt.nz)

**Chairs of Working Group 8.2**

Ms. Yvonne O. Sowah – Ghana Institution of Surveyors  
(Gh.IS) – Ghana  
Email: [alproserv3@gmail.com](mailto:alproserv3@gmail.com)

Co-Chair

Mr. Bruce Keith -Chartered Institute of Water & Environmental Management  
(CIWEM) – United Kingdom  
Email: [lbrucekeith@yahoo.co.uk](mailto:lbrucekeith@yahoo.co.uk)

**Chair of Working Group 8.3**

Peter Laarrakker, (Professor)  
Dutch Kadaster  
The Netherlands  
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**Chair of Working Group 8.4**

**Dr Frank Friesecke**  
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**Chair of Working Group 8.5**

1. Ms. Rosy LiaoRong  
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The Ministry of Land and Resources  
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Xicheng District  
Beijing 100035  
The Peoples' Republic of China

Email: ROSYLiao [rosyliao@outlook.com](mailto:rosyliao@outlook.com)

2. Dr.-Ing. Michael Klaus,  
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Kwame Tenadu  
Chair, FIG Commission 8  
[www.fig.net/commission8](http://www.fig.net/commission8)

December 2014

## **FIG Commission 10 – Construction Economics and Management**

### **Work Plan 2015–2018**

#### **1. Title**

##### **Construction Economics and Management**

(including quantity surveying, building surveying, cost engineering and management; estimating and tendering; commercial management including procurement, risk management and contracts; project, construction and programme management including planning and scheduling)

#### **2. Terms of Reference**

##### 2.1. Cost Engineering (CE) and Quantity Surveying (QS)

Functions:

- To provide independent, objective, accurate, and reliable capital and operating cost assessments usable for investment funding and project control; and
- To analyze investment and development for the guidance of owners, financiers and contractors.

CE and QS duties and responsibilities include:

- estimates of capital or asset costs including development costs;
- estimates of operating and manufacturing costs through an asset's life cycle;
- risk assessment and analysis;
- trending of scope and cost changes;
- decision analysis;
- financial analysis (eg, net present value, rate of return, etc);
- project cost control;
- appraisals of existing assets;
- project analyses, databases, and benchmarking;
- planning and scheduling;
- siting studies, etc.;
- productive and investment needs assessment;
- facility management needs assessment;
- project feasibility and budget assessment;
- cost management;
- procurement management;
- contract administration;
- whole-life appraisals;

- quality audits;
- value management; and
- dispute resolution.

These are typical functions of the CE or QS but not all practitioners in the field perform all of these functions. Many specialize in a limited number of these functions.

## 2.2. Project and Construction Management (PM/CM)

Function: To set project objectives in line with the purpose(s) set up by general management and to manage the resources necessary to meet the project objectives.

PM/CM should:

- ensure that a realistic reference (scope, cost, time) is set up for further control and is in line with the objectives;
- ensure that appropriate management tools are set up to help the team control the project;
- create a cost-minded atmosphere within the team;
- make decisions on what should be done in case of variance; and
- ensure that the project objectives remain in line with business needs.

PM/CM delivers the project by:

- managing resources;
- delegating tasks;
- making decisions;
- receiving information;
- setting goals;
- motivating people;
- understanding cost engineering and quantity surveying;
- managing the schedule and make decisions in case of variance;
- managing quality and work methodology.

### **3. Mission statement**

The mission of Commission 10 is:

- The promotion of the practice of QS/CE and PM/CM globally.
- The promotion of “best practice” for QS/CE and PM/CM globally.
- The promotion of dialogue between member organizations engaged in QS/CE, and PM/CM.
- Fostering of research appropriate to the better understanding of building practice around the world.
- The promotion of cooperation among FIG Members organisations involving QS/CE and PM/CM for their mutual well-being and that of their individual members.

- The advancement of QS/CE, PM/CM, by education and research and continuing professional development
- To secure uniformity in education, standards and methodology by QS/CE, PM/CM throughout the world
- To facilitate and assist in development of formal education framework and competencies in the profession of QS/CE or PM/CM among member organisations that may not have a formal education or professional development in QS/CE or PM/CM
- To achieve the above mission objectives, FIG Commission 10 will collaborate with other international or regional organisations such as RICS, ICEC, PAQS, CEEC, AAQS, PMI and other similar organisations.

#### **4. General**

This work plan covers the development of the profession of QS/CE and PM/CM and framework for best practices and standards. Commission 10 intends to leverage on FIG's network of members organisations to promote the profession of QS/CE and PM/CM which are either non-existent or lacking in many countries especially the under-developed and developing countries. There are also developed countries that do not the profession of QS/CE or PM/CM. Specific activities aimed at these countries include development of standards for construction and cost management and contribution to appropriate Continuing Professional Development programmes.

#### **5. Working Groups**

##### **Working Group 10.1 – International Construction Measurement Standards**

###### Policy Issues

At present, construction measurement standards differ markedly around the world, making it difficult to accurately measure construction activities and processes, as well as the resulting performance and environmental impacts. The different sets of standards are often inconsistent or conflicting, making difficult for professionals, clients and investors to assess with certainty the value and risks attached to the project. In view of increasing mobility of construction professionals and also increased activities on cross border investments it is necessary for an international standard for consistency and transparency.

The establishment of International Construction Measurement Standards (ICMS) will be an international collaborative effort by international, regional or national professional organisations involving quantity surveying, cost engineering, project management and construction management.

The creation of such standards would eliminate current inconsistencies and improve the ability to assess, compare and reduce impacts related to environmental, social and economic impacts of the construction industry. Through accurate measurement standards, risks will be

reduced for businesses and investors and sustainable development can take place with greater accountability in both established and emerging markets.

The establishment of ICMS has the support of United Nations Global Compact. As the world's largest corporate sustainability initiative, the United Nations Global Compact works to advance collective action in support of sustainable development and to strengthen accountability. ICMS has the potential to increase transparency in the construction sector through the development of internationally-accepted standards in measurement.

#### Chair

See Lian Ong (slong1951@gmail.com)

#### Specific project(s)

To be formulated by the ICMS Coalition. Essentially the formulation of the ICMS will be directed by the Coalition partners. Working Groups will be established to draft the various components of the standard.

#### Workshop(s)

We propose an ICMS Workshop in the Spring of 2016 in London in collaboration with the members of the ICMS Coalition.

#### Publication(s)

International Construction Measurement Standard (ICMS)

#### Timetable

The timetable has not yet been set up yet. It is anticipated that the first draft of the ICMS will be ready for international consultation within 2 years from the setting up of the ICMS Coalition expected to be in January 2015.

#### Beneficiaries

FIG member associations, governments, standardisation organisations, decision makers, surveying businesses, individual surveyors, contractors, consultants, financial institutions, aids agencies.

### **Working Group 10.2 – Building Information Modelling**

#### Policy issues

BIM is on the cusp of becoming a common project requirement, but what is the position of the surveying profession in this new order?

Qs and PMs rely on the effective use, management and reuse of shared information. A BIM model allows this for asset information. Clearly, BIM presents a great opportunity for surveyors to improve their own efficiency and to add value through a better use of information on behalf of clients. Although there is an increasing awareness and usage of BIM, recent survey by RICS indicates that awareness of BIM issues within the surveying profession is still relatively low. The time for action is rapidly approaching. Tools that enable surveyors to use and add value to BIM models are now available, and are becoming increasingly powerful. So how should surveyors contribute to the development of the BIM capability? Key elements of the BIM Strategy point to some opportunities:

- government's focus on asset information – 'data drops' provide opportunities for value added services, particularly associated with occupation and facilities management (FM)
- progressive adoption – government's mandate for Level 2 BIM means that initial barriers to entry for surveyors will be low, particularly for value-added information exchange
- client pull, industry push – surveyors have the opportunity to collaborate with the wider industry to define appropriate standards to drive efficiency and manage risk
- use of project intelligence to support project gateways with 'should cost', programme and operating cost information. This links closely to other Construction Strategy work streams dealing with benchmarking.

Chair

To be appointed

Specific project(s)

To be developed

Workshop(s)

To be developed

Publication(s)

International BIM Guidance for Surveyors

Timetable

Beneficiaries

FIG member associations, governments, academicians, developers/builders, decision makers, surveying businesses, individual surveyors, contractors, consultants, financial institutions.

**Working Group 10.3 – Education and Research**

Policy issues

The profession of QS/CE is new or non-existent in some countries, both developed and developing countries. Commission 10 hopes to use its network and platform to influence policy makers to consider the use of QS/CE for developmental projects and as such the need to build competencies and human capital in this specialised field.

The new Chair of Commission 10 has had hands-on experience in bringing formal education of QS/CE to China about 10 years ago and hope to use the same model to develop the skills either through conversion programme or through developing course curriculum for undergraduate students.

Engagement with institution of higher learning within each of the relevant countries is essential to ensure the success and sustainability of this initiative.

Chair

To be appointed.

Specific project(s)

To be developed

Workshop(s)

Publication(s)

Core competency standards for the Quantity Surveyors/Cost Engineers

Timetable

Beneficiaries

FIG member associations, governments, institutions of higher education , decision makers, surveying businesses, individual surveyors, contractors, consultants, financial institutions.

## **6. Co-operation with Other Commissions and organisations**

Commission 10 intends to co-operate with Commission 1 on Professional Practice and Commission 2 on Professional Education. Further Commission 10 intends to collaborate with other professional organisations involved in QS/CE, PM/CM, such as RICS, ICEC, PAQS, CEEC, AAQS, PMI and other similar organisations.

## **7. Co-operation with United Nation Organisations, Sister Associations and other Partners**

Through its involvement in ICMS, Commission 10 will work closely with the United Nations Global Compact, world's largest corporate sustainability initiative. The ICMS

Coalition will also be engaging with the World Bank and IMF to seek their support and adoption of ICMS.

In addition, Commission 10 also intends to collaborate with other professional organisations to seek ISO standard for “Cost Management” and to seek WTO for recognition of the QS/CE profession in the CPC code.

## **8. Commission Officers**

- **Commission Chair**  
See Lian Ong  
28 Jalan PJU 7/26,  
Mutiara Damansara,  
447810 Petaling Jaya,  
Selangor, MALAYSIA  
Mobile: +60 12 2787103  
Email: slong1951@gmail.com
  
- **Vice Chair of Administration (TBA)**
  
- **Chair of Working Group 10.1**  
See Lian Ong (slong1951@gmail.com)
  
- **Chair of Working Group 10.2**  
TBA
  
- **Chair of Working Group 10.3**  
TBA

See Lian ONG  
Chair, FIG Commission 10  
[www.fig.net/commission10](http://www.fig.net/commission10)

December 2014



**FIG  
YOUNG  
SURVEYORS  
NETWORK**



**YOUNG  
SURVEYORS**

**WORK PLAN  
2015 - 2018**



## GENERAL INFORMATION

The FIG Young Surveyors Network was established as Commission 1 'Working Group - 1.2 Working Group Young Surveyors' at the FIG Congress in Munich in 2006. The reason that this working group was started in the first place was to bring more Young Surveyors into FIG.

Since 2006 we have come quite a long way and in 2009 the Working Group was upgraded to the level of the FIG commissions and was from then on named 'FIG Young Surveyors Network'. The experience and input as a Working Group contributed to the establishment of the YSN within FIG.

The contribution to the work of FIG and its commissions is the core of the network. Ensuring that Young Surveyors are well represented and active in the FIG Commissions is imperative. (<http://www.fig.net/comm/index.htm>)

The YSN organised various events like meetings, workshops and trainings all over the world.

These events got recognized by and organised in cooperation with leading association like UN-Habitat, World Bank, FAO, CLGE etc.

The network also published various articles, statements and comments in magazines.

*So far so good - and now it's time to go further.*

Based on the theme of Chryssy Potsiou, FIG president 2015 - 2018, the FIG Young Surveyors Network will contribute to ensure 'the Rapid Response to Change will be done by the Surveyor of Tomorrow'.





“Young people should be at the forefront of global change and innovation. Empowered, they can be key agents for development and peace. If, however, they are left on society's margins, all of us will be impoverished. Let us ensure that all young people have every opportunity to participate fully in the lives of their societies.”

— Kofi Annan

*Griß di - G'day - Salam - Hola - Ciao - Ekaaro - Selamat\**

*I am Eva-Maria Unger the chair of the FIG Young Surveyors Network. Born and raised in Austria I would describe myself as a nature-loving wanderer. Thanks to the support of the Austrian national association (OVG) and my working place the Austrian Federal Office of Metrology and Surveying (BEV) I got the chance to participate in this inspiring international community of surveying experts and professionals. Looking back now when I started in being active in Sydney 2009 feels like a decade and I still can't believe on how many friends I made, how much I learned and how much it broaden my horizon.*

*The most vital elements of a Young Surveyors Network are... all of you! Enthusiasm, Energy, and an Open Mind for new ideas is all I am asking for. Let us be these agents of change and lift our profession to the next level through co-operation and friendship.*

*I am honored and grateful in being the chair of the FIG Young Surveyors Network for the next 4 years and I can't wait in being inspired by all of you!*

**Eva-Maria Unger**

FIG Young Surveyors Network Chair

*\*means 'hello' in all the languages I've been to FIG Working Weeks and Congresses*

**“Let us make our future now, and let us  
make our dreams tomorrow's reality.”  
— Malala Yousafzai**

*Dear all,*

*My name is Paula Dijkstra, born and raised in the Netherlands. During my first Young Surveyors Network Conference in Rome I learned about the added value of the national associations and being part of a global network. From that moment on I have contributed to the network.*

*By being an active member of the Network I got the opportunity to organise meetings, discuss about the next steps of the network, travel to places like Lisbon, Marbella, Zagreb and Kuala Lumpur. But also the opportunity to learn about how to organise international events, be a host of an event, write articles for the newsletter and to enhance my professional network.*

*But what I like the most is the friendship with the Young Surveyors I met and worked together with since my first encounter with the network.*

*As vice chair of Administration of the FIG Young Surveyors Network I am looking forward to work with you and other active Young Surveyors. Together we can contribute to the future of the network.*

**Paula Dijkstra**

FIG Young Surveyors Network Vice-Chair of Administration



Foto By Shahkasahias



## TERMS OF REFERENCE

FIG is the International Federation of Surveyors (Fédération Internationale des Géomètres). It is an international, non-government organisation whose purpose is to support international collaboration for the progress of surveying in all fields and applications. The FIG Young Surveyors Network is established under its umbrella to address the need of Young Surveyors worldwide.

The definition of a Surveyor can be found on the FIG Webpage: <http://www.fig.net/general/definition.htm>

Based on this definition Young Surveyors and Young Surveying Professionals are defined as:

Young Surveyors (YS)

:: Surveyors aged 35 years or under

:: Students of surveying and all related studies

Young Surveying Professionals (YSP)

:: Young Professionals of surveying and all related studies within 10 years of graduation from a Bachelor or Masters degree

# HOW TO BECOME ACTIVE

There are two ways to be an active FIG YS:

1. Get in contact with your national surveying association (<http://www.fig.net/members/memassociations.htm>) and tell them that you want to be an active member of the network.
2. Just by being active! Join all or one of our social media channels, write an e-mail to [fig.youngsurveyors@gmail.com](mailto:fig.youngsurveyors@gmail.com) with your ideas and let us know who you are.

 <http://fig.net/ys>

 [fig.youngsurveyors@gmail.com](mailto:fig.youngsurveyors@gmail.com)

 FIG Young Surveyors

 FIG Young Surveyors Network

 Fig\_young

Being active in such a worldwide network has multiple benefits:

:: *the Network* - as we are continuously growing and can ensure that we are meeting all the various professional interests

:: *the FIG commissions* - as we are bringing them 'fresh blood'

:: *the National Associations* - as through supporting you and you gathering international experience, you are well prepared to become one of the future leaders

:: *You* - there is nothing better than having a worldwide network in your professional career especially in the beginning. Through experiencing personal contact with world leading surveying professionals you will learn more than you could ever possibly by study alone.





*“Yesterday is gone. Tomorrow has not yet come. We have only today. Let us begin.”  
— Mother Teresa*

## WORKING GROUPS

The FIG Young Surveyors Network will perform through its Working Groups on developing capacity and relevant tools in the key area defined through the Mission Statements and current FIG presidents theme:

‘Ensuring the Rapid Response to Change, Ensuring the Surveyor of Tomorrow’ - through developing a suite of toolkits for Young Surveyors world wide. So ways for Young Surveyors and Young Professionals are outlined to engage with FIG, FIG commissions, FIG members and partners.

The mission statements will be achieved through 5 Working Groups who are developing toolkits for each. Those toolkits should encourage and facilitate resilience in our profession through collecting ideas and suggestion for the use and further development by Young Surveyors world wide. The toolkits can be seen as an interactive checklist and as a solid basis to start from. The toolkits can be seen as ‘work in progress’ as they should be developed further and adapted to the regional context. With the toolkits developed over the 4 year term period we would like to inspire, encourage and sustain the work all Young Surveyors are doing.



*“If you think you are too small to make a difference, try sleeping with a mosquito.”*  
— Dalai Lama

## MISSION STATEMENT

- :: *Explore* the needs of Young Surveyors worldwide
- :: *Inspire* and *Empower* Young Surveyors to be the Surveyor of Tomorrow
- :: *Lift* the Young Surveyors Network to the next level that fits the needs and the purpose of the network
- :: *Ensure* the involvement of YS in each of the 10 FIG commissions
- :: *Ensure* that Young Surveyors are well represented at national and international platforms
- :: *Link* Young Surveyors with their national surveying associations and FIG commissions
- :: *Work* in partnerships and *Organise* events, workshops, trainings and meetings together with all FIG members
- :: *Prepare* Young Surveyors for their future roles through mentoring and trainings
- :: *Increase* the awareness of FIG and the FIG YSN through social media
- :: *Facilitate* a worldwide YSN through *Fostering* and *Supporting* the establishment of regional YSN

"I want to put a ding in the universe."  
— Steve Jobs

## WORKING GROUP - SOCIAL MEDIA

Our 'ding' is to give you the tools and knowledge on how you can pimp up your professional life through networking and using social media as a powerful source of inspiration and communication. It's about being inspired and inspire others through sharing. The FIG Young Surveyors Network is already well represented on various social media platforms as you can see below:



<http://fig.net/ys>



FIG Young Surveyors



Fig\_young



FIG Young Surveyors Network

Those platforms and the Young Surveyors participating are increasing rapidly. With more than 5000 members in the Facebook group, 750 followers on Twitter and 1100 professionals following the LinkedIn group its becoming more lively and vibrant.

Specific Working Group Projects:

- :: *Coordination* of the various platforms, *Collect* and *Share* relevant information
- :: *Raise* awareness on 'How to Use Social Media for Your Professional Development' during Young Surveyor events
- :: *Collect* the input gained from those events and *Develop* a toolkit on 'How to pimp up your professional career through using Social Media'



"Coming together is a beginning. Keeping together is progress. Working together is success."

— Henry Ford

## WORKING GROUP - EVENTS

Working together that's what we are doing and that's what we are aiming for. One of the most important part of all the activities is the lively presence of Young Surveyors during FIG and FIG partner events. Young Surveyor Meetings, conferences and activities during these events are mostly organised by Young Surveyors in cooperation with the hosting association or partner.

For each of the FIG events there is one local Young Surveyor responsible, provided through the national member association, to be the link between the local organising committee and the FIG Young Surveyors Network.

Specific Working Group Project:

- :: *Develop* a toolkit on 'how to organise events'
- :: *Extend* co-operation with national associations, other host associations and FIG commissions
- :: *Organise* events in cooperation with FIG commissions and FIG member associations
- :: *Work* together with national and international sponsors





## :: FIG WORKING WEEK 2015, 17 - 21 May 2015

Sofia, Bulgaria

*'From the wisdom of the ages to the challenges of modern world'*

*Pre-event: 3rd FIG Young Surveyors European Meeting*

*During the FIG WW: YS Sessions and activities*

*YS Representative: Georgi Zlatanov*

## :: FIG WORKING WEEK 2016, 02 - 06 May 2016

Christchurch, New Zealand

*'Recovery from disaster'*

*3rd FIG Young Surveyors Network Conference*

*Disaster Relief and Charity activities*

*YS Representatives: Melissa O'Brien & Matt Ryder*

## :: FIG WORKING WEEK 2017, 28 May - 1 June 2017

Helsinki, Finland

*4th FIG Young Surveyors European Meeting*

*YS Representative: Tuomas Jylhae*

## :: FIG XXVI CONGRESS, 05 - 11 May 2018

Istanbul, Turkey

*4th FIG Young Surveyors Network Conference*

*YS Representative: Pinar Demirci*

“We cannot always build the future for our youth,  
but we can build our youth for the future. ”

— Franklin D. Roosevelt

## WORKING GROUP - MENTORING

Since our start in 2006 we have worked in close cooperation with passionate Surveyors. They helped us to establish the network of today. To continue tomorrow we would like to strengthen the bridge between the professionals and the ‘rookies’ of the profession.

Mentoring is one way to ensure that knowledge is passed on to the next generation of Surveyors. There is one sustainable way in inspiring young people through remembering what we love about our profession as well as showing opportunities and giving them responsibilities. Challenges everybody has to face in a career can be guided through the help of a colleague, good friend and mentor.

Therefore the aim is to create a database of people who would like to be a mentor and Young Surveyors who would like to be a Mentee. The next step is to link the experienced professionals with the ‘rookies’. The benefit of being mentored is that everybody is responsible for itself but the FIG Young Surveyors Network can provide the base and the first step.

Specific Working Group Projects:

- :: *Identify* mentors and mentee at international, regional, national and FIG commission level
- :: *Organise* mentor sessions during the Young Surveyors Event
- :: *Develop* a toolkit with careers tips and tricks



“Our children are the rock on which our future will be built, our greatest asset as a nation. They will be the leaders of our country, the creators of our national wealth, those who care for and protect our people.”

— Nelson Mandela

## WORKING GROUP - PARTNERSHIPS

The FIG YSN worked in close co-operation with FIG commissions to organize workshops, trainings and meetings. We are also working closely with other FIG members and partners. As in the past there has been events organised with UN-Habitat GLTN, UN GGIM, CLGE etc. The aim is to enlarge and expand those partnerships and co-operations with other NGOs as well as universities and so create an international platform of exchange.

The events provide valuable knowledge, skills and expertise to the young professionals within the network. Within this working group the cooperation with these partners will be further strengthened.

Specific Working Group Projects:

- :: *Strengthen* YS representative positions in partner organisations
- :: *Work* together with FIG Commissions and FIG Foundation
- :: *Work* together with FIG Members (UN-Habitat Global Land Tool Network, UN GGIM, World Bank, FAO, CLGE, ...)
- :: *Work* together with Sponsors on upcoming projects
- :: *Work* together with universities to organise trainings, events, workshops, summer schools
- :: *Develop* a toolkit with an overview of existing links with FIG Members and partners and ways to co-operate







*“Ensuring the Rapid Response to Change, Ensuring the Surveyor of Tomorrow”  
— Chryssy Potsiou*

## FIG COMMISSIONS

Ten commissions lead FIG's technical work. Each member association appoints a delegate to each of the commissions. And that's also where your place is! Based on your own personal professional interest we are supporting all of you in becoming active in the commission of your choice. They are keen to meet you! You can find detailed information of the commissions, their work plans, working groups, seminars, newsletters and publications at: [www.fig.net/comm](http://www.fig.net/comm).

Commission 1: Professional Standards and Practice

Commission 2: Professional Education

Commission 3: Spatial Information Management

Commission 4: Hydrography

Commission 5: Position and Measurement

Commission 6: Engineering Surveys

Commission 7: Cadastre and Land Management

Commission 8: Spatial Planning and Development

Commission 9: Valuation and the Management of Real Estate

Commission 10: Construction Economics and Management



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
AFRICAN  
NETWORK



"If you want to walk fast, walk alone. If you want to walk far, walk with others."  
— African Proverb

## FIG YOUNG SURVEYORS AFRICAN NETWORK

During the FIG Working Week 2013 in Abuja, Nigeria the Young Surveyors African Network showed their passion and engagement in organising themselves as a Network and Young Surveyors activities during the events. As a pre-event and highlight to the WW 2013 a STDM Training for Trainers was organised.

The peak in the establishment of the Young Surveyors African Network was their activities during the AfricaGEO 2014 in Cape Town, South Africa. During this event they were responsible in organising 2 Workshops. The Workshop on education reflected the education requirements of the current curriculums. The other Workshop 'Ask the Experts' invited international surveying and surveying related experts in participating in a lively podium discussion.

It is overwhelming how many Young Surveyors in Africa are active and are searching for opportunities to express themselves. Many African countries are already well represented in the African Network but there are still countries missing which we would like to connect to the Network.



Shahkosahias  
PHOTOGRAPHY



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
ASIA  
PACIFIC  
NETWORK



*“You must be the change you wish to see in the world.”  
— Mahatma Gandhi*

## FIG YOUNG SURVEYORS ASIAN PACIFIC NETWORK

During the XXV FIG Congress the FIG Young Surveyors Asian Pacific Network (YSNAP) was established. 18 countries were represented during this event and after the country reports and a forum discussion the goals for the Asian Pacific network were identified.

- :: A network strengthening program
- :: Identify opportunities for collaborative events in the region
- :: Establish a regional social media platform on Facebook  
<https://www.facebook.com/groups/ysnap/>.
- :: Capacity development of Young Surveyors focussing on challenges in the Asia Pacific Region

- :: Exploring funding opportunities to support the events organised by the YSNAP

The Asian Pacific Network is a very active, lively and vibrant Network. There are a lot of meetings and activities already planned for the upcoming years. So stay tuned and involved!



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
EUROPEAN  
NETWORK



“It is young people who represent the future of our economy and society. Our collective future depends on young people’s skills, ideas and abilities, and on whether they get an opportunity to apply and develop them in the labour market. Investing in young people is therefore a moral imperative, a social necessity and simple economic sense.”  
— László ANDOR (EU Commission)

## FIG YOUNG SURVEYORS EUROPEAN NETWORK

The FIG Young Surveyors European Network (YSEN) is supported and working closely together with CLGE (The Council of European Geodetic Surveyors). The YSEN is represented on the executive board of CLGE through an elected representative. Through this co-operation the activities of the YSEN can be coordinated all over Europe. To strengthen the European Network co-operation with European leading Young Surveyors organisations as e.g. IGSO (International Geodetic Student Organisation) and KonGeoS (Conference of Geodesy Students) got established just recently and will benefit all.

In 2013 the first YSEN meeting took place in Lisbon, Portugal. In 2014 the European Young Surveyors travelled to Berlin, Germany to also attend INTERGEO. The goal is to have a meeting each year in one of the European countries. Those meetings will be organised in close cooperation with the national associations and focus on European challenges and opportunities.



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
NORTH  
AMERICAN  
NETWORK



*“A change is brought about because ordinary people do extraordinary things.”*  
— Barack Obama

## FIG YOUNG SURVEYORS NORTH AMERICAN NETWORK

The FIG Young Surveyors North American Network is also called NSPS Young Surveyors Network as it is under the umbrella and working closely together with NSPS (National Society of Professional Surveyors). In 2014 the 1st FIG Young Surveyors North American Meeting took place in San Diego, California. 25 enthusiastic surveyors from 15 states had a lively discussion on how to establish a Young Surveyors presence and program within North America.

The Meeting was just the starting point and the Network continued their hard work and published this toolkit:

<http://www.nspss.us.com/document/docWindow.cfm?fuseaction=document.viewDocument&documentid=1173&documentFormatId=1194>

There you can find the Mission and Vision Statement as well as how they organise themselves. It's the first toolkit and therefore it is a huge and important step not just for the American Network, this can be used and adapted all around the world.



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
SOUTH  
AMERICAN  
NETWORK



*“When you are enthusiastic about what you do, you feel this positive energy. It’s very simple.”  
— Paulo Coelho*

## FIG YOUNG SURVEYORS SOUTH AMERICAN NETWORK

The 8th FIG Regional Conference 2012 was held in Montevideo, Uruguay. Two dedicated sessions were held, hosted jointly by the FIG Young Surveyors Network and the UN-HABITAT Global Land Tools Network on "Youth Responsiveness in the Land Sector".

The Regional Conference was a huge success and a lot of Young Surveyors learned about the Network but there is still a lot to do in this region. We would like to be better represented and connected to FIG member associations in South America as well as we would like to enlarge the representation of South American Young Surveyors in our Network

# THESE ACTIVE YOUNG SURVEYORS MADE OUR EVENTS HAPPEN IN 2014

## **1st FIG YSNAM**

Amanda Askren, USA

Alysen Kohlnhofer, USA

Adam Schleicher, USA

Marcus Hampton, USA

Zareena Ariffin, Malaysia

Nurul Izzati, Malaysia

Rhea Lyn Dealca, The Philippines

Rizqi Abdulharis, Indonesia

Melissa Robert, Uruguay

Yusuf Aro-Lambo, Nigeria

Paul Giesen, The Netherlands

Gora Diagne, Senegal

Jon Gustafson, USA

Tom Champion, Australia

Benedicta Ugwulebo, Nigeria

Asmae Azzoui, Morocco

Emily Tidey, New Zealand

Odil Akbarov, Uzbekistan

Chandan Das, Nepal

Donmarl Camua, The Philippines

Celine Roux, Australia

Irena Rojko, Slovenia

Pamela Ibukunle, Nigeria

Malakai Vakautwale, Fiji

Kazuaki Fujii, Japan

Odil Akbarov, Uzbekistan

Fenika Oloapu, Fiji

Matt Ryder, New Zealand

Melissa O'Brien, New Zealand

Nabin Paudel, Nepal

## **STDM Training for Trainers &**

### **2nd YSC&**

### **1st YSAPM**

Nur Zurairah Abdul Halim, Malaysia

Kelvin Tang, Malaysia

Faz Haron, Malaysia

Yusniman Che Hassan, Malaysia

Yuhasle Yusof, Malaysia

Wan Amirul, Malaysia

Shah Kasahias, Malaysia

Fitz Ptok, Malaysia

## **AfricaGEO 2014**

Kevin Musungu, South Africa

Eric Yeboah, Ghana

## **2nd YSEM**

Annette Hadler, Germany

Luise Uhlig, Germany

Diana Becerevic, Croatia

Ruben Martinez, Spain

Dave Bruyning, The Netherlands

Christelle van den Berg, The Netherlands

Tuomas Jylha, Finland

Edgar Barreira, Portugal

Eike Barnefske, Germany

Ferah Pirlanta Koksal, Turkey

#### **STDM Training for Trainers**

Eric Yeboah, Ghana

All these events were co-organised together with:

Kate Fairlie, Australia

Paula Dijkstra, The Netherlands and

Eva-Maria Unger, Austria

Also we would like to thank the Sponsors and Supporters of all the events.



***We hope to count on you and many other Young Surveyors in the coming years!***



## **Regional Capacity Development Network 2015-18: Africa**

### **Terms of Reference**

(To be approved by the General Assembly, May 2015)

#### **1. BACKGROUND - AFRICA TASK FORCE 2009-14 OUTCOMES:**

Under the FIG term 2009-14 the ATF was asked to deliver a clear direction for African members Associations to actively increase their presence in FIG, and raise the profile of both African land professionals as well as the wider FIG land community on the international stage.

The FIG Africa Task Force was asked and did successfully deliver its mandate. It was established to address the challenges that sub-Saharan African FIG Member Associations face in addressing their capacity issues specifically emphasised the importance of good land governance and the role of the African Surveying Profession in contributing to meeting the key challenges of poverty alleviation, economic growth, and environmental sustainability.

The ATF achieved this mandate, guided through participatory workshops the African Land Professional community considered, presented new and creative tools to revitalise and strengthen members and their organisations within Sub Saharan Africa. The focus has been be on building the capacity of the surveying organisations and individual surveyors to act as agents of positive change and encourage the process of development and growth for the benefit of Africa and its people. Importantly, for a task force, there was unprecedented engagement over 4 years, it involved a significant number of professionals drawn from across the continent, with over 140 attendees from 12 Member Associations, in addition to Academic and Corporate Members- the outreach was wide both across the continent and also at four FIG annual working weeks roundtables, two FIG Congress' and Key pan-African communication platforms (including AU).

Driven by this significant momentum a strong African network has been created and traction for more to be done has begun to take hold, notably, the participants have increasingly become more engaged within the FIG community, and taken on key roles of leadership.

The next step is this for land professional's African regional network to actually engage with the key drivers and challenges that the continent faces with land governance institutions, and it is proposed a further platform is required to support them to achieve this in the African region. Importantly, such a regional network may be adopted by other regions. Supported by an appropriate business case agreed to be agreed at FIG Council, the overarching mandate of each region will be "to develop workshops to build the capacity of land professionals to enable them to effectively embrace current global trends in their respective region"

#### **2. PROPOSAL**

Due to the success, it is considered that this approach could be rolled out across the Regions, if additional funding could be secured. Given the previous 4 year lead in time, the African

region will lead this new initiative, building upon the clear direction emerging from the ATF (2009-14) and from these deliberations it is proposed to continue the philosophical and methodological approach of the Africa Task Force in the wider sense as the Regional Capacity development Network, and led by the Region. Such a further 4 year term platform has the following advantages:

- The concept can readily be seen as a template and adopted by Land professional's groupings in other World Regions.
- It becomes an identifiable entity in the minds of public and civic institutions and can more clearly be engaged
- It will deliver a high profile activity that contributes to the FIG corporate brand by maintaining meaningful links into strategic donor partner's work activities and their associated international African Regional mandates
- It should aim to continue and increase the presence and involvement of the Young Surveyors, drawing upon the Young Surveyors Network as key partners

The next four years is the period for consolidating what has been achieved, and for the partner member associations to take on the responsibility to continue, and to engage with regional and international organisations. It is a critical step to build upon the originating mandate that land professionals must act as change agents and to engage at high levels.

Ultimately, the Task Force activity should be seen as a capacity development process, the intention was to build capacity, and indeed this has occurred as outlined (see ATF publication #63), and has resolved a consensual view and clearly articulated recommendations providing a focused way forward for the ATF Vision 2030, that,

***By 2030 Africa land professionals will provide global thought leadership and promote professional leadership qualities amongst its members and within their Associations***

The co- leadership will be agreed at the FIG working week in Sofia, Bulgaria by way of nominations, the chair is to maintain development of the program over the term, in partnership with three separate champions (for each theme).

**It is therefore recommended** that the work of Task Force continues as a Network that enables capacity development for land professionals within the Terms of Reference (TOR's). In the following section 3 to 6, these TORs broadly outline a focus, themes, a work program and outcomes that will make a difference.

### **3. AFRICA REGIONAL FOCUS**

ATF is a robust platform but one that needs to evolve. In short, the Africa Task Force process of participatory capacity development has enthused the workshop participants and enabled them to facilitate the process of further empowering the surveying profession in Sub-Saharan Africa to cope with their professional and social responsibilities, so much so the momentum to continue the work is significant. It is important that such momentum does not reinvent the wheel.

A clear direction emerged from the ATF and from these deliberations key recommendations have been devised that could easily apply to any world region. The focus in Africa is to continue the network and so mandated to build members and their associations capacity to engage and interface at all institutional political levels including the African Union oversight level to grassroots community involvement.

The recommendations resolved that land professionals in Sub-Saharan Africa should build upon the previous ATF to continue now to apply their collective knowledge and build their capacity to address the emerging UN Post-2015 agenda that will supersede the current UN Millennium Development Goals that are in place over the period (2000- 2015).

It is imperative that Land Professionals across the world remain engaged in initiatives that will enable them to make a difference. Renewed commitment to continuing this initiative is crucial. For the first time, through the post 2015 development goals, targets specifically relating to land and societal development will be drafted; thus providing an excellent opportunity to optimise and continue the Task Force deliberations in Africa encapsulated in the Vision.

#### **4. THEMES**

The ATF Roundtable held in KL June 2014, agreed that the next step should be a platform that has a mainstreaming strategy to ensure that our strategic stakeholder groups are fully involved. These include Young Professionals, Franco-phone land professionals as well as the main cohort of Membership Associations to ensure diversity in our audience. Such diversity will provide a lead champion each year.

Drawing from and adopting the recommended approaches identified by the Task Force members, (see ATF Publication #63) the network will work towards gaining support in its outputs by actively Communicating to influence, purposefully Collaborating, and in so doing building Connectivity to ensure that skills are developed that will reach out to all stakeholder's community networks

The Network envisages a number of outreach events to be organised and subsequent discussion at the FIG Regional/ Working Weeks. The events include but are not necessarily limited to "giving a voice" to themes around the Land professionals contributing to

- Youth and Diversity in an equitable economy that will address the post 2015 MDGs (2015/16),
- Good Land Governance and alliance to FAO/VGGTs and AU Guidelines (2016/17),
- Large Scale Land Based Investments OR other (2017/18).

Each themed event will be championed by three nominated co- eads, one for each year, and it is proposed to open discussion with FIG key stakeholders, specifically FGF and YSN who in turn will work with a Member Association/ Academic to deliver the proposed event. A network chair will ensure continuity over the term, and be responsible to steer delivery, for the overall coordination and available

Finally, all activity will link back to integrating cross-cutting themes into the activities and projects at key stages of the term, and be monitored and evaluated at the mid-term point.

## 5. PROPOSED WORK PROGRAMME

With this aim, the Network, during its first meeting at the FIG Working Week (Sofia, Bulgaria) will agree on a working programme aiming to meet eight times before submitting its recommendations.

- 2015 – Inaugural meeting, agree themes and leadership – Sofia.
- 2015 - Regional – Youth and Diversity in Land Professionals and MDGs +2015 agenda
- 2016 – Open forum discussion – New Zealand.
- 2016- Regional: Good land governance assessing the VGGTs
- 2017 – Open forum discussion – Finland.
- 2017- Regional – tbc (possibly Large Scale Land Based Investments),and
- 2017 – Regional discussion to pulling together.
- 2018 – Open Forum discussion and final agreement – Turkey.
- 2018 – Submission of report.

## 6. OUTCOME

In its final report the Network will present a new look at how Professionals will continue to support Africa's own efforts to meet the challenges of today and tomorrow including the on the one hand recognition of Africa's diversity, and on the other working towards fulfilling the Global challenges (+2015 MDG a VGGT's).

The report will contain recommendations on how to promote ownership of the emerging African network and if this process can articulate an approach for other Regions to follow.

In drawing up its conclusions, the network force will build on linkages with strategic allies across the continent including education and professional networks, a continuous dialogue with high level African and international experts and drawing upon the development of frameworks and principles embodied in existing and new FIG declarations, codes of conduct etc).

When the conclusions have been presented, they will contribute to the framework for FIG development co-operation with Africa in the years to come.

Participants will be drawn from young surveyors network and the strong existing network across Africa as listed in ATF previous publications (ATF 2009- 14 publication #63)

Above all, the Network will provide an adaptive template for land professional's regional groupings to pursue their own Regional agendas to support Land professionals in their quest to become influential agents of change.

## 7. COMPOSITION OF THE NETWORK

Chair: FIG Vice President Diane Dumashie

Members: to be decided

*Drafted by Dr D Dumashie with support from the Africa Regional Membership*

27<sup>th</sup> February 2015

## **FIG Task Force on Real Estate Market Study**

### **Terms of Reference**

(To be approved by the General Assembly, May 2015)

#### **1. RATIONALE**

It would be good for Surveyors to increase their knowledge and activity in real estate markets on the current challenges etc. Therefore it would be helpful to establish a FIG Task Force on this topic.

It is suggested to focus on the ECE region. There are several countries in this region struggling to improve their property markets.

#### **2. AIM OF THE TASK FORCE**

Carry out a study on the real property markets in the UNECE region.

#### **3. FOCUS/THEMES**

Topics related to the theme or the real estate market:

- legislation
- relevant recent legislation and involved governmental agencies for regulation and permitting procedures
- existing registers/databases, information services
- taxation, fees - transparency
- players/actors
- investigation of the investors' needs
- processes
- time and costs required
- government guarantees to register information
- security of ownership/tenure

#### **4. COMPOSITION OF TASK FORCE**

Suggested members of the task force and people involved: to be decided at the Working Week 2015.

Also other experts, not only surveyors, will be needed. They can be found in collaboration with UNECE.

#### **5. PROPOSED WORK PROGRAMME**

2015-2018

## **6. OUTCOME**

Report on the current situation in the real property market in the region, its challenges, and main lines of development.

## **7. CHAIR**

Pekka Halme, Director of Strategic Development, NLS Finland

## **FIG Task Force on FIG Commission Structure**

### **Terms of Reference**

(To be approved by the General Assembly, May 2015)

#### **1. BACKGROUND**

As the premier international organization representing the interests of surveyors worldwide FIG is a federation of the national member associations and covers the whole range of professional fields within the global surveying community. It provides an international forum for discussion and development aiming to promote professional practice and standards.

The structure of the FIG Commissions has been the same for many years, and has enabled FIG to achieve global outcomes and support our international membership. The role of the surveyors has transformed since 1878, however the rate at which technology has changed has been more rapid over the last few decades. FIG has truly undergone a massive technological advancement, in particular from an analogue to digital world and from terrestrial world to space based environment. From a surveying perspective we have changed the way information is collected, stored, integrated and distributed. Information is now gathered in huge quantities, is becoming more accessible, exchangeable, and on platforms or via media that were not even thought of when the current Commission structure was decided.

#### **2. AIM OF THE TASK FORCE**

To respond to the changes and manage these technological advances and challenges it may be good to ask whether the FIG Commissions today are reflecting this change or whether there might be a need to restructure our Commissions to support our surveyors appropriately in the future?

The world is dealing with major challenges caused by global changes such as rapid urbanisation and the effects of climate change. As a consequence, FIG is becoming a major link and partner with multinational organisations such as the United Nations, the scientific and academic community and the operational professional surveyor. With this comes an added expectation that FIG surveyors will provide technical solutions or provide professional advice to address sustainable development and humanitarian needs. This responsibility is not only a FIG Council responsibility, but reaches out to the Commissions and to our members and their roles in the FIG Commissions. Can these roles and others be actively dealt with relation to the current Commission structure of FIG?

#### **3. FOCUS**

A first step will be to evaluate the current structure and function of the commission and hereafter conclude whether any changes are needed. If it turns out that it might be

advantageous to change the structure of the Commissions the Task Force will identify possible changes.

Some questions to ask in this process are:

- Do we have the right Commissions?
- Do the Commissions have the right focus?
- Do we have a mechanism for the Commissions to interact more actively with each other, FIG members or working groups from other organisations?
- What do we need to change and why?
- How do we manage and implement structural change?

#### **4. OUTCOME**

This Task Force has been set up to secure the internal structure of FIG into the future. The Task Force will not necessarily suggest a new structure with new Commissions but will need to review the current structure, its terms of reference, the Commission's missions and suggest ideas on how to improve the capability of FIG and the Commissions to accomplish the work plans and most importantly how FIG will be a long term partner in the developing world.

The Task Force must undertake this via a unified, collaborative and consultative approach with all of its members. This means we need to identify the challenges and potential changes for FIG, have a discussion on whether the current Commission structure is the correct one to meet the future challenges. We need also to have a discussion on the mission and the work of the Commissions. We need also to have a discussion on how to have the Commissions to use the full FIG structure, corporate members included when accomplishing their work plan. We need to discuss how we implement change to accept and engender ownership amongst our membership.

#### **5. PROPOSED WORK PLAN**

It is highly recommended, the Task Force start as soon as possible. There should be an endorsed plan at the latest at the next FIG Congress. The main work load will be done through e.g. email but face to face meetings will be set up when appropriate and coincide with FIG events. The Task Force will consist of a selected "core group" but also invite others to be part through a reference group.

#### **6. COMPOSITION OF TASK FORCE**

To be decided

#### **7. CHAIR OF TASK FORCE**

Chair: Mikael Lilje, Swedish professionals for the built environment.

## **FIG Task Force on FIG Corporate Members**

### **Terms of Reference**

(To be approved by the General Assembly, May 2015)

#### **1. RATIONALE**

FIG needs to increase income stream. FIG has a vibrant membership community however there are minimal opportunities to increase income from Member Associations, Affiliate Members or Academic Members. The one significant area of opportunity is Corporate Members. Currently FIG has 23 corporate members whose dues contribute approximately 22% of the FIG budget but have little opportunity to truly interact, collaborate, communicate and participate with FIG Council and the FIG community.

While there has been a few instances of collaborative working successes (e.g. with Trimble, Leica & ESRI) these occasions tend to be ad-hoc, with little on-going leverage. A stronger collaborative platform could aim to disseminate and facilitate two-way beneficial activities.

#### **2. AIM OF THE TASK FORCE**

Cashiered by John Hohol, supported by Diane Dumashie as Co-chair, the aims are to:

- solicit input/support of current corporate members to explore how they can participate more fully in FIG community.
- Discuss with them what is important in their relationship/membership in FIG
- Explore benefit package for corporate members.
- 

#### **3. FOCUS/THEMES**

Primary focus is the increase in number of corporate members while providing better communication with FIG Council and interaction between the wider FIG organisation and ultimately member associations.

#### **4. COMPOSITION OF TASK FORCE**

Suggested members of the task force and people involved: Diane Dumashie (FIG Council), John Hohol (FIG Foundation), Bryn Fosburgh (Executive VP, Trimble Navigation), Brent Jones (Global Manager Cadastre/Land Records, Esri).

## **5. PROPOSED WORK PROGRAMME**

- A) 2015 Redefine and update corporate member benefits and dues structure
- B) 2015/16 Research potential new corporate members based on industry focus
- C) 2015/ Ongoing Solicit potential corporate members via direct communication and contact at industry events (Intergeo, etc.).
- D) 2015/16/17 Add new corporate members
- E) Hold update meetings with Council representative (DD) at each working week, Sofia, Christchurch and Helsinki

## **6. OUTCOME**

Increased FIG Corporate Membership

## **7. CHAIR**

Co-chairs: John Hohol; Bryn Fosburgh, supported by D Dumashie VP and reporting to Council

## **FIG Task Force on Scientific Journal**

### **Terms of Reference**

(To be approved by the General Assembly, May 2015)

Task Force to evaluate the establishment of a FIG peer-review scientific Journal

#### **1. RATIONALE**

In recent years, there is a growing activity of academics in FIG (e.g. – FIG academic members). One of the parameters in which the achievements of the academics is examined is the number and quality of their published articles, especially those that are indexed in abstracts and citation databases of peer-reviewed literature (e.g. Scopus, ISI). This issue is particularly important for scholars in their early stages of academic career.

8 years ago, FIG initiated the full peer-review channel for papers submitted to the annual FIGWW conferences and Congresses. Still, a concern was made (by numerous delegates and members) that the level of review is not sufficient, and perhaps more important, that these articles do not appear in the scholar databases, such as Scopus and ISI.

To overcome such problems, many international professional organizations have established peer-review journals designed to advance the knowledge in their field on the one hand, and allow professionals in general and academics in particular to publish peer-reviewed articles on the other hand. These journals initiated by the international professional organizations, are in spite the relatively large number of existing journals. Several examples are:

- **“ISPRS International Journal of Geo-Information”** - *ISPRS International Journal of Geo-Information* (ISSN 2220-9964) is an international, open access journal on geo-information. It is a journal of the ISPRS (International Society for Photogrammetry and Remote Sensing) and is published quarterly online by MDPI.
- **“Cartography and Geographic Information Science”** - *Published on behalf of the American Cartography and Geographic Information Society* (ISSN 1523-0406 - Print, 1545-0465 - Online).
- **“International Journal of Spatial Data Infrastructure Research (IJS DIR)”** & **“Journal of Spatial Information Science (JOSIS)”** – The two journals are official journals of the Spatial Data Infrastructure Association.

FIG, as the international Federation of Surveyors, should take its leading position, and establish its own high level peer-review professional and scientific journal.

Moreover, our academic members so far see not much benefit from FIG and therefore we need to activate them through this activity. Coordination with VP Pengfei Cheng who chairs the

academic forum will enable us to activate several members, in order to cover all fields of surveying even the emerging ones.

## **2. AIM OF TASK FORCE**

The aim of the Task Force is to evaluate all aspects of establishing a journal under FIG umbrella. Inter alia, the issues to be assessed are:

- Is there a need for a new Scientific/professional journal under the umbrella of FIG while taking into account the other existing professional journals?
- Will it have a negative effect on the current channel of full peer-review submission of papers to the annual FIG event? Alternatively, will it have a positive affect by improving the quality of the submitted papers to the annual symposia?
- How can we compete with other existing journals?
- How we will get enough high-quality papers for the journal?
- How we will be able to motivate our academic and professional members to submit their research/papers to the new journal?
- An e-journal vs. printed journal - what are the implications of each one of the two alternatives?
- Open-access?
- What international impact such a move will have?
- Will it motivate delegates/members with poor-means that cannot participate in events – to contribute and be heard?
- What is the procedure and how long will it take for the journal to be indexed in citation databases (Scopus, ISI)?
- What are the financial implications – if any -of establishing the journal?

## **3. FOCUS/THEMES**

To discuss and analyze the issues listed in the previous chapter, and structure the way ahead and to bring recommendations to the GA in FIGWW' 2016 in Christchurch, NZ.

## **4. COMPOSITION OF TASK FORCE**

6 members: Prof. Dr. Yerach Doytsher; VP Prof. Dr. Pengfei Cheng; VP Prof. Dr. Rudolf Staiger; Prof. Dr. Charalabos Ioannidis; 2 more TBD

## **5. PROPOSED WORK PROGRAMME**

- 03/2015 - FIG council decision; Task Force is established
- 05/2015 – the TF will be presented in the FIGWW'2015 GA
- 06-12/2015 - relevant data to be collected, discussions among the TF members via emails

- 01-02/2016 - optional - face to face meeting of the TF members (probably at a council meeting)
- 02-03/2016 – preparing of final report and recommendations
- 03/2016 - FIG council decision on the report
- 05/2016 - the report and recommendations to be presented at the GA in Christchurch for acceptance

## **6. OUTCOME**

A summarized report and recommendations on the following:

- Report on the proven necessity
- Procedures to be followed for the establishment of the journal
- Necessary costs (for the establishment and annually in future)
- Times (time schedules of all steps and expected achievements)
- Responsibilities
- Action plan for the speeding of the procedure and the increased participation e.g., engagement of potential authors, FIG members, etc.

## **7. CHAIR**

Prof. Dr. Yerach Doytsher

**2015 GENERAL ASSEMBLY  
FINANCIAL ISSUES (INCLUDING 2014 ACCOUNTS, 2015-18 BUDGETS AND 2017  
SUBSCRIPTIONS)**

## **1. Introduction**

This paper provides the General Assembly with an update on FIG's financial progress in 2014, the Council's amended proposed budgets for 2015-17 and an indicative budget for 2018, and other financial matters.

The General Assembly is asked to:

- Adopt the audited 2014 Accounts at Annex A, noting that the audited accounts are in the form of the template approved at the 2009 General Assembly (and provided again at Annex B)
- Approve an increase of the IT reserve with €25,000 to €50,000
- Endorse the budgets for 2015-18, at Annex C to the General Assembly agenda, noting that there is budgeted a General Reserve that over the following 4 years will be below the agreed 90-100% of regular annual expenditure and therefore not following the otherwise agreed key measure 3
- Approve member association subscription levels for 2017, set out in section 5 of this paper.

## **2. A commentary on FIG income and expenditure for 2014**

### **Income**

Although 2014 was yet another challenging year with an unstable global economic situation Council and FIG Office continued prudent and cost containment measures resulting in a €25,418 surplus against a budgeted deficit of €19,750; a result around €45,000 higher than budgeted.

Income from membership subscriptions was largely in line with budget. It must be taken into consideration that the budget was based on the result 2013 which showed a larger decrease from earlier years. This is mainly due to the fact that several member associations are struggling nationally and are experiencing declining individual membership numbers. The General Assembly is to note that general subscription revenue has declined in recent years, in particular for member associations and corporate members. In 2014 the subscription revenue for Corporate Members is however slightly higher than budgeted. The income for Academic Members is lower, however as budgeted, because of a change in the subscription fee for Academic Members. Instead of paying a yearly fee of €250 the Academic Members got the possibility to pay €500 for a 4 year period counting for 2014-2017 (50% discount). This means that the next time the Academic Members will be invoiced will be in 2018. The income is spread equally over the four years. Expulsions from membership, a step only taken as a last resort, after repeated attempts to contact the member and recover arrears, and members who resigned were unfortunately higher than budgeted in 2014. Some members were also given the new suspended status, introduced in 2014, which is given for one year at a time to members who are facing internal civil strife and instability or external economic sanctions.

In 2012 a new accounting provision for doubtful debt from subscriptions income was introduced. This was implemented on the recommendation of the auditors, and in line with good financial management practices. FIG Council decided in 2014 to continue this new and more prudent (or conservative) approach but in line with the amount from 2013. The approach should render FIG's finances in the future less vulnerable. This current approach will be maintained going forward.

Arrears at the end of 2014 were remarkably higher than the previous year. In 2013 subscription arrears amounted to €135,987.65 and in 2014 €153,819.05 which is far too high (and back to the level in earlier years. Arrears solely for the current year (2014) were €109,147.15 which is much higher than the 2013 amount €74,546.30. Part of this can be explained by the changed invoicing method to Academic Members. An interesting thing is that the 2014 arrears are higher than normally, but the older arrears (2011, 2012 and 2013) are in total much lower than otherwise seen in the later years. Council again requests all members to pay their membership subscription promptly. The size of the arrears again meant that a significant portion of FIG's reserve holdings is being used to fund FIG cash flow.

Financial income was in 2014 lower than 2013 primarily caused by the prevailing low interest rate regime, which is expected to persist. Today several of the FIG accounts give 0 % interest. One so called high interest account (giving only 0.4%) where money is bound in a fixed period (1-3 years) expired during the year and FIG Council decided that this amount should not be reinvested, both due to the cash flow and also due to the fact that FIG savings should not be invested in financial instruments if there would be any risk to FIG's funds. Therefore the amount has stayed on our daily account at 0% interest (currently the Danish National Bank has negative interest rates).

Income from the services provided to FIG events was slightly higher than budget. This year the Local Organisers for the Congress 2014 agreed with FIG office to defray a sizeable amount of expenses incurred by FIG Office in relation to the Congress which enabled the result to exceed the budgeted amount.

Overall, income was almost €19k below budget.

## **Expenditure**

Office costs were below budget due to a careful handling of expenditure. Even a move of the FIG Office to other rooms was handled with no extra costs. Last year there was an unfavourable exchange US\$/€ rate and also that of US\$/DKK which had a negative impact on the 2013 result. This year the opposite happened, which had a positive impact on the accounts. FIG Office will continue its careful cost management. In total there was a savings on administration amounting to €10,5k towards the budget.

Marketing and publications shows a savings of €6k towards the budget although FIG could present 7 new FIG publications during 2014 as well as some other publications. The main reason for the savings was low printing costs in Finland and external support.

The grants to Commission chairs were paid in line with the levels agreed by the General Assembly. All requests from Task Force and Network chairs for support and from Commission chairs for specific support were carefully reviewed prior to any decision. There were no applications for support for poor Member Associations.

Council and executive management costs were almost €8k below budget. This was realised through continuing care and control of travel and meeting costs. The President has been careful when travelling, covering a number of destinations and events in one trip and has accomplished many trips and visits. Some of the travels were partially covered by external sources. It is important also to note that, in many instances, travel by Council members were partially or fully covered by Council members' employers, member associations or by the event hosts. FIG is very grateful for this support, which allows Council members to maintain close contact with its membership and partners during the year.

Regular expenditure was €24k less than budgeted. Overall, the surplus of regular income over regular expenditure was €5.7k better than budgeted and showed a small surplus of €6,498.

Developmental expenditure was carefully monitored against the overall financial position, with monthly updates being produced by the Office, and quarterly reports. There were also a substantial unbudgeted income from collaborative activities with partners. FIG Office commenced an IT developmental process in 2013 that continued in 2014. €15k was budgeted for IT/Web development of which 2/3 was spent mainly due to time constraints which resulted in a slower process. The work continues in 2015.

The final result 2014 was a surplus of €25,418 against a budgeted deficit of €19,750.

At the end of year, FIG's total reserve stood at €524,129, 113% of regular annual expenditure. The general reserve was 107%.

### **3. Budgets 2015-18**

Annex C to this paper presents proposed revised budgets for 2015, 2016 and 2017 and a proposed budget for 2018. This is to adhere to the requirement for a 4-years ahead budget (decision at the 2009 General Assembly).

#### **Key considerations in constructing the budget**

Council's overriding consideration when preparing the budget was to be as realistic as it has to be, particularly with its forecast since it is a 4-year forward budgeting process. In this regard Council is very mindful of the two key, ongoing risks to the budget:

- Council has (as described below) reviewed risks from events, and developed models to address these risks, however still there will be a risk to include a conference income in the regular income
- potential risks around the level of income from subscriptions in the on-going economic situation. Council has recognised this risk in the revised accounting approach for the provision of doubtful debt from subscriptions, but the levels of arrears show that it remains a significant area of concern

#### **Budgets**

Council seeks to ensure a sustainable, effective and efficient Federation. Budgets have therefore been revised to reflect the current realities. When income is forecasted to decline, this has to be balanced by corresponding efforts to reduce operating and developmental costs.

The key changes to the budgets approved at the 2014 General Assembly are:

- Subscriptions are held close to the 2014 final result in light of resignations and 2015 invoiced figures although membership development is an important focus of the FIG office especially focusing on attracting new corporate members;
- FIG Council has a special focus on corporate members and how to sustain and attract corporate members in order to increase income and to mutually benefit from each other;
- DdL's office rental support to FIG will progressively end in 2016 and thereafter, FIG will pay office rental in full, thus increasing the cost of office rental;
- Returns from events depends on the cost and financing model agreed with LoC and hence for the following years, it has been revised accordingly;
- Administrative costs have been further reduced wherever possible;
- Council and executive management costs are reviewed in the light of activities anticipated for the year;
- IT developmental activity budgets recognized the significant work that is required to upgrade and update FIG's IT infrastructure and systems.

As in previous years, every effort has been made to base the budget on information available as well as to forecast income and expenditures realistically. This is particularly important given the overall economic situation.

Council remains cognizance of the three key financial measures when preparing the budget:

- Key measure 1: there must be a surplus of regular income over regular expenditure each year;
- Key measure 2: there must be an overall surplus over the 4-year Council period;
- Key measure 3: the general reserve must remain within the level of 90-100% of regular expenditure.

Council is aware that key measure 3 is in the budget not met for the period 2015-2018. Council has decided not to increase membership fees but hope with an increased effort to attract more corporate members which will improve the result and also key measure 3. The approach and the effect will be evaluated in 2016. Another reason is the increase of the IT reserve. Council has however decided that it is important to have a reserve for IT outside the general budget in case IT upgrading is necessary.

### **Staffing**

Current staffing of the FIG Office is:

- FIG Manager (Louise Friis-Hansen) responsible for general management, developmental/strategic tasks, oversight of administration, finances, events, membership matters (particularly in relation to corporate members), council/commission matters, IT, communication and Foundation secretariat duties
- FIG Office and Events Coordinators (Claudia Stormoen (full time) Hanne Elster (80%)) responsible for membership administration, website maintenance, communication tasks, detailed planning and organisation of FIG events, and Foundation administration etc
- FIG bookkeeper (Maria Bargholz, part time) responsible for financial administration.

## **Organisation of events**

The Council and FIG Office have over the last couple of years worked on various concepts for conferences that will ensure that FIG's annual event remains not only the flagship event of FIG but a global forum for FIG's membership, partners and stakeholders. Over the past years, FIG has developed the following operating models for its annual events:

- FIG will handle the overall programme, the technical programme, keynote speakers, international registrations, the website, and international exhibitors; and
- The local organisers will handle the contact with the venue; hotels; the local exhibition; local registrations; social events; technical tours; and social tours.

FIG will be reimbursed a fixed sum for its handling, coordination and organization workload for each event. We believe that the models and arrangements provide a sound basis for future conferences, and provide an appropriate balance between FIG and local input and expertise.

FIG Office spends a considerable amount of time on the organisation and preparations of FIG events. FIG Office and Council have evaluated that it is a rewarding investment and gives a possibility to get closer to the individual persons that are related to FIG members.

## **IT Development**

FIG Council initiated an IT Development Project in 2013 and FIG Office has researched how to implement the IT Development Project.

The project has three phases:

1. Web site (IT platform and design)
2. Events software
3. FIG Database

Phase one will be finalised in first half of 2015, and phase two and three will be finalised in 2015/16.

A development sum is reserved in the budgets for the years 2015-2018, and the established IT reserve secures that if needed there is extra funds which will not affect the result of the years concerned.

### **4. FIG Reserves**

As is shown in Annex C, the FIG general reserve at the end of 2014 was 107% of regular annual expenditure. This is above the 90-100% agreed by the 2009 General Assembly. As a 4-year average the general reserve was 108% (the reserve percentage is calculated using an average of four years' regular annual expenditure, as agreed at the 2012 General Assembly).

Council has retained the €25,000 events reserve, for the reasons set out in detail in the Finance Paper to the 2012 General Assembly. In essence, this recognises the risk of organising events, particularly in the current economic climate. Council suggests that the reserve will be maintained at €25,000.

In 2013 Council introduced a new reserve for IT, recognizing that an effective IT Policy and Infrastructure is vital to FIG going forward and €25,000 was reserved in the 2013 accounting. IT can be large investments, and could be difficult to provision from normal yearly budget. Due to

the fact that the General Reserve is over 100% Council is proposing to increase the IT reserve with €25,000 to €50,000. Still the current 4 year average is over 100%. In case larger IT investments are needed there will be the funds to cover this, and the yearly budget will not be affected.

The reserves are held in low risk investments and on bank accounts, in line with the policy agreed by the General Assembly. Any transfer of the reserves requires approval by two persons, one of whom being the Council member responsible for finance and administration.

## 5. Subscriptions 2017

The 2014 General Assembly approved membership fees as follows:

Year	Per capita fee	Minimum fee	Maximum fee
2016	€4.48 per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay €2.24 member up to a maximum of 5,500 members.	20 members or €50 (whichever is greater)	5,500 members (€24,640)

The 2016 subscription fees were kept at the same level as for the years 2012-2015. The Council 2011-14 had to suggest subscription fees up to 2016, however they recognised that there would be a change in leadership and the subscription fees is dependent on the strategies of the council 2015-18.

Although the budgets 2017 and 18 show a deficit, Council is also conscious of the economic condition that members are operating under and in particular member's challenges with their national membership and budgets. Council wishes to respect this as well and both Council and FIG Office will continue to be prudent in its financial management. Council therefore proposes the level of subscription for member associations for 2017 to remain at the same level as in the previous years. Council has initiated a work on how to attract corporate members and the hope is to increase the fees received by corporate members to limit the deficit or turn it into a positive result. FIG Council will evaluate after a year how this work develops, and if the work on corporate members does not show positive effect, Council suggests reconsidering the membership fee for 2017 at the General Assembly in 2016.

Year	Per capita fee	Minimum fee	Maximum fee
2017	€4.48 per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay €2.24 member up to a maximum of 5,500 members.	20 members or €50 (whichever is greater)	5,500 members (€24,640)

## **6. Conclusion**

Council continues to monitor and manage its finances prudently and believes that the budget proposed is realistic. Council is aware that key measure 3 is not kept in the budget, but a more positive figure can be the result of a focus on corporate members. Council will allow appropriate decisions to be made on levels of operational and developmental expenditure, to ensure the continuing sustainability, efficiency and effectiveness of FIG. Council thanks all members who have paid the annual membership fees promptly.

Rudolf Staiger  
Vice President

Michael Vejgaard Hansen

Carsten Johnsen

Poul Wisniewski

Erik Munk

## **The International Federation of Surveyors - FIG**

Kalvebod Brygge 31-33

DK-1780 Copenhagen V

(Registration No. 21 33 60 76)

### **Financial Statements for 2014**



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## **Statement of the Management and the Council**

Today the management have discussed and approved the Financial Statements for 1 January - 31 December 2014.

The Financial Statements have been presented in accordance with the generally accepted accounting principles of associations.

In our opinion the Federation and Foundation's financial statements give a true and fair view of the Federation and Foundation's financial position at 31 December 2014.

We recommend the Financial Statements to be approved at the annual general assembly.

Copenhagen, 11 February 2015

### **FIG Manager**

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Louise Friis-Hansen

### **Council**

---

Chryssy A Potsiou  
President

---

Rudolf Staiger  
Vice President

---

Diane Dumashie  
Vice President

---

Bruno Razza  
Vice President

---

Cheng Pengfei  
Vice President

The annual financial report is submitted for approval at the general assembly on / 2015

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Chryssy A Potsiou

## **Independent Auditor's Report**

### **To the members of The International Federation of Surveyors - FIG**

We have audited the Financial Statements of The International Federation of Surveyors and the FIG Foundation for 1 January to 31 December 2014, which comprise summary of significant accounting policies, income statement and balance sheet. The Financial Statements are prepared in accordance with generally accepted accounting principles of associations.

### **The management and the Council's Responsibility for the Federation and the Foundation's Financial Statements**

The Management and the Council are responsible for preparation of Financial Statements that give a true and fair view in accordance with generally accepted accounting principles of associations and for such internal control as the Management and the Council determines is necessary to enable the preparation of Financial Statement that are free from material misstatement, whether due to fraud or error.

### **Auditor's Responsibility and Basis of Opinion**

Our responsibility is to express an opinion on the Financial Statements based on our audit. We conducted our audit in accordance with International Standards on Auditing and additional requirements under Danish Audit regulation. This requires that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Financial Statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatements of the Financial Statement, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of Financial Statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the Management and the Council, as well as the overall presentation of the Financial Statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

The audit has not resulted in any qualification.

*CONTINUED ON THE NEXT PAGE*

## **Independent Auditor's Report (fortsat)**

### **Opinion**

In our opinion, Financial Statements give a true and fair view of the Federation and Foundation's financial position at 31 December 2014 and of the results of the operations for the financial year 1 January to 31 December 2014 in accordance with accepted accounting principles of associations.

Roskilde, 11 February 2015

**ERIK MUNK**  
Statsautoriseret Revisionsaktieselskab  
Ringstedvej 71, DK-4000 Roskilde

Carsten Johnsen  
State Authorized Public Accountant

## **Federation Information**

### **Federation**

The International Federation of Surveyors - FIG  
Kalvebod Brygge 31-33  
DK-1780 Copenhagen V

Telephone: +45 38 86 10 81

Internet: [www.fig.net](http://www.fig.net)

E-mail: [fig@fig.net](mailto:fig@fig.net)

Registration No. 21 33 60 76

Registered in: Copenhagen

Financial year: 1 January to 31 December

### **Council**

Chryssy A Potsiou

Rudolf Staiger

Diane Dumashie

Bruno Razza

Cheng Pengfei

### **FIG Manager**

Louise Friis-Hansen

### **Auditor**

Erik Munk, statsautoriseret revisionsaktieselskab

State Authorized Public Accountant

Ringstedvej 71

DK-4000 Roskilde

Denmark

## **Accounting policies**

This Annual Financial Statement has been prepared in accordance with generally accepted accounting principles of associations.

The accounting policies applied for the Financial Statements are consistent with those applied last year.

### **Recognition and measurement overview**

Income is recognised in the income statement when earned, where as costs are recognised by the amounts attributable to this financial year. Value adjustments of financial assets and liabilities are recognised in the income statements as financial income or financial expenses. Also depreciations are recognised in the income statement.

Assets are recognised in the balance sheet when it is probable as a result of a prior event that future economic benefits will flow to the Federation, and the value of the asset can be measured reliably.

Liabilities are recognised in the balance sheet when it is probable that future economic benefits will flow out of the Federation, and the value of the liability can be measured reliably.

On initial recognition, assets and liabilities are measured at cost. Measurement subsequent to initial recognition is effected as described below for each financial statement item.

Anticipated risks and losses that arise before the time of presentation of the Financial Statements and that confirm or invalidate affairs and conditions existing at the balance sheet date are considered at recognition and measurement.

## **Income Statement**

### **Income and expenses**

Items of income or expenses are stated within the period to which they relate irrespective of the payment date.

## **Balance Sheet**

### **Deposits**

Deposits are measured at nominal value.

### **Receivables**

Receivables are measured at amortised cost, usually equalling nominal value less provisions for bad debts.

Prepayments comprise costs incurred relation to the subsequent financial year.

### **Stocks**

Stocks are measured at cost price.

## **Accounting policies**

### **Investments funds**

Investment funds are measured at quoted market price.

### **Current liabilities**

Current liabilities are measured at amortized cost, which corresponds to nominal value.

### **Foreign currency translation**

On initial recognition, foreign currency transactions are translated applying the exchange rate at the transaction date. Exchange differences that arise between the rate at the transaction date and the one in effect at the payment date or the rate at the balance sheet date are recognised in the income statement as financial income or financial expenses.

Receivables, payables and other monetary items denominated in foreign currencies that have not been settled at exchange rate on the balance sheet date and the transaction date is recognised in the income statement as financial income or financial expenses.

## Income Statement for 1 January - 31 December 2014 for The International Federation of Surveyors - FIG

	<u>2014</u>	<u>2013</u>
	<i>EURO</i>	<i>EURO</i>
<b>Regular Income</b>		
Member associations.....	259.444	260.146
Affiliate members.....	28.880	25.460
Corporate members.....	80.990	77.893
Academic members.....	11.000	20.750
Less bad debts.....	(38.041)	(20.775)
Less change in provision for doubtful debts.....	0	(10.937)
	<u>342.273</u>	<u>352.537</u>
Financial income.....	2.993	4.399
Less banking costs.....	(616)	(763)
Events, fees charged for services.....	<u>81.910</u>	<u>80.000</u>
<b>Total Regular Income</b>	<u><b>426.560</b></u>	<u><b>436.173</b></u>
<b>Regular Expenditure</b>		
<i>Administration</i>		
Office costs.....	(162.488)	(159.757)
Outsourced office costs.....	(42.466)	(35.726)
	<u>(204.954)</u>	<u>(195.483)</u>
Marketing and publications.....	(28.947)	(19.930)
Council and executive management.....	(153.161)	(180.876)
<i>Commission support</i>		
Regular grants.....	(30.000)	(30.000)
Regular grants, Young Surveyors Network.....	(3.000)	(3.000)
	<u>(33.000)</u>	<u>(33.000)</u>
<b>Total Regular Expenditure</b>	<u><b>(420.062)</b></u>	<u><b>(429.289)</b></u>
<b>Deficit of Regular Income/Regular Expenditure</b>	<u><b>6.498</b></u>	<u><b>6.884</b></u>

**Income Statement for 1 January - 31 December 2014 for The International Federation of Surveyors - FIG**

	<u>2014</u>	<u>2013</u>
	<i>EURO</i>	<i>EURO</i>
<b>Result brought forward</b>	<u>6.498</u>	<u>6.884</u>
<b>Projects, events - funds recived by FIG</b>		
Congress/Working Week.....	5.000	5.902
Other events.....	<u>26.684</u>	<u>14.144</u>
	<b><u>31.684</u></b>	<b><u>20.046</u></b>
<b>Development spend</b>		
IT and web development.....	(9.860)	(15.440)
Task Force support.....	(2.904)	(547)
Support to poor member associations.....	0	(2.649)
Specific grants for Commissions.....	<u>0</u>	<u>(2.556)</u>
	<b><u>(12.764)</u></b>	<b><u>(21.192)</u></b>
<b>Final Result (Deficit)</b>	<u><b>25.418</b></u>	<u><b>5.738</b></u>

## Balance Sheet at 31 December 2014 for The International Federation of Surveyors - FIG

<u>Assets</u>	<u>2014</u> <i>EURO</i>	<u>2013</u> <i>EURO</i>
<b>Current assets:</b>		
Receivables:		
Receivables from members.....	80.942	84.345
Other receivables.....	9.524	7.948
Receivable VAT.....	5.506	1.557
Merchandise.....	1.825	7.318
Investments funds.....	216.178	218.359
Cash at hand and bankaccounts.....	549.004	532.483
<b>Total current assets</b>	<b>862.979</b>	<b>852.010</b>
<b>Total assets</b>	<b>862.979</b>	<b>852.010</b>
<b><u>Equity and liabilities</u></b>		
<b>Equity:</b>		
Equity at the beginning of the year.....	498.710	492.972
Retained earnings.....	25.418	5.738
<b>Total equity</b>	<b>524.128</b>	<b>498.710</b>
<b>Liabilities:</b>		
Projects in progress.....	0	55.170
Deferred income.....	30.700	0
Account payable, The FIG Foundation.....	225.117	222.758
Other debt.....	83.034	75.372
<b>Total liabilities</b>	<b>338.851</b>	<b>353.300</b>
<b>Total equity and liabilities</b>	<b>862.979</b>	<b>852.010</b>

## Income Statement for 1 January - 31 December 2014 for the FIG Foundation

	<u>2014</u>	<u>2013</u>
	<i>EURO</i>	<i>EURO</i>
<b>Donations</b>		
Personal donations.....	1.818	1.032
Other donations.....	11.092	7.272
FIG Conferences.....	27.172	25.000
Financial income.....	2.321	1.863
	<b>42.403</b>	<b>35.167</b>
<b>Expenses</b>		
Grants.....	(39.940)	(21.981)
	<b>(39.940)</b>	<b>(21.981)</b>
	<b>2.463</b>	<b>13.186</b>
<b>Final Result (Deficit)</b>	<b>2.463</b>	<b>13.186</b>

## Balance Sheet at 31 December 2014 for The FIG Foundation

	<u>2014</u>	<u>2013</u>
	<i>EURO</i>	<i>EURO</i>
<b><u>Assets</u></b>		
<b>Current assets:</b>		
Receivables:		
Account receivable, FIG.....	225.117	222.758
Other receivables.....	1.156	1.156
Cash at hand and bankaccounts.....	<u>5.567</u>	<u>5.463</u>
<b>Total current assets</b>	<b><u>231.840</u></b>	<b><u>229.377</u></b>
<b>Total assets</b>	<b><u><u>231.840</u></u></b>	<b><u><u>229.377</u></u></b>
<b><u>Equity and liabilities</u></b>		
<b>Equity:</b>		
Equity at the beginning of the year.....	228.377	215.191
Retained earnings.....	<u>2.463</u>	<u>13.186</u>
<b>Total equity</b>	<b><u>230.840</u></b>	<b><u>228.377</u></b>
<b>Liabilities:</b>		
Other debt.....	<u>1.000</u>	<u>1.000</u>
<b>Total liabilities</b>	<b><u>1.000</u></b>	<b><u>1.000</u></b>
<b>Total equity and liabilities</b>	<b><u><u>231.840</u></u></b>	<b><u><u>229.377</u></u></b>

**FIG FINANCIAL RESULTS 2013 and 2014**

version of 31-12-2014

**ANNEX B**

	<b>Result 2013</b>	<b>Budget 2014</b>	<b>Result 2.014</b>	<b>Notes</b>
	€	€	€	
<b>REGULAR INCOME</b>				
<b>Subscriptions</b>				
Member associations	260.145	260.000	259.444	
Affiliate members	25.460	28.000	28.880	
Corporate members	77.893	77.000	80.990	
Academic members	20.750	10.500	11.000	a
Less bad debts	20.775	15.000	38.041	b
Less change in provision for doubtful debts	10.937	-	-	c
	<b>352.536</b>	<b>360.500</b>	<b>342.273</b>	
<b>Financial income</b>	4.399	5.000	2.993	d
Less banking costs	763	250	616	e
Advertising income	-	-	-	
<b>Events - fees charged for services</b>	80.000	80.000	81.910	f
<b>Total regular income</b>	<b>436.172</b>	<b>445.250</b>	<b>426.560</b>	
<b>REGULAR EXPENDITURE</b>				
<b>Administration</b>				
Office costs	159.756	173.500	162.488	g, h, i
Outsourced office costs	35.726	42.000	42.466	j
	<b>195.482</b>	<b>215.500</b>	<b>204.954</b>	
<b>Marketing and publications</b>	<b>19.930</b>	<b>35.000</b>	<b>28.947</b>	
<b>Council and executive management</b>	<b>180.876</b>	<b>161.000</b>	<b>153.161</b>	k
<b>Commission support</b>				
Regular grants	30.000	30.000	30.000	
Regular grants - Young Surveyors Network	3.000	3.000	3.000	
	<b>33.000</b>	<b>33.000</b>	<b>33.000</b>	
<b>Total regular expenditure</b>	<b>429.288</b>	<b>444.500</b>	<b>420.062</b>	
<b>Surplus/deficit of regular income over regular expenditure</b>	<b>6.884</b>	<b>750</b>	<b>6.498</b>	
<b>PROJECTS</b>				
<b>Events - funds received by FIG</b>				
Congress/Working Week	5.902	5.000	5.000	f
Regional Conference	-	-	-	
Other events and projects	14.144	5.000	26.684	l
	<b>20.046</b>	<b>10.000</b>	<b>31.684</b>	
<b>Development spend</b>				
Task Force support	547	6.000	2.904	m
IT and web - developmental activity	15.440	15.000	9.860	m
Support for poor Member Associations	2.649	2.000	-	m
Specific grants for commissions	2.556	7.500	-	m
	<b>21.192</b>	<b>30.500</b>	<b>12.764</b>	
<b>RESULT</b>				
<b>Overall surplus/deficit in the year - normal activities</b>	<b>5.738</b>	<b>-19.750</b>	<b>25.418</b>	
<b>Reserves</b>				
Events reserve	498.711		524.129	
	25.000		25.000	
	25.000		50.000	
General reserve	<b>448.711</b>		<b>449.129</b>	
General reserve as a % of regular annual expenditure	105%		107%	
Total reserve as a % of regular annual expenditure	116%		125%	

**Notes**

- a) Lower than earlier due to changed fee structure for Academic Members
- b) higher due to higher number of expelled members
- c) In 2012 we introduced a provision for bad debt and continued this prudent provision at the same level as in 2013, therefore no change in 2014.
- d) Council decision not to invest and to expose FIG to a financial risk. The normal accounts today give zero interest.
- e) Members are asked to cover banking fees when paying membership fee. FIG Office has decided to write off smaller banking arrears instead of having these small amounts on the arrears list, and therefore
- f) The Local Organisers for the Congress 2014 agreed with FIG Office to defray a sizeable amount of expenses incurred by FIG Office in relation to the Congress which enabled the result to exceed the budgeted amount
- g) During 2014 FIG office moved to other premises within the same building. In the budgeting phase the final rent was not settled. Furthermore FIG has agreed with DdL over a 3 year period to increase the rent
- h) Prices for postal services have increased significantly, and there have been many shipments with publications. The minutes to members included several publications.
- i) FIG office managed to move office rooms without any extra costs for equipment etc.
- j) Higher due to an extra unexpected visit by the external auditors
- k) Council travel is much lower than budgeted. There are two reasons for this. First, the president has been very careful when travelling, both economically and wise, while still able to cover many destinations
- l) Unbudgeted incomes from other events are related to project handling fees received.
- m) All requests have been met.



	GA 2014 Budget 2014	Notes	GA 2012 Budget 2014	GA 2013 Budget 2014	Revised Budget 2014	Final 2014 result	Notes	GA 2012 Budget 2015	GA 2013 Budget 2015	GA 2013 Budget 2015	GA 2013 Budget 2015	Notes	GA 2013 Budget 2016	GA 2013 Budget 2016	GA 2013 Budget 2016	Notes	GA 2013 Budget 2016	GA 2013 Budget 2016	GA 2013 Budget 2016	Notes
<b>PROJECTS AND DEVELOPMENT</b>																				
<b>Events - funds received by FIG</b>																				
Congress/Working Week - share	5.902	e	45.000	-	5.000	5.000	e	20.000	-	-	-	e	-	-	-	e	-	-	-	e
Regional conferences	-		-	-	-	-		-	-	-	-	g	-	-	-	g	-	-	-	g
Other events	14.144	j	-	-	10.000	26.684	j	-	-	-	-	j	-	-	-	j	-	-	-	j
Commission events	-		-	-	-	-		-	-	-	-		-	-	-		-	-	-	
	<b>20.046</b>		<b>45.000</b>	<b>-</b>	<b>15.000</b>	<b>31.684</b>		<b>20.000</b>	<b>-</b>	<b>-</b>	<b>-</b>		<b>-</b>	<b>-</b>	<b>-</b>		<b>-</b>	<b>-</b>	<b>-</b>	
<b>Developmental income</b>																				
	-		-	-	-	-		-	-	-	-		-	-	-		-	-	-	
<b>Developmental spend</b>																				
Task Force support	547		12.000	6.000	6.000	2.904	k	12.000	6.000	5.000	5.000	k	6.000	5.000	5.000	k	5.000	5.000	5.000	k
IT and web - developmental activit	15.440	h	5.000	15.000	15.000	9.860	h	5.000	15.000	10.000	10.000	h	5.000	10.000	10.000	h	10.000	10.000	10.000	h
Support for poor Member Associa	2.649		2.000	2.000	2.000	-		2.000	2.000	2.000	2.000		2.000	2.000	2.000		2.000	2.000	2.000	
Specific grants for Commissions	2.556		7.500	7.500	7.500	-		5.000	5.000	5.000	5.000		5.000	5.000	5.000		5.000	5.000	5.000	
	<b>21.192</b>		<b>26.500</b>	<b>30.500</b>	<b>30.500</b>	<b>12.764</b>		<b>24.000</b>	<b>28.000</b>	<b>22.000</b>	<b>22.000</b>		<b>18.000</b>	<b>22.000</b>	<b>22.000</b>		<b>22.000</b>	<b>22.000</b>	<b>22.000</b>	
<b>RESULT</b>																				
Overall surplus/deficit in the year - norma	5.738		22.750	-750	-14.750	25.418		1.750	-7.250	-19.000	-23.000		-4.750	-19.500	-22.000		-9.000	-25.250	-10.500	
<i>[Key measure 2 - this to be positive in total over the term of the 4 year budget period]</i>																				
<b>Exceptional items</b>																				
<b>Total reserves at year end</b>																				
General reserve	498.711		515.802	497.961	483.961	524.129		517.552	490.711	464.961	460.961		485.961	445.461	438.961		436.461	413.711	403.211	
Events reserve	448.711		465.802	472.961	433.961	449.129		467.552	465.711	414.961	385.961		460.961	395.461	363.961		386.461	338.711	328.211	
IT Development Reserve	25.000	m	50.000	25.000	25.000	25.000	m	50.000	25.000	25.000	25.000	m	25.000	25.000	25.000	m	25.000	25.000	25.000	m
	25.000				25.000	50.000	n			25.000	50.000	n			50.000	n			50.000	n
Total reserves as a % of regular (t	117%		121%	101%	128%	113%		114%	114%	110%	107%		113%	105%	102%		103%	97%	94%	
General reserve as a % of regular	105%	l	109%	95%	116%	108%	l	103%	108%	98%	90%	l	107%	93%	85%	l	91%	79%	77%	
General reserve as a % of regular	105%		93%	91%	111%	107%		101%	110%	101%	93%		107%	95%	86%		92%	78%	74%	
<i>[Key measure 3 - this to be within the range 90-100%]</i>																				

**Notes:**

- a Decrease in number of members in particular, member associations; application of new subscription framework for academic members; level of subscription held at 2014 level
- b Estimate based on anticipated expulsions; global financial situation requires to keep expulsions higher
- c Interest rates forecast to remain lower
- d Provided for 'old' banking fees not paid that are written off
- e As agreed based on revised model for events organization
- f Based on estimated level of engagements and activities for the year
- g Assumed no regional conference in 2015 but one in 2016
- h Major platform change plus subsequent enhancements to the system
- i Current level of office staffing remains for the period
- j Provision of returns for administrative backstopping for collaborative activities
- k A provision to support task force activities
- l Currently required to be in 90-100% range
- Note that the formula allows for the cycle of expenditure over a 4-year period as the reserve is divided by the annual average expenditure over 4 years (2011-14 for those years; 2013-16 for 2015 and 2016)
- m Reserve introduced in 2012
- n IT reserved introduced in 2013 and increased in 2014

# Dublin's bid to host **FIG Working Week 2019**



**Dublin**  
CONVENTION BUREAU



PROMOTING DUBLIN AS A WORLD  
CLASS BUSINESS DESTINATION



*Custom House Dublin*



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# MOTIVATION FOR THE BID

*Four Courts Dublin*

# MOTIVATION FOR THE BID



The motivation for the Irish bid comes on a number of levels. The Society of Chartered Surveyors Ireland, as the national association representing members across the surveying disciplines, has in recent years developed rapidly and reorganised into a vibrant professional body, with over 5,500 members, playing an active role in national development.

Ireland has a long and notable history of surveying and measurement from the carefully aligned network of hill-top monuments constructed over 5,000 years ago, to the completion of the world's first large-scale national mapping in the mid nineteenth century and, in the last decade, the National Seabed Survey that ranks amongst the largest marine mapping programmes undertaken anywhere in the world. Meanwhile, Ireland has one of the most open economies in the world and most of the major international IT companies have established bases in Ireland. At the same time, young Irish graduates can be found bringing their skills and enthusiasm to all corners of the world and, in many cases, returning home enriched professionally and culturally by their time abroad.

Ireland indeed operates beyond boundaries and yet Ireland has never hosted a major FIG event. It is the hope of the organising committee that this will be set right by the hosting of the 2019 Working Week through which the profile of surveying will be enhanced both at home and abroad.

## New Initiatives

### Intergenerational initiatives

The challenge of attracting students and young professionals into the FIG global community remains an issue for all surveying professionals. At the FIG Working Week in Ireland the 'Beyond Borders' theme aims to contribute to this challenge and enhance the intergenerational involvement of all surveyors. The power of the personal will be harnessed and developed through a mentoring system aimed at empowering young surveyors. Experienced members of the surveying community will lend their expertise via mentoring sessions with young surveyors, thus establishing a personalised professional platform upon which meaningful networking in the surveying community can be developed.

### Marine sector

The marine sector is of increasing importance worldwide for both environmental and developmental purposes. Ireland has developed a strong track record the marine sector through initiatives like the National Seabed Survey wherein an area 10 times the land area of the country has been mapped and the flora and fauna recorded. Accordingly, the marine sector will form an important thread, within the 'Beyond Borders' theme, throughout the Working Week in terms of the technical programme, the plenary sessions and the exhibition.





## FIG – Irish Legacy

Geographically, Ireland is at the gateway to Europe. Economically, Ireland is in the process of recovery from the world recession. Professionally, Ireland is at the forefront of innovation and technological advancement.

Our vision to host the FIG working week 2019 would enable us to maximise the opportunity to go Beyond Borders – geographically, economically and professionally.

As the gateway to Europe, we recognise there is an opportunity to invite our North American colleagues to avail of our proximity and encourage their involvement in FIG and in our surveying community globally.

Economically, we believe that we can offer a competitive package to delegates, and an event that would leave a lasting impression both professionally, socially and culturally.

Professionally, we recognise that many of our young professional surveyors have gone Beyond Irish Borders to secure employment and we want to ensure their awareness of our belief in them, and that they will return and share their expertise with us. Our objective to impart knowledge to young surveyors through our mentoring sessions and intergenerational campaign, aims to ensure their participation in the global surveying profession that is represented by FIG.

Ireland is known for its generosity and spirit and our Local Organising Committee's legacy aspiration is that the FIG Working Week Dublin 2019 will be known as the place to be for every professional surveyor, and one which will be recalled as one of the best. It is our ambition and we are committed to making it a success.

## Bid Summary

Dublin is delighted to submit this document as its formal bid to host the 2019 FIG Working Week.

### Dates

If our bid is successful, we propose hosting the 2019 Fig Working Week over one of the following sets of dates:

29 April - 3 May 2019

17-24 May 2019

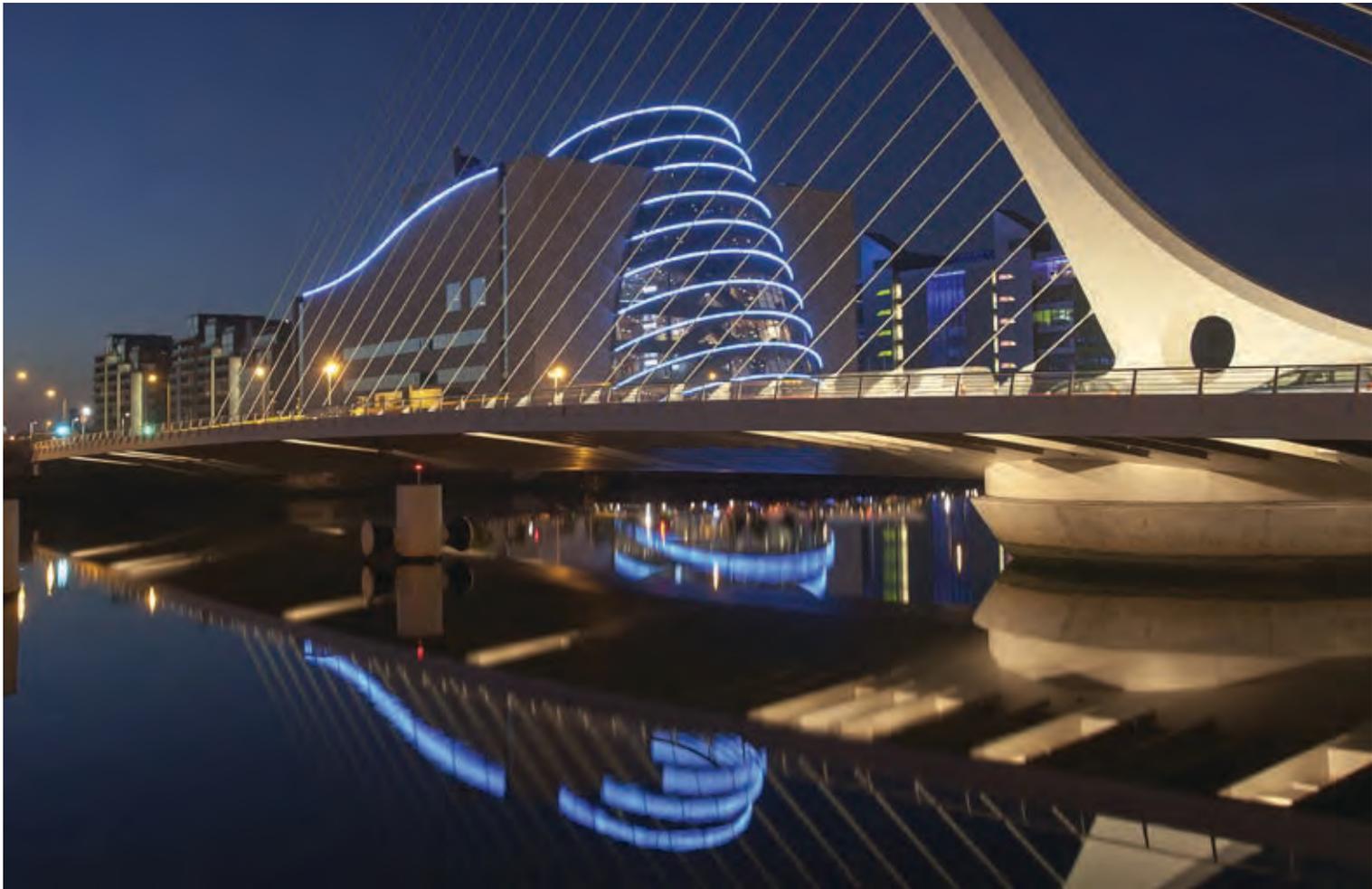
24-28 June 2019

### Proposed Venue

The Convention Centre Dublin

### Host Organisation

The Society of Chartered Surveyors Ireland.



## FIG Working Week – Conference Theme

*'Beyond Borders' reflects an aspiration towards a more inclusive surveying world.*

Ireland offers a good example of where, and how, this aspiration can be realized and may serve as template for other. The realization of the Beyond Borders theme in Ireland includes:

- Politically, there is a very close collaboration between the National Mapping Organisations on the island of Ireland and the National Mapping Organization in Great Britain.
- Socially, Irish graduates, with their enthusiasm and knowledge, can be found in all corners of the world while their peers are made welcome in Ireland, one of the most open economies in the world.

- Scientifically, Beyond Borders is exemplified in Ireland by the high profile of both the terrestrial and the marine surveying sectors, and the research underway to seamlessly merge those sectors.

The proposed theme will also be extended to the integration of Young Surveyors in activities with their more mature peers during the Working Week and the special efforts to be made to facilitate attendance by our fellow surveyors in both Africa and North America.





# LETTERS OF SUPPORT

*Government Buildings Dublin*



An Roinn Iompair  
Turasóireachta agus Spóirt

Department of Transport,  
Tourism and Sport

Príomh Oifig  
44 Sráid Chill Dara, Baile Átha Cliath 2, Éire.  
Head Office  
44 Kildare Street, Dublin 2, Ireland.

Lo-Call 0761-001 601 +353-1-670 7444  
www.dttas.ie

28 November 2014

Ms Pauline Daly  
SCSI President  
Society of Chartered Surveyors Ireland  
38 Merrion Square  
Dublin 2

Dear Ms. Daly

The Department of Transport, Tourism and Sport is responsible for supporting the growth of a competitive and sustainable tourism industry and is delighted to support the Society of Chartered Surveyors in its bid to host the International Federation of Surveyors (FIG) Working Week in Dublin in 2019.

As Minister for Transport, Tourism and Sport I am particularly pleased that Dublin and Ireland will be showcased on an international arena, highlighting the excellent conference and meeting facilities that are available in the city. I am confident that Dublin will prove to be an excellent location to ensure memorable and successful events for this prestigious conference. Please be assured of the full support from my department through the Business Unit of Fáilte Ireland.

I look forward with interest to the outcome of your bid.

Yours sincerely

---

Paschal Donohoe, T.D.  
Minister for Transport, Tourism and Sport



Ardmhéara Bhaile Átha Cliath  
Lord Mayor of Dublin  
Christy Burke

Pauline Daly,  
SCSI President,  
Society of Chartered Surveyors Ireland,  
38 Merrion Square,  
Dublin 2,  
Ireland

24<sup>th</sup> November 2014

**Re: FIG Working Week Conference 2019**

Dear Pauline,

I am delighted to support your bid to host the FIG Working Week Conference in 2019. Dublin has played host to numerous prestigious conferences and events in the past and has a very successful track record in this area.

Dublin would be an excellent choice for this international conference. It is an accessible destination and offers high level city infrastructures, world-class selection of service providers, entertainment and activities that will help ensure delegates a very pleasant stay. Dublin is an historical, cultural and literary capital of Europe and is a vibrant city to visit. I have no doubt that Dublin is the ideal location for your conference.

I look forward with interest to the outcome of your bid.

Yours sincerely,

---

**Christy Burke**  
Lord Mayor of Dublin

Ms. Pauline Daly, FRICS, FSCSI,  
President,  
Society of Chartered Surveyors Ireland,  
38 Merrion Square,  
Dublin 2,  
Ireland.

24<sup>th</sup> November 2014

Dear Ms. Daly,

I am delighted to learn of your bid to host the 2019 FIG Working Week in Dublin.

Ireland has, of course, hosted many important international education and related conferences with great success in the past and I have no doubt that a large and prestigious event such as the FIG Working Week can be held here with an excellent outcome for participants.

This is a most welcome initiative for the surveying profession in Ireland. I look forward with interest to the outcome of your application and wish you every success with your bid.

If I can be of further assistance, please do not hesitate to contact me.

Yours sincerely,



John O'Sullivan  
Commissioner of Valuation

Suirbhéireacht Gheolaíochta Éireann  
Tor an Bhacaigh  
Bóthar Haddington  
Baile Átha Cliath 4



Geological Survey of Ireland  
Beggars Bush  
Haddington Road  
Dublin 4  
Tel. +353 1 6782000  
Direct +353 1 6782798  
Fax. +353 1 6782579  
<http://www.gsi.ie>  
Email: [archie.donovan@gsi.ie](mailto:archie.donovan@gsi.ie)

**To Whom It May Concern**

**RE: Bid to host the FIG International Working Week in Dublin during 2019**

24<sup>th</sup> November 2014

Ms. Pauline Daly, FRICS, FSCSI,  
President,  
Society of Chartered Surveyors Ireland,  
38 Merrion Square,  
Dublin 2, Ireland

Dear Ms Daly,

It is with very considerable interest that we, in the Geological Survey of Ireland (GSI), learned of your bid to host the 2019 FIG Working Week in Dublin.

As a European capital city conference destination, Dublin rates highly on delegate experience and overall cost of attendance.

Please be assured that you and your colleagues have the GSI's full support in your application to host the event in 2019.

Of the ten FIG commission's lead technical work areas, the GSI would see itself as having an interest in professional practice and standards development in the majority, if indeed, all of these areas.

We look forward with interest to the outcome of your bid.

Yours sincerely,

Principal Geologist,  
Yours faithfully,

---

Archie Donovan BSc (Comp), MSc (Soft Eng), MSc (GIS)  
Joint INFOMAR Project Manager



Department of Communications, Energy and Natural Resources    Roinn Cumarsáide, Fuinnimh agus Acmhainní Nádirtha

26 November 2014

Ms. Pauline Daly. FRICS, FCSI  
President  
Society of Chartered Surveyors Ireland  
38 Merrion Square  
Dublin 2  
Ireland

**RE: Bid to host the 2019 FIG Working Week in Dublin**

Dear Ms. Daly,

I was very pleased to learn of the Society of Chartered Surveyors Ireland's bid to host the 2019 FIG Working Week in Dublin.

As Chief Executive of Ordnance Survey Ireland (OSi), the Irish national mapping agency, I am delighted to offer my full support in the bid for Dublin as the proposed venue for the 2019 FIG Working Week.

With OSi's proud history of 190 years of surveying and national mapping, OSi will assist in any way possible to ensure that the FIG Working Week in Dublin in 2019 is a resounding success.

If I can be of further assistance, please do not hesitate to contact me.

Yours sincerely,



Colin Bray  
Chief Executive Office  
& Chief Survey Officer  
Ordnance Survey Ireland



26 November 2014

Pauline Daly, President,  
Society of Chartered Surveyors Ireland,  
38, Merrion Sq.,  
Dublin 2,  
Ireland.

Dear President,

It is with very considerable interest that I learned of your bid to host the 2019 FIG Working Week in Dublin.

The Royal Institution of Chartered Surveyors is more than confident that this important and prestigious global event would be effectively managed by the local organising committee and would be a great success if held in Dublin.

Please be assured that you and your colleagues have our professional group support and the support of the RICS FIG delegation.

I look forward with interest to the outcome of your bid.

Yours Sincerely

James Kavanagh BSc(Hons) MRICS C.Geog MCInstCES  
Director Land Group (Geomatics, Environment, MWM, Rural, P&D, Telecoms)  
Tel: 0044 (0) 207 695 1598  
Email: [jkavanagh@rics.org](mailto:jkavanagh@rics.org)  
Web: <http://www.rics.org/LAND>



An tÚdarás Clárúcháin Maoine  
The Property Registration Authority

23<sup>rd</sup> November 2014

Ms. Pauline Daly,  
President, Society of Chartered Surveyors Ireland,  
38 Merrion Square,  
Dublin 2

Dear Ms. Daly,

It is with very considerable interest that I learned of your bid to host the 2019 FIG Working Week in Dublin. Both the Chief Executive, Frank Treacy and I see this as a great opportunity for the wider GI community within Ireland.

As you know Ireland has hosted many important education related conferences with great success in the past and I am confident that the important and prestigious event can be held here with results that can satisfy all expectations.

Please be assured that you and your colleagues have our full support from the Property Registration Authority

I look forward with interest to the outcome of your bid.

Yours sincerely,

Greg Mc Dermott  
Deputy Registrar Corporate Affairs

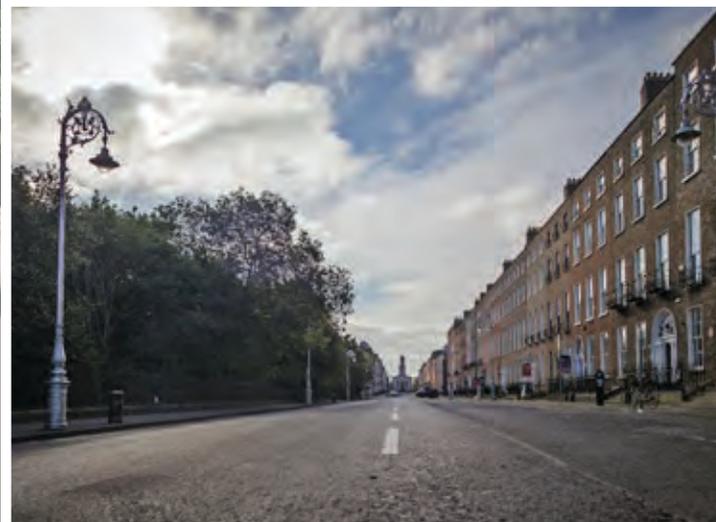
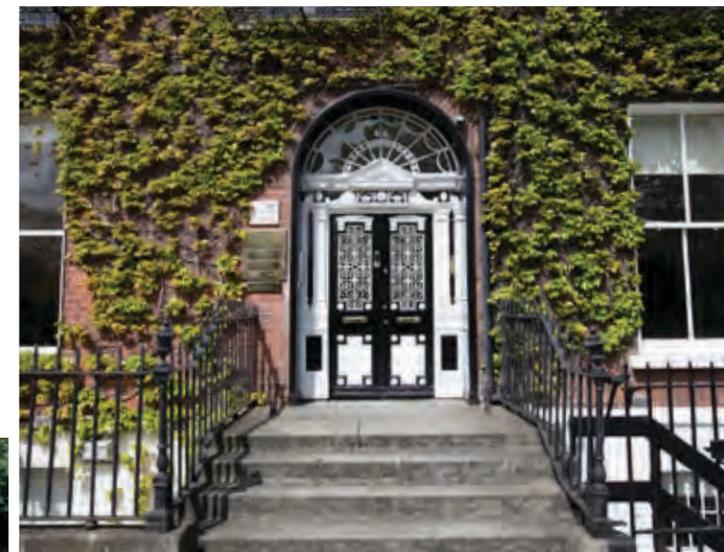
# SUPPORT FROM DUBLIN FOR THE CONFERENCE

This bid is being supported by the Department of the Taoiseach, Fáilte Ireland (the National Tourism Development Authority), the Lord Mayor of Dublin, Dublin Convention Bureau and the Irish industry suppliers. We will work with FIG to ensure that the 2019 FIG Working Week is a resounding success in terms of delegate experience.

## Dublin Convention Bureau

Dublin Convention Bureau will support FIG through a number of direct services:

- Hosted site inspection to view venues and logistics for the conference.
- Marketing support for the promotion of the conference to maximise your delegate attendance.
- Visitor maps and information to ensure your delegates can make the most of their time in Dublin when not in conference.
- Tourist information desk on first day of conference.
- Discounted Dublin Pass – the official city sightseeing card.



## Financial Support

Fáilte Ireland, Ireland's National tourism Authority, will offer FIG Working Week financial support of €10 per international delegate for the first 999 delegates attending and €20 per international delegate for each delegate over 1000 pax.



LOCAL ORGANISING COMMITTEE

*Trinity College Dublin*

# LOCAL ORGANISING COMMITTEE



## **Dr. Eugene McGovern FCSI FRICS**

Dr. Eugene McGovern is a Chartered Surveyor and lecturer at the Dublin Institute of Technology in the area of Geomatics. He previously worked internationally as a Land Surveyor before coming a director of a commercial survey company in Ireland. He holds a PhD from University College Dublin in satellite image processing. He is a committee member of the Society of Chartered Surveyors Ireland Geomatics Professional Group and is the RICS representative on FIG Commission 5.



## **Colin Bray**

Colin Bray is Chief Executive Office and Chief Survey Officer of Ordnance Survey Ireland, the Irish national mapping agency. Colin is a highly experienced leader with a solid understanding of change management, relationship management, surveying, mapping and technology gained over twenty years. Colin is a member of the Irish Public Service CIO Council and a Director of EuroSDR (European Spatial Data Research organisation), having served as President of Commission 4 on Core Geospatial Databases. Colin is a Chartered Geomatics Surveyor and has been an external examiner for the Dublin Institute of Technology.



## **Dr. Audrey Martin FCSI FRICS**

Audrey is an academic in the School of Surveying and Construction Management in DIT and chairs the MSc in Geospatial Engineering. Her main area of expertise and research are in Global Navigation Satellite Systems (GNSS) and Geodetic Surveying. Within this field she recently successfully supervised two consecutive winners of the Trimble Dimensions Student Paper. In the past Audrey was awarded a DIT Teaching Fellowship and won a number of a DIT Teaching Excellence awards. She is a past Chair of the Geomatics Professional Group of the Society of Chartered Surveyors Ireland (SCSI) and has also served on the Royal Institution of Chartered Surveyors (RICS) International Faculty Board. She remains an active member of the Geomatics Professional Group. Audrey has attended and published at many FIG Congresses and Working Weeks since 2003 and currently acts as an academic reviewer for FIG.



**Niamh O'Reilly**

Niamh O'Reilly is a chartered Geomatics Surveyor and is currently the chairperson of the Geomatics professional group in the Society of Chartered Surveyors Ireland (SCSI). She lectures at the School of Surveying and Construction management, DIT where her areas of expertise include Geographical Information Sciences, WebGIS, land information management and geodetic surveying. Niamh is the corresponding representative for SCSI/RICS on FIG commission 7 – Cadastre and land management. She is also a member of the SCSI Education standing committee and SCSI APC committee. Currently Niamh is part of a number of working groups looking at developing best practise guidelines for right to light in Ireland and also developing best practice guidelines for the preparation of SEAs/AAs for the energy sector in Ireland



**Fiona Barron**

Fiona Barron is Director of Innovation & Business Development in the Society of Chartered Surveyors Ireland. Fiona originally qualified and worked in the property sector and is a Member of the SCSI. She holds an MBA from the Smurfit School of Business and has many years' experience in business development in the private, and not for profit sectors. The Innovation & Business Development Department is responsible for Society events and sponsorship, as well as liaison with the SCSI regions.



**Valerie Bourke**

Valerie Bourke is Events Officer with the Society of Chartered Surveyors Ireland. Valerie has many years' experience in event management, having co-ordinated all national and regional events for the Society over the past 24 years including national conferences; dinners, social events and overseas trips.



SCSI Southern Region Annual Dinner 2014

## Previous professional events organised by The Society of Chartered Surveyors Ireland (SCSI)

The Society of Chartered Surveyors Ireland (SCSI) has co-ordinated our annual national and regional events for many years. These national events have included our Annual Dinner which was attended by in excess of 1200 in February this year; our Annual Conference which was attended by c. 500 delegates in October of this year as well as many other regional forums and events. We have held events in many of the city's top venues, including the Dublin Convention Centre. The SCSI is a member of CEPI – the European Council of Real Estate Professions – and this month, we are hosting its annual general assembly in Dublin, for which we have organised interpretative facilities and social activities, as well as hosting CEPI's working schedule.

Events organisation in the society is a key element of our operations and is managed by the Innovation and Business Development Department.



AGENCY ASSISTANCE

# AGENCY ASSISTANCE



Dublin Convention Bureau assisted the local organising committee with introductions to Destination Management Companies (DMC's), venues and professional suppliers. Only those who fulfil certain criteria and qualify for inclusion in Fáilte Ireland's approved list of suppliers are promoted.

## **Dublin Convention Bureau**

The Dublin Convention Bureau (DCB) is an essential point of contact for any international conference or meeting planner who is considering the City for their future business. It provides expert advice, updates on new developments, a free venue finding service, and assistance with site inspections and organisation of familiarisation trips. It also supports liaison with local service providers, provides assistance with bids for international meetings, helps sourcing of endorsement and local support, has a conference ambassador programme, and can help to build delegate attendance at conferences. DCB does not charge any fee or commission on any service and is, in essence, your one stop shop for Dublin!

## **Contact details**

### **Ciaran McLoone**

Dublin Convention Bureau

Fáilte Ireland

88-95 Amiens Street

Dublin 1

Tel: +353 1 8847271

Web: [www.dublinconventionbureau.com](http://www.dublinconventionbureau.com)

Email: [cmcloone@dublinconventionbureau.com](mailto:cmcloone@dublinconventionbureau.com)



## **Event Partners Profile**

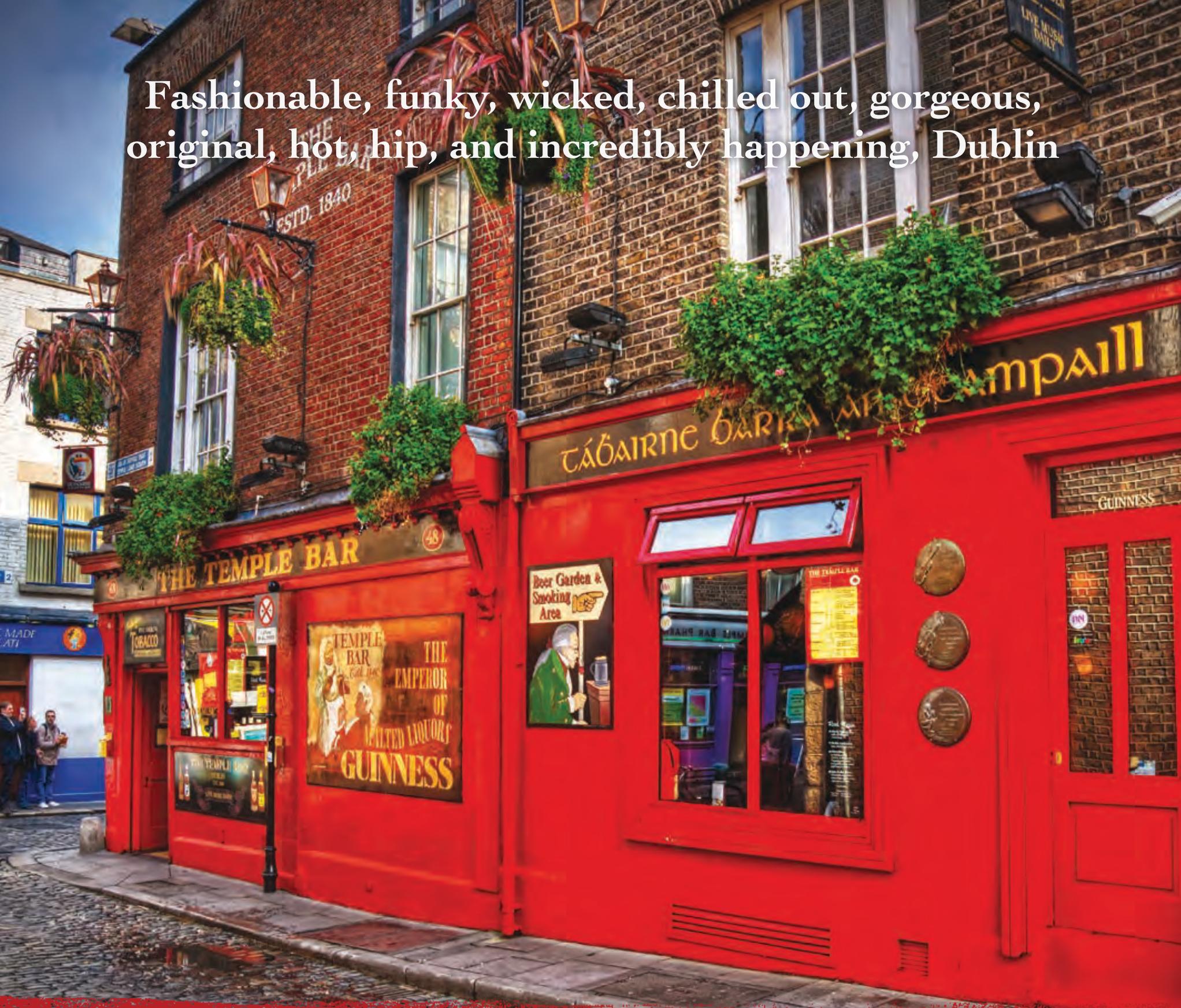
Event Partners DMC is a driving force of originality, unrivaled service and seamless delivery. Founded in 1998, their multilingual in-house team of experts are supported by the brightest and most brilliant guides in the country. Event Partners think differently. With their pioneering knowledge of captivating experiences, you will see Ireland through fresh eyes.

Event Partners have the contacts and purchasing power to deliver the best that the market has to offer. With flair and enthusiasm they source venues, negotiate with hotels and suppliers, arrange airport greetings and provide luxury transportation.

Event Partners deliver inspiring team-building activities, memorable welcome receptions, glamorous gala dinners and dazzling entertainment. With Event Partners, cutting edge meets old-school, methodical meets free spirited and hard work meets fun times!

Event Partners are very much looking forward to working with the Local Organising Committee and the FIG International Office should Dublin be successful in its bid to host the FIG Working Week 2019.

Fashionable, funky, wicked, chilled out, gorgeous, original, hot, hip, and incredibly happening, Dublin



DESTINATION DUBLIN

*The Temple Bar Pub Dublin, winner of the  
Irish Music Pub of the Year for 2002 to 2012*

# DUBLIN AS A CONFERENCE DESTINATION

## What Dublin has to offer

Dublin is an exciting and inspirational city eager to extend a warm welcome to business tourists from across the globe. Scoring high on essential criteria such as suitability, accessibility, facilities and service, Dublin delivers in its own inimitable way.

## Captivating experience

Dublin is a breath of fresh air, a truly unique capital that's steeped in tradition yet young at heart. In the historic, compact city centre there is lots to do and see, and visitors will love the rich selection of galleries, national museums which have free entry, restaurants, pubs and shops, not to mention the traditionally warm welcome from Dubliners.

## Traditionally high visitor turnout

World-renowned for our warm welcome and genuine sense of fun, the Irish people's enviable passion for life promises to entice colleagues and peers from around the globe, guaranteeing high attendance at any international event.

## Easy access

Ireland, ideally located on the edge of Europe, is less than an hour from London, less than two hours from Paris or Brussels and just five hours from the east coast of the US by air. Dublin airport is the 11th largest in Europe in terms of international traffic, which has more than 170 destinations served by 55 scheduled airlines. A brand new

terminal opened in 2010, increased its capacity to well over 30 million passengers a year. It is only 12km from the city centre and is served by bus and taxi taking less than 20 minutes to get to the city centre.

## Conference Accommodation

Dublin now boasts world class hotels providing top quality accommodation. The capital offers over 160 hotels with just over 18,000 beds, all approved by Fáilte Ireland – The National Tourism Development Authority. Hotels range in price from the luxury 5 star experience to more affordable budget accommodation. Visitors can choose either city-centre hotels within walking distance or hotels in the leafy suburbs of Dublin which can be easily accessed by bus, tram, train or taxi.

## Local Transportation

Dublin city itself is small, compact and is tailor-made for carefree exploring by foot. It also has an excellent transport system, which includes an urban rail system (DART), a stylish new tram network (LUAS) and an extensive city/countrywide national train and bus service. A universal public-transport access card is available allowing delegate's access to all parts of the city by bus, DART or Luas. Taxis are plentiful and reasonably priced by international standards.



### Entry (Visa) Requirements

All visa applications are now made on-line using the AVATS on-line facility. [www.dfa.ie](http://www.dfa.ie) Citizens of certain countries require a visa to travel to Ireland. Applicants should note that all non-EU citizens, whether a visa is required or not, will be subject to ordinary immigration controls at the port of entry.

Dublin Convention Bureau will work closely with FIG, the local organising committee and the Department of Foreign Affairs to ensure that Visa applications are processed efficiently.

### Do I need a Visa to come to Ireland?

Visas are not currently required by EU Nationals, EFTA Nationals or USA, Canadian or Australian nationals, visitors are required to have a valid passport. Information on nationalities requiring a VISA may be obtained from any Irish Embassy or Irish Tourist Office.

### VAT

Vat registered organisations can also reclaim VAT on accommodation costs for their participants.

### Tax Benefits

Non-EU residents are entitled to reclaim the VAT paid on items purchased and taken home with them.

## Destination Cost of Living

Ireland's cost of living has improved compared to the European Union in each year since 2008.

Prices fell outright in 2009 and 2010 and inflation since then has run at approximately half the level of the EU.

These competitiveness gains are reflected in the latest UBS Prices and Earnings Report which shows Dublin dropping to the 23rd most expensive city surveyed.

Dublin compared well in terms of price of service, price of city breaks, hotels and restaurants and clothing.

### Examples of Destination Cost of Living

- Coffee in a Typical Café: **€2.50-€3.00**
- 50cl bottle of mineral water: **€1.20**
- Sandwich: **€3.50-€4.00**
- Typical Meal Cost (including drink): **€15-€20**





## A Safe, Welcoming City

### Public Safety

Dublin is a safe and welcoming city. The city is one of the friendliest in Europe and maintains a relaxed and welcoming atmosphere.

### Communication

English is the main spoken language.

### Currency

In keeping with the majority EU Members, Ireland has adopted the euro as its national currency, so making it an attractive destination for most EU delegates.

### Enduring appeal

The number of international companies choosing Ireland as their first choice destination to stage their annual conference, business meeting, or incentive is growing year on year, with many returning again and again.

### Political Situation

Dublin is a safe and welcoming city with a strong, stable economy. The Republic of Ireland is a parliamentary representative democratic republic. The present government is a coalition of Fine Gael (a centre right to centrist party) and the Labour Party. The state operates under the Constitution of Ireland, which falls within the Liberal Democratic

tradition. The Head of State is the President with a mainly ceremonial role. The Parliament of Ireland (Oireachtas) consists of the President, the Dáil and the Senate.

Diplomatic relations of Ireland are substantially influenced by its membership of the European Union, although bilateral relations with the US and the UK are also very important to Ireland. It is one of a group of smaller nations in the EU and has traditionally pursued a non-aligned foreign policy. Ireland tends towards independence in foreign policy, is not a member of NATO and has a long-standing policy on military neutrality. Ireland is consistently the most pro-European of EU member states, and is a founder member of the euro currency. Ireland has diplomatic relations with 161 foreign governments. The Irish government has 74 missions across the world including 55 embassies.

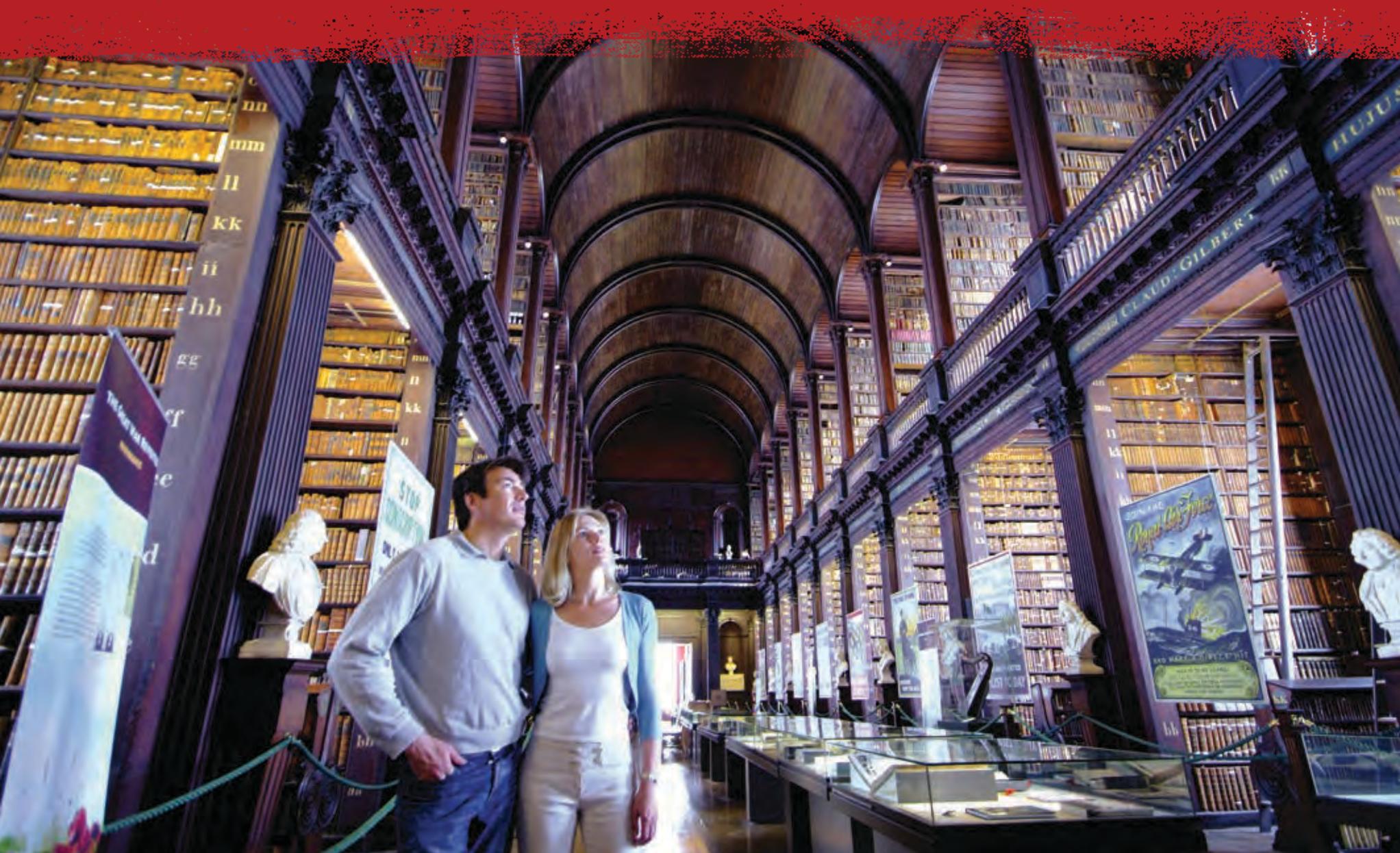
### Ease of doing business

The 2008-2012 Business Environment Ranking of the Economist Intelligence Unit placed Ireland 11th globally out of 82 countries, naming it as one of the most attractive business locations in the world. Furthermore, Forbes 2011 named Ireland as the best country in Europe in which to do business.

*“For Dublin can be heaven  
With coffee at eleven  
And a stroll in Stephen’s Green  
There’s no need to hurry  
There’s no need to worry  
You’re a king and the lady’s a queen  
Grafton Street’s a wonderland  
There’s magic in the air*

*There’s diamonds in the lady’s eyes  
And gold-dust in her hair  
And if you don’t believe me  
Come and meet me there  
In Dublin on a sunny Summer morning”*

**From the “Dublin Saunter”,  
made famous by the Irish actor Noel Purcell**





Modern, forward thinking, effective, efficient, fast,  
comfortable, friendly, safe, enjoyable, informative



*The LUAS tram system connects Dublin  
city centre with the suburban areas*



## ACCESS

### Dublin Airport

Dublin Airport is one of Europe's busiest airports, with 57 airlines flying to over 175 destinations. Dublin Airport now offers services to over 30 airports in the UK and the ever expanding European network – now more than 100 airports.

Dublin Airport manages an average of 60,000 passengers per day, rising to 80,000 during the peak season, with more than 600 aircraft movements every day.

### Some Facts about Dublin Airport

- Dublin Airport is located 12km north of Dublin city centre
- Dublin Port Tunnel cuts journey time from the airport to the city centre, to 12-15 minutes.
- Private/public bus services that operate from the airport: **Aircoach, Airlink.**
- Taxis are readily available for hire outside the airport (a taxi journey into the city centre from the airport should cost approximately €25).
- Most international car rental companies also have representation in the airport terminal.
- Check-in capacity of 165 desks.

### Dublin Ferry Ports

Even though Ireland is an island, access is easy by air or sea. Passengers arriving in Dublin have a choice of two disembarkation points, depending on which ferry company they use. Dublin Port is very centrally located, only minutes from Dublin city centre. Dun Laoghaire is situated to the south of the city, about 30 minutes from the city centre. There are excellent ferry connections daily from the UK and mainland Europe.

### Getting Around Dublin City

- Dublin is compact and easily **'walkable'**.
- Almost 10,000 **taxis**.
- **Buses:** Dublin Bus operates the city's bus routes running from 06:00-23:30.
- **Train:** DART, Suburban and Intercity Trains.
- **LUAS:** State-of-the-art Light Rail Transit System.

### Public Transportation to Convention Centre

**Bus:** Typical bus journey from city centre to Convention Centre - 70c.

**LUAS:** Typical LUAS Journey Zone 1 - €1.80

Integrated Ticket for bus, train & LUAS - €10.00 (includes €5 credit). Delegate discounts will be made available.

**Dublin City Bikes:** 3 day ticket - €2.00

**Taxi:** Typical taxi fare from city centre to Convention Centre - €8.00

### Airport

**International Airport:** Yes.

**Average Distance from City Centre:** 12km.

**Means of Transportation:** Bus, Taxi.

### Average Cost Airport to City:

Dublin Bus Airport Transfer – €6.00 Single

Airport Taxi – €25.00

# MAJOR AIRLINES

Getting to Dublin is increasingly easy and popular with many airlines such as Etihad, Emirates and United Airlines opening new routes in the last two years. With the emergence of low cost air-travel along with traditional international carriers it has never been easier or less expensive to travel to Dublin. \*\* Indicates Summer Season only





# BUDGET

EXPENDITURE						Based on 800pax
	Cost	Units	VAT	Total EUR	Comments	
<b>1. Print, Artwork &amp; Design</b>	<b>7,100.00</b>	<b>1</b>	<b>23%</b>	<b>8,733</b>	<i>Includes design managed by FIG and local print of Programme Book &amp; Technical Programme Book</i>	
<b>2. Marketing &amp; Promotion</b>	<b>9,500.00</b>	<b>1</b>	<b>23%</b>	<b>11,685</b>	<i>Includes website managed by FIG and provision for promotion at 2018 Congress Istanbul</i>	
<b>3. FIG Site Visits</b>	<b>2,500.00</b>	<b>3</b>	<b>23%</b>	<b>9,225</b>	<i>2pax x 3 visits</i>	
<b>4. Conference Venue – The CCD</b>				<b>263,097</b>	<i>Rental includes a number of technicians, in-house sound, lighting &amp; staging, stewarding, security, in-house furniture, carpet in exhibition hall, free WiFi of 20MB bandwidth, some digital signage, traffic management and registration desk structures.</i>	
The Forum – Exhibition	15,143.00	4	23%	74,504		
The Liffey – Welcome Reception	0.00	1	23%	0		
The Auditorium – Opening Ceremony/Plenary	18,531.31	3	23%	68,381		
Liffey Hall 1 – Technical Session	3,802.19	3	23%	14,030		
Liffey Hall 1 – FIG President’s Meeting	3,802.19	1	23%	4,677		
Liffey Hall 2 – Technical Session	4,792.79	3	23%	17,685		
Liffey Meeting Room 1 – ACCO Meeting/ Commission Annual Meeting/Technical Session	1,532.88	5	23%	9,427		
Liffey Meeting Room 2 – Technical Session	2,556.36	3	23%	9,433		
Liffey Meeting Room 3 – Technical Session	1,917.01	3	23%	7,074		
Liffey Meeting Room 4 – Commission Meeting Room 1	391.44	5	23%	2,407		
Liffey Meeting Room 5 – Commission Meeting Room 2	391.44	5	23%	2,407		
Ecocem Room – Technical Session	1,917.01	3	23%	7,074		
Wicklow Meeting Room 1 – Technical Session	1,725.99	3	23%	6,369		
Wicklow Meeting Room 4 – Commission Meeting Room 3	391.44	5	23%	2,407		
Wicklow Meeting Room 5 – Commission Meeting Room 4	391.44	5	23%	2,407		
Liffey Boardroom 1 – Members Association Conference Office	229.64	7	23%	1,977		
Liffey Boardroom 2 – FIG President Meeting Room/Council Meetings	306.36	7	23%	2,638		
Liffey Boardroom 3 – Speaker Preview	384.13	3	23%	1,417		
Liffey B – General Assembly	229.64	7	23%	1,977		
Liffey B – General Assembly	8,946.24	1	23%	11,004		
Liffey B – General Assembly	8,946.24	1	23%	11,004		
Audiovisual	3,900.00	1	23%	4,797	<i>Additional 2 technicians for Speaker Preview and meeting rooms plus provision for fixed internet at Registration Desks</i>	

## Presumptions

**Time:** Anytime between last week April and last week June 2019  
**Conference days:** 29 April-3 May 2019/24 - 28 June 2019/17 - 24 May 2019  
**Venue:** The Convention Centre Dublin (CCD)

**Price Level:** 2014 VAT Included  
**Currency:** Euro (€)  
**Language:** English

	Cost	Units	VAT	Total EUR	Comments
<b>5. Social Events</b>				<b>140,551</b>	
Welcome Reception – The CCD	25,160.00	1	9%&23%	28,824	<i>Drinks and canapes for 800pax</i>
Foundation Dinner – Old Jameson Distillery	30,090.00	1	23%	37,011	<i>Includes room hire, 3 course dinner, drinks, entertainment, transport and FIG Foundation Fee for 300pax</i>
Gala Dinner – Round Room at the Mansion House	35,560.00	1	23%	43,739	<i>Includes room hire, 3 course dinner, drinks, entertainment and transport for 320pax</i>
Farewell Reception – FIG Congress 2018 Istanbul	25,160.00	1	9% & 23%	28,824	<i>Provision for Farewell Reception at FIG Congress 2018 Istanbul based on drinks and canapes for 800pax</i>
Accompanying Person Half Day Tour	1,750.00	1	23%	2,153	<i>Half day city tour with coach and guide based on 50pax</i>
<b>6. Participant’s Kit</b>	<b>6,850.00</b>	<b>1</b>	<b>23%</b>	<b>8,426</b>	<i>Includes delegate bag and delegate badge w lanyard, pens and notepaper to be sponsored</i>
<b>7. Catering - Daytime</b>				<b>122,472</b>	
<b>Grab &amp; Go Lunchbag (General Assembly x 2)</b>	<b>10,360.00</b>	<b>2</b>	<b>9%</b>	<b>22,585</b>	<i>Based on 800pax both days of General Assembly</i>
<b>Tea, Coffee, Biscuits (Friday morning)</b>	<b>3,440.00</b>	<b>1</b>	<b>9%</b>	<b>3,750</b>	<i>1x tea, coffee &amp; biscuits break for 800pax</i>
<b>Lunch Fork Buffet Package – incl tea, coffee, biscuits break, fork buffet lunch and sweet bites, tea, coffee break</b>	<b>28,400.00</b>	<b>3</b>	<b>9%</b>	<b>92,868</b>	<i>Based on 800pax for three days of conference</i>
<b>Provision for additional unspecified catering</b>	<b>3,000.00</b>	<b>1</b>	<b>9%</b>	<b>3,270</b>	
<b>9. Tours</b>				<b>0</b>	
<b>Technical tours</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<i>No cost to conference as delegates pay own</i>
<b>Social tours</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<i>No cost to conference as delegates pay own</i>
<b>10. Invited Guests/Complimentary Accommodation</b>	<b>39,686.90</b>	<b>1</b>	<b>23%</b>	<b>48,815</b>	<i>Includes 100 complimentary registrations as per page 12 of FIG Bid Manual plus provision for FIG President and FIG Staff onsite accommodation x 10 nights. NOTE: 53 social complimentary tickets as per FIG Bid Manual have been accounted for in the Income section</i>
<b>11. Display Materials</b>	<b>5,125.00</b>	<b>1</b>	<b>23%</b>	<b>6,304</b>	<i>Includes branding for lecterns, registration desks, pull up signage etc</i>
<b>12. Exhibition</b>	<b>17,650.00</b>	<b>1</b>	<b>23%</b>	<b>21,710</b>	<i>Includes shell scheme x 30 booths and exhibition administration</i>
<b>13. Abstracts</b>	<b>14,350.00</b>	<b>1</b>	<b>23%</b>	<b>17,651</b>	<i>Managed by FIG - estimate based on 700 abstracts for budgetary purposes</i>
<b>14. Registration Administration</b>	<b>47,375.00</b>	<b>1</b>	<b>23%</b>	<b>58,271</b>	<i>Includes FIG Registration Management Fee of €35 per person based on 800pax, FIG Foundation Contribution of €10 per person based on 800pax and onsite staffing</i>
<b>15. Sponsorship Administration</b>	<b>5,000.00</b>	<b>1</b>	<b>23%</b>	<b>6,150</b>	
<b>16. Conference Administration</b>	<b>49,349.47</b>	<b>1</b>	<b>23%</b>	<b>60,700</b>	
<b>17. Miscellaneous</b>	<b>890.00</b>	<b>1</b>	<b>23%</b>	<b>1,095</b>	
<b>TOTAL EXPENDITURE</b>				<b>784,883</b>	

<b>INCOME</b>					<i>Based on 800pax</i>
	Registration Fee	Uptake	Total	Comments	
Delegates: Early	610.00	50%	244,000	Registration fee based on FIG WW 2015 fee plus 10%	
Delegates: Normal	710.00	25%	142,000	Registration fee based on FIG WW 2015 fee plus 10%	
Delegates: Late	770.00	23%	141,680	Registration fee based on FIG WW 2015 fee plus 10%	
Students	225.00	2%	3,600	Registration fee based on FIG WW 2015 fee plus 10%	
Accompanying persons	165.00	50	8,250	Registration fee based on FIG WW 2015 fee plus 10% by 50pax	
Invited Guests	0.00	100	0	100 complimentary registrations accounted for in Expenditure	
<b>Total Registration Fee Income</b>			<b>539,530</b>		
Sponsorship & Exhibition Income	Amount	Units	Total	Comments	
Exhibitors	3,000.00	30	90,000	Based on 30 exhibition booths	
Local sponsorship	50,000.00	1	50,000		
International sponsorship	80,000.00	1	80,000		
Faillte Ireland Grant	10.00	800	8,000		
<b>Total Sponsorship &amp; Exhibition Income</b>			<b>228,000</b>		
Social events	Fee	Units	Total	Comments	
Foundation Dinner	95.00	247	23,465	53 complimentary tickets as per FIG Bid Manual have been included	
Gala Dinner	120.00	267	32,040	53 complimentary tickets as per FIG Bid Manual have been included	
<b>Total Social Events Income</b>			<b>55,505.00</b>		
<b>TOTAL INCOME</b>			<b>823,035</b>		

	Total	
<b>SUMMARY 1</b>		<i>Based on 800pax</i>
Total income	823,035	
Total expenditure	784,883	
<b>RESULT 1</b>	<b>38,152</b>	<i>Surplus</i>
<b>SUMMARY 2</b>		<i>Based on 1000pax</i>
Total income	957,855	
Total expenditure	847,376	
<b>RESULT 2</b>	<b>110,479</b>	<i>Surplus</i>
<b>SUMMARY 3</b>		<i>Based on 1200pax</i>
Total income	1,092,675	
Total expenditure	909,869	
<b>RESULT 3</b>	<b>182,806</b>	<i>Surplus</i>



PROPOSED VENUE: THE CONVENTION CENTRE DUBLIN

# PROPOSED VENUE: THE CONVENTION CENTRE DUBLIN

Since opening its doors in 2010, The Convention Centre Dublin (CCD), has hosted nearly 1,000 events. This landmark building was designed by award-winning Irish architect Kevin Roche, and features a stunning glass fronted atrium running the full height of the building – giving visitors panoramic views of the River Liffey, Dublin city centre and the Wicklow mountains. Located in Dublin city centre, The CCD is at the heart of Dublin’s transport hub with excellent air, road, rail and sea connections, meaning it is only minutes from the airport, motorway network, rail stations and ferry terminals. The CCD has won 25 major industry awards since opening in September 2010.

These awards include: “Best Overseas Conference Centre” and the prestigious “Access Excellence Award” at the M&IT Awards 2012, the latter being the first time the award was presented to an Irish venue. In addition to these 15 awards, The CCD has also been recognised as one of three runners-up at the AIPC Apex Awards 2012 for the coveted “World’s Best Convention Centre” award, which is based on a detailed survey of at least 25 clients over the previous two years. Most recently The CCD won the Best Overseas Conference Venue at the prestigious C&IT Awards in London.

## Venue at a Glance

- 22 Purpose-built meeting rooms
- 2,000 Seat Auditorium with full theatrical stage and fly tower
- 4,371 Square metres of exhibition space
- 3,000 Theatre capacity for delegates in The Forum
- 3,000 Guests catered for in our banqueting facilities
- 6 Spacious foyer areas – with stunning views of Dublin City, bay and mountains on upper foyer levels
- 2 Large cargo lifts including a truck container lift
- Cutting edge technology and wi-fi throughout
- Intimate boardrooms, large and small halls and meeting rooms
- The CCD is a venue like no other, with a range of 22 flexible meeting rooms and spacious foyers over 6 levels.



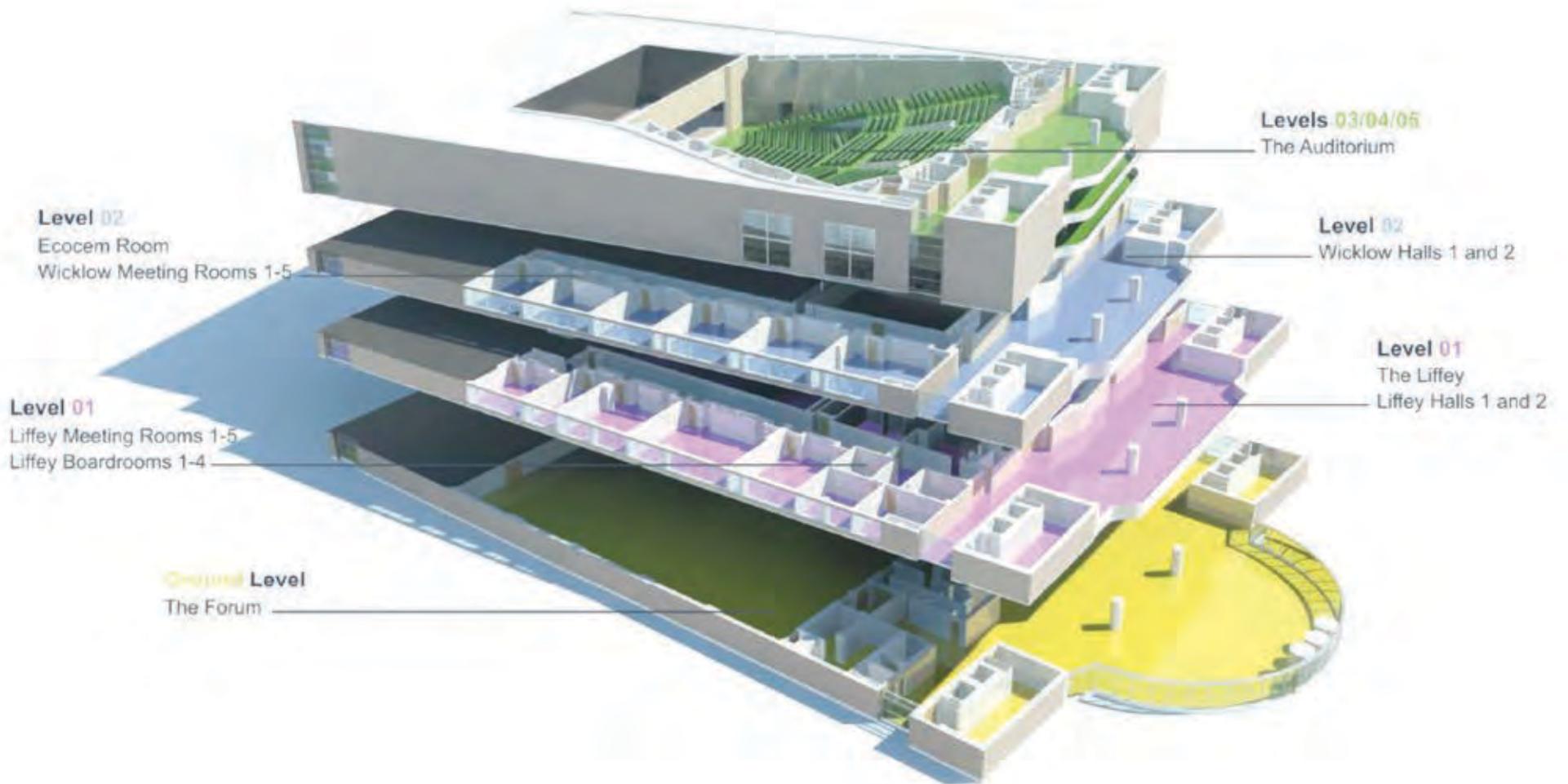
*The Auditorium*

### Track Record

The Convention Centre Dublin is Ireland's first purpose built convention centre. Since it opened in September 2010 it has already hosted nearly 1,000 events including the following major events over the past two years:

Start Date	End Date	Event Name	Delegate Numbers
17/06/12	21/06/12	16th International Congress of Parkinson's Disease & Movement Disorders	5100
09/09/12	14/09/12	Annual EAIE Conference	4351
30/09/12	05/10/12	International Bar Association	4230
02/11/13	06/11/13	International Society for Pharmacoeconomics and Outcomes Research	3697
16/09/14	21/09/14	European Society for Paediatric Endocrinology c/o Bioscientifica	3352
01/09/13	05/09/13	International Pharmaceutical Federation	3500
22/05/12	24/05/12	TM Forum – Management World	3000
12/07/12	15/07/12	Euroscience 2012	4500
16/10/13	19/10/13	Congress of the European Association of Osseointegration	2750
04/05/14	09/05/14	Annual Meeting of ESPID	2557
06/06/12	09/06/12	K.I.T. – European Cystic Fibrosis Conference	2463
06/11/12	09/11/12	24th EORTC-NCI-AACR symposium on "Molecular targets and Cancer Therapeutics"	1866
05/09/12	08/09/12	World Molecular Imaging Congress WMIC 2012	1734
11/05/13	15/05/13	eHealth Week/WoHIT (World of Health IT Conference & Exhibition (organised by HIMSS Europe)	1991
03/05/12	05/05/12	EuroPRevent	1570
13/10/14	19/10/14	One Young World via Conference Partners	2000
28/05/13	01/06/13	International urogynaecological Association – IUGA	1583
22/06/12	26/06/12	Society for Molecular Biology and Evolution	1321
23/03/14	25/03/14	Radiodays Europe	1280
17/06/13	20/06/13	EuroNanoForum (ENF) 2013	1472
25/10/13	26/10/13	13th AMD and Retina Congress	1150
05/07/14	05/07/14	Words of Peace Global	1763

# CCD LAYOUT



## Your Meeting Space

It is proposed to host the welcome reception on the Sunday evening in the Atrium of the Convention Centre overlooking the River Liffey and Dublin city skyline. A registration desk will be set up so that delegates can register for the conference in advance of the reception.

The Opening Session and plenary session of the conference from Monday-Wednesday will take place in the impressive Auditorium which can accommodate a maximum of 2,000 delegates over Levels 3-5. Breakout sessions and conference workshops will take place on the Liffey & Wicklow levels – a series of meeting rooms all situated on level 1& 2 of the Convention Centre.

Lunches and refreshments will be served within the spacious exhibition space, The Forum on the Ground Floor.

Our turn key rental package will aid the success of the 2019 FIG Working Week with the latest in digital audio-visual equipment to ensure that the presentations and speeches carry the maximum impact, our high-speed wireless broadband (Wi-Fi) network provided free of charge to delegates as well as our friendly and knowledgeable hosts to assist delegates and ensure an enjoyable experience for FIG and the attendees.



*Liffey Boardroom 3*



*Liffey B*

## Your Package

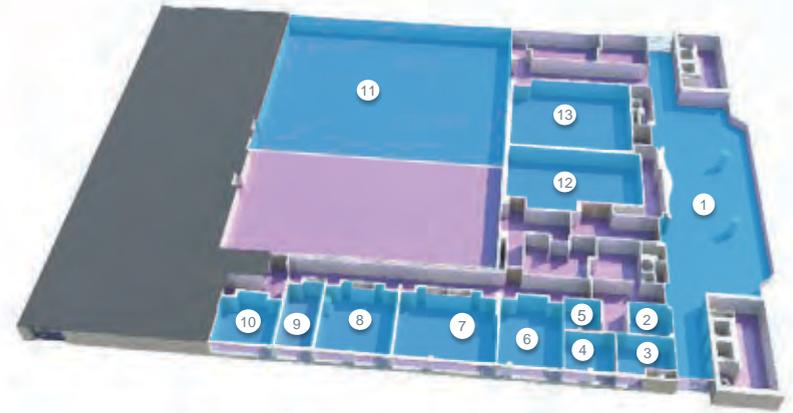
Your room rental package at The CCD offers a range of services as standard, including the following.

- Core CCD Technical equipment and personnel
- Digital signage
- Registration desks
- Complimentary guest Wi-fi
- Room partitioning (if required)
- CCD Hosts
- CCD Furniture
- CCD Cleaning
- CCD Security
- Optional extra charges include your CCD Hospitality package and any upgrade options, such as supplementary technical equipment or expertise, additional staff, Event IT, and the use of mobile digital signage units.

# YOUR PROPOSED SPACES

## YOUR PROPOSED SPACES

- 1 Ground Floor Foyer
- 2 The Forum - Exhibition

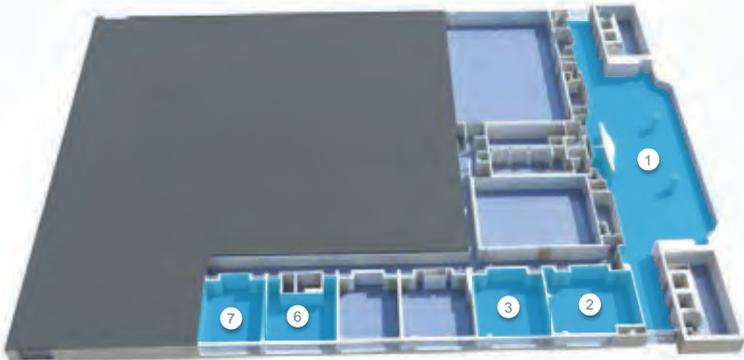


## YOUR PROPOSED SPACES

- 1 Level 1 Foyer
- 2 Liffey Boardroom 1 – Member Association Office
- 3 Liffey Boardroom 2 –President /Council Meeting
- 4 Liffey Boardroom 3 – Speaker Preview Room
- 5 Liffey Boardroom 4 – FIG Office
- 6 Liffey Meeting Room 1 – ACCO Meeting/Commission Meeting/Technical Session
- 7 Liffey Meeting Room 2 – Technical Session
- 8 Liffey Meeting Room 3 – Technical Session
- 9 Liffey Meeting Room 4 – Commission Rom 1
- 10 Liffey Meeting Room 5 – Commission Room 2
- 11 Liffey B – General Assembly
- 12 Liffey Hall 1 – Technical Session/FIG Presidents Meeting
- 13 Liffey Hall 2 – Technical Session

## YOUR PROPOSED SPACES

- 1 Level 2 Foyer
- 2 Ecocem Room – Technical Session
- 3 Wicklow Meeting Room 1 – Technical Session
- 6 Wicklow Meeting Room 4 – Commission Room 3
- 7 Wicklow Meeting Room 5 – Commission Room 4



## YOUR PROPOSED SPACES

- 1 Level 3 Foyer
- 2 Level 4 Foyer
- 3 Level 5 Foyer
- 4 The Auditorium – Opening Ceremony/ Plenary



## TESTIMONIALS

*Many thanks for everything. You and the team were fantastic. We really appreciate how your staff and facilities make it is so easy to have an event in The CCD and look forward to having future events there.*

**Jamie Harnett, Sigmar Recruitment – National Employment Week, February 2014**

*I Truly appreciated working with everyone on the team, I felt all of my requests were being handled efficiently and above average, no matter what I requested it was handled in a timely and efficient manner. The team is also very kind and always pleasant to work with and I am sad that we won't be there more often.*

**Jeanne Bureau, 9th European International Kidney Cancer Symposium, April 2014**

*The World Youth and Student Travel Conference has been to convention centres all over the world and I can say that The CCD in Dublin is by far and away the best we have ever used. Not only is The Convention Centre brilliantly designed and laid out but the responsiveness of the Management and the staff to all of our needs was excellent. The whole Convention Centre made a huge positive difference to the success of our Conference. Thank you all.*

**David Chapman, World Youth and Student Travel Conference (WYSTC) 2014, September 2014**

*The venue has been truly amazing to work with”, said Kate Sargent of Bioscientifica Ltd, the official PCO for ESPE 2014. “We are most impressed with the dedication of all of the staff at The CCD and the very warm welcome we have had, not only onsite, but during the planning process over the past year. We are delighted to share this special occasion with The CCD and hope to return at some point during the next 1,000 events!*

**Kate Sargent, 53rd Annual European Society for Paediatric Endocrinology (ESPE) Meeting 2014, September 2014**

*The CCD was really the only choice to host the One Young World summit in Dublin, with the best facilities and location, combined with a proactive approach to assisting us win the bid at the outset. Few buildings in Ireland come close to The CCD for flexibility and state of the art technology, making it an industry standard bearer for summits and conferences in Western Europe.*

**Bob Coggins, One Young World Summit 2014, October 2014**

*Auditorium – venue for Conference Opening Session*



# CITY CENTRE AND THE CONFERENCE CENTRE, DUBLIN

SEE HOTEL LIST ON PAGE 45



## Case Study

Delegates: **2,000**

Client: **One Young World**

Event: **One Young World Summit 2014**

Type: **Conference**

Dates: **15-18 October 2014**

Days: **4**

### Brief

One Young World is a not-for-profit organisation that connects and guides young leaders from around the world who are driving real change in their countries, communities and companies. The fifth One Young World Summit took place in Dublin in October 2014 and was unique in giving its delegates and ambassadors the opportunity to interact directly with high profile leaders.

### Solution

The Dublin bid to host the One Young World Summit was submitted by Bob Coggins, Clara Kelleher and Valerie McGrane, a group of Dublin based youth leaders, and was supported by Fáilte Ireland, through Dublin Convention Bureau. The team overcame strong competition from Hong Kong and Edinburgh and won the bid based on Dublin's experience hosting top international events and its world renowned hospitality, youth, creativity and innovation.

The local organising committee engaged Conference Partners as the professional conference organiser for the event, and selected The CCD to host the 2014 summit due to its large conference facilities, central location and excellent transport links. Bob Coggins commented, "The CCD was really the only choice to host the One Young World summit in Dublin, with the best facilities and location, combined with a proactive approach to assisting us win the bid at the outset. Few buildings in Ireland come close to The CCD for flexibility and state of the art technology, making it an industry standard bearer for summits and conferences in Western Europe".

The four-day summit opened in the Auditorium with a welcome address from An Taoiseach, Enda Kenny T.D., followed by the symbolic flag-laying ceremony which included 196 members, each bearing the national flag of their country. The session also featured inspiring keynote speeches from Sir Bob Geldof and former President of Ireland, Mary Robinson.

Topics on the agenda included human rights, education, global business, health, sustainable development and leadership and government. The key theme for the 2014 summit was peace and conflict resolution, using Ireland's legacy and relatively recent reconciliation as an example to guide discussion.

Plenary sessions were held over the four days and served to give the young delegates a unique opportunity to hear and be heard by global leaders such as the former UN Secretary General, Kofi Annan, Wikipedia founder Jimmy Wales, activist Ali Hewson and global sports star Boris Becker. Delegates also attended external breakout sessions which were organised to deliver a wide range of topics in more than 30 venues throughout the city including Google HQ, Facebook HQ, Trinity College and the Guinness Storehouse.

Dublin truly embraced the One Young World Summit, with delegates receiving a 'One Thousand Welcomes' tour from young Dubliners which took in the real sights and sounds of the city. Attendees also stepped off the plane in Dublin to be greeted by welcome posters at the airport, and the branding continued throughout the city on buses, bus stops, lamp posts, billboards and the exterior and interior of The CCD.

There were a number of first time experiences for The CCD during the summit. A scale model of Richard Branson's space shuttle arrived the day before opening and was on display beside The CCD throughout the event. CCD Security played an integral role in supporting the installation of the shuttle and monitoring the manning of the area each day.

CCD Security and Health and Safety also liaised with Dublin Fire Brigade to obtain approval for a full blackout in the Auditorium during a special session on disability to challenge people's perceptions. They also worked with the Garda traffic unit on a plan to stop traffic during the final day of the summit when thousands of white balloons were released by delegates who lined up along the River Liffey to mark 25 years since the fall of the Berlin Wall.

### Results

One Young World was arguably one of the most exciting, inspiring and enjoyable events hosted in Dublin in 2014. 2,000 delegates aged 18-30 from 196 countries attended the four-day summit with Fáilte Ireland estimating its worth at around €2 million in direct economic impact for the local economy. Organisers David Jones and Kate Robertson hailed the Dublin event as "the most successful in its five-year history".



ACCOMMODATION

# ACCOMMODATION

## Dublin's 5 Stars

Luxury and elegance unite in the superb five star properties of Dublin. There is every style of comfort from which to choose. Whether it be the Georgian delight of the Merrion Hotel, the super-luxury of the Westin, or the charming elegance of the Westbury, guests will be extremely satisfied.

## Dublin's 4 Stars

Dublin boasts a collection of excellent 4 star properties within easy access of the Convention Centre Dublin. The superb Gibson Hotel, in Dublin's new Docklands Quarter, offers exceptional service and style. Both the Spencer and Maldrone Hotels, a short walk from the Convention Centre, have gained excellent reputations from the business tourism market.

## Dublin's 3 Stars

For the more budget-conscious delegate, Jury's Inns Custom House Quay, just a five minute walk from the Convention Centre, offers excellent facilities at reasonable prices.



# ACCOMMODATION RATES

There are several top class hotels in different price categories within easy reach of the Convention Centre Dublin. The Dublin Convention Bureau has (at no cost) provisionally block booked accommodation in the hotels considered most suitable for delegates attending the FIG Working Week should it take place in Dublin in 2019. A list of the hotels, the number of rooms provisionally booked, the prices and the distance from the convention centre are set out in the table below. The structure of our hotel categorisation system equates our 3 star hotels to 4 star properties in mainland Europe. Delegates staying in hotels that are 15 minutes or more of a walk from the Convention Centre Dublin can avail of a daily coach transfer to and from the Conference Centre.

Hotel Name	Room Allocation	Distance from CCD	Single Occupancy B&B	Double Occupancy B&B
<b>5*</b>				
The Westbury Hotel	25	2km (25 min walk)	€310	€330
The Marker Hotel	80	600m (8 min walk)	€330	€350
The Westin Hotel	90	1.5 km (20 min walk)	€360	€380
The Shelbourne Hotel	100	2 km (25 min walk)	TBC	TBC
<b>4*</b>				
The Gibson Hotel	150	900m (11 min walk)	€200	€210
The Maldron Hotel Cardiff Lane	150	300 m (4 min walk)	€200	€201
Trinity City Hotel	30	1.3 km (15 min walk)	€189	€201
The Spencer Hotel	80	240 metres (3 min walk)	€210	€220
O'Callaghan Davenport	20	1.3 km (15 min walk)	€240	€250
DoubleTree by Hilton Dublin – Burlington Road	150	2.5 km (30 min walk)	€175	€195
The Gresham Hotel	100	1.8 km (22 min walk)	TBC	TBC
North Star Hotel	80	1.1 km (14 min walk)	€180	€200
<b>3*</b>				
Jury's Inn Custom House	80	450 metres (6 min walk)	€170	€190
Grand Canal Hotel	50	1.3 km (15 min walk)	€170	€180
O'Callaghan Mont Clare	20	1.3 km (15 min walk)	€215	€225
Temple Bar Hotel	80	1.6 km (20 min walk)	TBC	TBC

Dublin's city centre (1.6 km/20 min walk from CCD) boasts a range of excellent 3\* properties which are offering rates of €100-€140 single occupancy over the proposed dates.

There is an abundance of hostels and more budget properties within 20 min walk of the Convention Centre Dublin.



SUSTAINABILITY

# SUSTAINABILITY

## Environmental Sustainability & CSR

Today, many individuals, groups, and businesses are taking more and more responsibility for the impact of their activities on customers, suppliers, employees, communities and the environment. This is as a result of a growing realisation that the disintegration of our environment will have more direct, greater and longer lasting consequences than were ever considered before.

In choosing Dublin as the host city for the FIG Working Week 2019, FIG will already be taking proactive measures to limit the environmental impact of bringing 800-1200 conference delegates to a destination.

### The Convention Centre Dublin (CCD)

Building on its green foundations as the world's first carbon neutral convention centre, the Convention Centre Dublin is committed to long-term environmental sustainability in accordance with the International Standards Organisation (ISO) 14001.

This includes recycling, a focus on reducing overall energy consumption by using a sustainable energy supplier and integrating sustainable systems at the venue, such as its Integrated Building Automated System (IBAS). They have also installed a thermal wheel heat recovery system and an Ice Storage Thermal Unit (ISTU), which chills water overnight to form large ice blocks that melt during the day to provide air conditioning for the entire building.

### CCD Environmental Policy

The CCD have developed an environmental management policy to positively impact on local, national and global environmental issues by prompting good practice at The CCD. This includes customers, contractors and suppliers.

They are committed to the following:

- Conserving energy and selecting renewable sources of energy and materials where possible
- Preventing pollution

- Leading the exhibition and event industry to develop solutions to environmental issues within the industry
- Encouraging colleagues to become more environmentally responsible
- Positively developing our environmental policies, procedures and systems
- Minimising waste
- Ensuring that any paper and timber we use is obtained from sustainable forests
- Developing an integrated transport policy

The CCD recognises the role they play and their responsibility to protect the environment from further damage and minimise the waste produced. They are therefore committed to operating in an environmentally friendly way.

### Event Partners

As part of their remit as the local Destination Management Company (DMC) for the FIG Working Week 2019, Event Partners are committed to bringing a Green Approach to the conference.

They are currently in the process of seeking accreditation under the ISO 20121: Events Sustainability Management Systems. This is testament to Event Partners' environmentally friendly and sustainable approach in the services they provide to conferences as well as internally amongst their own staff. They have a dedicated ISO team to encourage environmental responsibility through employee awareness, environmental communication and training. Each new member of staff is made aware of the company's environmental policy as part of their induction. Moreover, as part of its Management Programme, they carry out a number of environmental objectives each year and measures are taken to encourage staff to meet the targets set out throughout the year in areas such as energy saving and recycling.



When selecting third party suppliers, Event Partners stipulate that potential preferred suppliers complete an environmental audit. They also actively encourage their suppliers and partners to adopt green policies and present new sustainability focussed solutions. Such examples have included audio visual and display suppliers using low-energy lighting; caterers using organic and locally sourced food and providing fair trade tea/coffee as well as a number of suppliers presenting solutions for waste recycling.

In addition any waste such as conference brochures, printed pages, name badges, and other promotional material are recycled.

### Other Measures

FIG can encourage delegates to think in terms of their carbon footprint when organising travel to the conference including offering carbon offsetting and promoting the use of public transport throughout the event. Dublin is a compact, easily walkable city with the area around the CCD served by coastal train (DART), Dublin Bus and a light rail network (LUAS).

Delegates can also avail of the Dublin Bikes scheme with bike stations located around the city including at the CCD. The 450 bikes are available for hire from 40 locations to encourage commuters and visitors to take a greener option. Bicycles will be free to use for the first 30 minutes each time and a 3 Day Ticket costs just €2.

Another option is Ecocabs, a free service operating within a 2km radius of O'Connell Bridge. Ecocabs take members of the public from designated 'pick-up points' within and around Dublin city centre. If not already in use on the streets, the Ecocabs will be at one of these points.

Dublin is a Fairtrade City since 2008 and FIG can promote this fact in their communications and work with Dublin Convention Bureau in producing a Fairtrade coffee shop and restaurant trail for delegates.

## Corporate Social Responsibility (CSR)

Another closely related area that FIG may wish to consider including in their Working Week 2019 programme should it come to Dublin is that of corporate social responsibility. A CSR event allows colleagues and peers to develop socially responsible attitudes towards their organisation, country and society in general.

FIG could consider suggestions ranging from painting an Irish school to building a bike for an Irish Charity. For example Barnados is a children's charity, established in Ireland in 1962, who work with vulnerable children and their families in Ireland and campaign for the rights of all children. It is possible to organise for a group of FIG Working Week 2019 delegates learn how to build a bike from the ground up! When the bikes are built and the "Stamp of Approval" is given by the mechanic mentor, they will wheel their way to Children in need with the assistance of Barnados.

Another option is to Plant a Tree for Life. Working in teams and armed with a spade, saplings, GPS and a map, participants will locate a number of designated areas. A sense of adventure is fostered as individuals come together to plant trees in welcome environments – such as schools, parks, hospitals and other community spaces. By taking part in this experience, delegates will perform a service on behalf of the association, the community and, ultimately, the earth itself. The event concludes with a 'thank you ceremony' attended by all participants.



 SOCIAL PROGRAMME

# SOCIAL PROGRAMME

The social programme of any event is central to its success. In today's industry we increasingly find ourselves generating business opportunities outside the office walls, therefore the social programme will play a key role in the overall event programme.

Dublin has the great advantage of being a cosmopolitan capital city which has the Irish Sea lapping its shores to the East whilst to the West and North, there is rolling countryside which aptly showcases Ireland as the "Green Isle". Further, the heather-clad Dublin Mountains form the gateway to the South and the "Garden Of Ireland", County Wicklow. This offers the delegates a wide array of innovative and entertaining tours both around the city centre and to the varied landscape beyond.

Dublin offers a variety of impressive venues for evening functions, from the traditional to the sophisticated, from the casual to the chic, the options are extensive affording the opportunity for all moods and sentiments to being captured and met.

## Welcome Reception

The welcome reception sets the scene for any international event. We embark on the journey of the FIG Working Week by communicating the challenges, the objectives of what we hope to achieve from the next seven days and engage the delegates, sponsors and exhibitors from the outset.

We propose holding the welcome reception at the Working Week venue. The evening reception will provide a networking opportunity for delegates to meet in a relaxed and atmospheric environment, acquaint with past acquaintances and familiarise themselves with the venue for the days ahead.

If the budget allows we would suggest treating the delegates to a warm Irish welcome as the award winning entertainers The Rhythm Corporation take the stage. A show which incorporates fast moving traditional Irish music, song and dance, delegates will feel the pulse of a rich and vibrant musical heritage and come away with a truly enjoyable experience.



*The Rhythm Corporation*

## Foundation Dinner

### Option 1 – Old Jameson Distillery

The Irish Shindig Night at the Old Jameson Distillery includes fine food, traditional Irish music and dance.



After a private tour of the Distillery, delegates will enjoy an aperitif of a signature Jameson drink, followed by a scrumptious four-course meal. Delegates will experience an authentic and lively traditional Irish night with performances from the Jameson Players and Claddagh Dancers.

### Option 2 – Trinity College Dublin

Trinity College Dublin, founded in 1592, is the oldest university in Ireland. Located in the heart of Dublin City, a walk through the cobbled stones will take you back to the 18th Century. Also, a unique and prestigious banqueting venue catering for up to 1,200 guests, the Trinity Irish Night combines good food, Irish entertainment and great networking in one of the most historic properties in Dublin.



## Hosted Reception



Venue Option 1: The Guinness Storehouse



Venue Option 2: Dublin Castle

If we are successful in securing a hosted reception for the FIG Working Week there are a number of venue options where it could possibly take place depending on the level of support achieved.

Recent reports have placed the quality of food in Ireland en par with both France and Italy. Food is part of the Irish culture, part of the Irish brand and one of our biggest exports. That is high praise indeed and on the night of this hosted reception we will demonstrate why it is so well deserved. This evening, the focus will be on Ireland's amazing food; from seafood stations and local cheeses, to farm fresh vegetables and artisan baked treats.

Located in the heart of Dublin, Guinness Storehouse is an exciting and unusual venue. Its huge windows offer inspiring views of the Brewery and beyond to Dublin, the Irish Sea and the Dublin Mountains, creating one of the most stylish and exclusive entertainment venues in the capital. Enjoy a perfect pint of the black stuff in the home of Guinness!

Since its foundation in 1204, the prestigious Dublin Castle has been at the heart of the history and evolution of the city. Today Dublin Castle contains two museums, two gardens, Government Buildings and the State Apartments which are the most important state rooms in the country.



## Gala Dinner

Interpreting the mood and understanding the sentiment is crucial when we organise this wonderful and most important element of the social programme. This will be a signature event unique to this event, its objectives and its essence.

A special venue for the Gala Dinner could be The Round Room in The Mansion House. Situated in Dublin's city centre, the Mansion House is the Lord Mayor's official residence. The Round Room was built in 1821 for the much-anticipated visit of King George IV. For nearly 200 years the Round Room has continued making history and has been the venue of choice for historic events in Irish History – such as the proclamation of The Irish Declaration of Independence. The Round Room is a chameleon venue which is capable of taking on thousands of varied characteristics that are required for individualistic events.

The Mansion House is located on Dawson Street which runs parallel to the famous shopping area of Grafton Street. The venue can be transformed into a wonderland of candlelight, atmospheric lighting and floral centrepieces. Colourful linens and chic furniture will create a spectacle to behold and the sense of occasion will be palpable.

An additional venue option is the Royal Hospital Kilmainham (RHK). The RHK is an unrivalled setting for any event large or small. Classical in style and unique in setting, the RHK has gained a superb reputation as a lavish venue in Ireland. Its splendour has to be seen to be believed. This historic and tranquil haven, set in 48 acres, enjoys an ideal location and is easily accessible from all routes. Set in stately grandeur of its own formal landscaped gardens and tree lined avenues.



Colourful linens and chic furniture will create a spectacle to behold and a sense of occasion will be palpable. We will create a striking stage design, provide arresting lighting displays and use state-of-the-art audio visual and video production ensuring a most unforgettable evening.

The delegates will enjoy engaging entertainment representative of the Irish location and culture but equally reflecting the collective tastes of the audience. The finer and intrinsic details such as menus and place names will illustrate the branding of the Working Week and will demonstrate the consistent creativity that will be associated not just with this part of the programme but also with the Working Week as a whole from conception to conclusion.

## Farewell Reception

The purpose of the farewell reception should be to synopsise the events of the week, motivate for the future, show the legacy of the FIG Working Week and capture the social moments and achievements of the week.

The reception will be about facilitating a fusion of cultures. Demonstrating the breath of reach of the delegates, a global focus will be taken to each and every element of the event. Delegates will experience a culinary feast of delicacies from around the world, while a plethora of international and Irish entertainers will fuse their talents to create the most awe inspiring sounds. Picture this, a traditional Irish fiddle player in session with an Indian percussionist or an Nigerian guitarist duet with an Irish harpist... the possibilities are endless!

This reception will take place where the Working Week began, in the main congress venue.

## Exploring Dublin



### Literary Walking Tour

Here is an opportunity to discover Medieval and Georgian Dublin through the eyes of a famous Dublin street poet who will bring to life Dublin's writers and walk the very paths that inspired our luminary writers like Swift, Yeats, Joyce, Wilde and Beckett.

This performance tour takes you to Dublin Castle, St. Patrick's Cathedral, Christ Church and Trinity College.

### Sight Jogging Tour of Dublin

Sight Jogging Dublin is an alternative and fun way to discover the city. A local jogging guide will take delegates through the city's liveliest quarters and finest squares while pointing out Ireland's most important landmarks such as St Patricks Cathedral, Trinity College, Dublin Castle and more.

The guides will also provide delegates with information on current events, markets and festivals so your experience of Dublin will be as authentic as it gets! What's more, you'll get insider tips on the best bars, restaurants, music and comedy venues.

### The Rebellion Walking Tour

This is an excellent opportunity to discover the city in a very unique way. The tour will be led by Lorcan Collins, author of the Easter Rising published in 2000 and James Connolly (2012) and founder of the 1916 Rebellion Walking. A fascinating and unforgettable moment awaits our guests during this tour where the group will meet fascinating actors like James Joyce, the Molly Malone along with musicians and poem readers.

There is no better way to be introduced to the capital of Ireland!

### Fabulous Food Trail

The award winning Dublin Walking Tour, Dublin Tasting Trail, delegates visit a range of bakeries, food halls, street markets, cheesemongers, delicatessens and other speciality shops. Delegates will meet artisans whose families have traded for generations producing great food as well as new arrivals to the food scene bringing new international tastes and food ideas to the Irish table. And they will taste Irish produce served in both traditional and contemporary styles.

As they enjoy the food, they'll also learn a little about the culture and history of each neighbourhood. Those familiar with the city will be amazed to discover food outlets and tasty surprised they never knew existed and visitors will leave with an insider and up to date knowledge of the best of what is happening food-wise in Ireland.



### Gaelic Games Experience

Take part in Ireland's unique National games of Hurling and Gaelic Football. Steeped in history these games offer all the elements which make a great team event: fun, co-ordination, skill and camaraderie.

Hurling is one of the world's oldest field sports and has been played in some form in Ireland for over 800 years. Played with a Hurl (stick) and a Sliotar (ball) you will learn the skills needed to lift and hit the ball in a fun and entertaining way.

- **Gaelic Football:** In essence the sport is a fast paced game requiring skill, speed, intelligence, strength and passion. It's a tough sport played at furious pace in which the ball can be kicked or punched, in an effort to get it into or over the opposing team's goal. With our fun experienced coaching we teach you the skills you need for this game.
- **Ethiad Skyline Tour:** Accompanied by an experienced tour guide, visitors will ascent to a walkway 44 metres above the grounds of the home of our national sport. Delegates can take in panoramic views of the Irish capital and find out more about Dublin's key landmarks. Skyline includes stops at five viewing platforms along Croke Park's 0.6km rooftop walkway. Each stop gives visitors the opportunity to learn about the highlighted buildings and sites in their line of vision.



TECHNICAL TOURS

# TECHNICAL TOURS

The Technical Tours have been organised to complement the FIG Working Week experience and will visit organisations and sites of particular interest to FIG delegates.

From the moment delegates register for their tour of choice, they will be provided information on meeting points and departure times, along with any other necessary logistical information.

Closer to the congress, delegates will be reminded of the centralised meeting points for the respective tour for which they had previously registered online. Delegates will then be escorted to the technical tour organisations and sites by coach. It is hoped that lunch will be provided by each host company. If this is not the case, delegates will receive a 'grab 'n' go' lunch bag on departure from the congress venue. Maximum numbers for each tour will be agreed in advance.

## Ordnance Survey Ireland (OSi)



Ordnance Survey Ireland (OSi) is the National Mapping Agency (NMA) of Ireland and has a proud 190 year tradition of innovation in mapping techniques which they continue to build on today. In 1846, Ireland was the first country in the world to be entirely mapped at the detailed scale of 6 inches to 1 mile. Today mapping in Ireland is based on a fully GNSS compatible mapping framework and infrastructure realised via a network CORS stations. In addition, a recently developed authoritative spatial data storage model (PRIME2) ensures consistent and unique referencing of topological state information.

During the visit to the OSi participants will be briefed on the development of the current mapping infrastructure, spatial data management and an outline of the products and services OSi provide.

**Location: Phoenix Park, Dublin**



## Birr Castle Demesne

Birr Castle Demesne houses an interactive science centre which reveals the wonders of early photography, engineering and astronomy. In the early 1840's, the Third Earl of Rosse designed and built the largest telescope in the world with which he discovered the spiral nature of some of the galaxies, and from 1845-1914, hundreds of scientists from around the world came to Birr to observe the stars and marvel at this feat of engineering in the middle of Ireland. This Reflecting telescope remained the largest in the world for over 70 years and is arguably the largest historic scientific instrument still working today. The 'leviathan' remains in the centre of the Demesne which includes 50 hectares of park land and formal gardens and terraces.

Participants will have the opportunity to view the 'Great Telescope' and take part in the interactive science centre in addition to enjoying the Castle grounds and facilities.

**Location: Birr, County Offaly – 1hr 45mins from Dublin**



## Newgrange (Brú na Bóinne)

Brú na Bóinne is a World Heritage Site and is dominated by three well-known large passage tombs, Knowth, Newgrange and Dowth with an additional ninety monuments built some 5,000 years ago. A thousand years older than the Pyramids and the oldest astronomical observatory in the world, Newgrange is completely intact since the Stone Age. Alignment of the passage tomb in Newgrange is such that at dawn on the winter solstice – December 21st – and for a number of days before and after, a shaft of sunlight enters the chamber through an opening in the roof box. The construction and alignment of these passage tombs have been the subject of much archeo-astronomy research in Ireland.

The Brú na Bóinne visitor centre contains exhibitions that describe the society that created the Neolithic tombs with particular emphasis on the building of the monuments. An audio-visual show deals primarily with the solar alignments in the Boyne Valley.

Participants will be briefed by on the construction and significance of Passage Tombs and have the opportunity to enter Newgrange passage tomb.

**Location: Boyne Valley, Co. Meath – 45mins from Dublin**



## Grangegorman (DIT Campus)

The Dublin Institute of Technology (DIT) is one of Ireland's largest and most innovative university-level institutions and the new DIT City Centre Campus – Grangegorman – which will unify DIT's multiple city centre campuses is currently under construction and will ultimately house all 20,000

students and 2000 members of staff. As nearly 20% of the student body comes from outside Ireland a culturally diverse and stimulating teaching and research environment will be created.

In the DIT College of Engineering, The School of Surveying and Construction Management are the longest-established and best educators of property, construction and spatial information professionals in Ireland and educate the full gamut of surveying professionals represented in the FIG commissions.

Participants will be briefed on the development of the Grangegorman campus and visit The School of Surveying and Construction Management.

**Location: Dublin City**



PRE & POST CONFERENCE TOURS

*Horse Riding on Rossbeigh Beach,  
Glenbeigh Killarney, Co. Kerry*

# PRE & POST CONFERENCE TOURS



Pre and post conference tours will be offered to FIG Working Week delegates. These will be run based on minimum numbers. Below is a sample of the tours that are available allowing delegates and accompanying persons to enjoy Ireland's beautiful scenery and affording them the opportunity of visiting historic places of note such as:

- Kilkenny City, Co. Kilkenny
- The Giant's Causeway, Co Antrim
- Bunratty Castle, Co Clare

## Tour 1: Dublin – Kildare – Shannon, 4 Day Tour

### Day 1

Up early, guests will make the easy transfer from Dublin to Ireland's horse county of Kildare, where they will be treated to a fabulous gourmet dinner and overnight in one of Ireland's most luxurious five-star golf resorts, The K Club, home of the Ryder Cup 2006.

### Day 2

It is a short trip from Kildare to the beautiful and scenic region of the Shannon, famous for the long and beautiful river that winds through this area and down to the Atlantic Ocean at Limerick City. Guests will be treated to a sumptuous dinner and overnight in the historic and opulent surroundings of Dromoland Castle.

### Day 3

Irish castle resorts are famous for their beautiful grounds and wide range of activities. To avail of the best this resort has to offer, delegates can spend a morning trying out sports like clay-pigeon shooting or angling.

Later, guests will be taken to Bunratty Castle & Folk Park, which includes a 13th century castle and a fascinating folk park. This attraction recreates rural and urban life in 19th-century Victorian Ireland. Lunch will be served in the authentic and cosy surroundings of a traditional Irish pub. Bunratty is famous for its lively nightlife and guests can later enjoy dinner in one of the town's cracking pubs, Durty Nelly's.

### Day 4

It's a quick transfer to Shannon Airport for departure.

## Tour 2: Dublin – Wicklow – Kerry, 5 Day Tour

### Day 1

After enjoying breakfast in the hotel, guests will be picked up by a fleet of Land Rover Jeeps and will have to complete several testing challenges on the way to Ballyknocken House in County Wicklow, just south of Dublin. Get ready for an Irish dancing competition, Guinness pint pulling, and a clue-solving session involving the locals!

On arrival, guests will be treated to an extraordinary lunch in the delightful and traditional Hay Barn. Afterwards, it's off to the forest where everyone gets the chance to drive specially prepared Land Rover vehicles over the rocky Wicklow mountain terrain. Also on the agenda are blind driving challenges and clay pigeon shooting.

After the day's activities and prize giving, the group will travel back to their selected hotel in a convoy – guests can keep in touch with each other via special radio sets on the way back to the hotel. After some chill out time in the hotel it is off to a chic city centre restaurant for dinner.

### Day 2

After breakfast in the hotel, guests get the chance to explore the charms of Dublin city for themselves. That evening it is off to the outstanding Number Six Kildare Street, home of the Royal College of Physicians of Ireland and one of Ireland's most prestigious addresses for private dinner and entertainment.

It's fun all round as guests are met by a traditional piper who will lead them into the venue for drinks and canapés before dinner.

This is no ordinary venue, the reception will be held in the stunning Graves Hall while listening to a band performing French and Italian Café music, and Brazilian bossa nova.

Dinner is served in the impressive Corrigan Hall with post-prandial musical treats from a string quartet and singing pianist.

### Day 3

Breakfast is in the hotel before transfer to magnificent Killarney by coach, stopping off at the picturesque Adare village for lunch. Along the way, guests stop off to pick up a lively hitchhiker character to entertain them on their way, before arriving at the hotel and taking a leisurely stroll around this awe-inspiring Kerry town.

It's a traditional pub dinner that evening, where guests can relax and enjoy the jovial atmosphere, including Irish dancing and singing from the experts and invitations for everyone to join in!



### Day 4

It's off by coach to Kate Kearney's Cottage, where guests are greeted by local Jarveys with their horses and jaunting cars. This is the mode of transport for the next seven miles through the hauntingly beautiful Gap of Dunloe.

Lunch is a BBQ served at Lord Brandon's Cottage beside the lakes and afterwards guests are treated to an amazing falconry display. This is

followed by a boat trip across the three lakes of Killarney and the day ends at an Irish castle, where guests are transferred back to the hotel.

A private farewell dinner is served in one of Killarney's finest restaurants before the evening's entertainment commences – a lively Irish band to finish the trip on a high note!

### Day 5

Guests are transferred to Shannon Airport for their return flights home.

## Tour 3: Dublin – Belfast – Dublin, 3 Days

### Day 1: Discovering Northern Ireland

Before departing Dublin for Northern Ireland guests will visit Malahide Castle, which is set on 250 acres of parkland in the pretty seaside town of Malahide. Here, guests can enjoy a light lunch in Cruzos restaurant on the Marina in Malahide before embarking on the drive towards Belfast City.

After checking into a luxury hotel, guests will be chauffeured by a local guide in a traditional black taxi for a tour of Belfast City. This tour allows guests to sit back and to acquaint themselves with Belfast city which is steeped in history and culture.

Evening entertainment is provided as guests dine in one of Belfast's great restaurants.

### Day 2: The Giant's Causeway

On day 2, guests will visit Northern Ireland's premier tourist attraction, The Giant's Causeway. This site is comprised of 40,000 basalt blocks with interlocking basalt columns, formed by cooling lava some two million years ago. Legend has it that the giant Finn McCool, the Ulster warrior, built giant sized stepping stones to bring his love from the island of Staff off the Scottish coast across the sea to Ulster.

Guests will also be given an opportunity to visit the heart-stopping Carrick-a-Rede Rope Bridge. For those brave enough to cross the 24m deep and 18m wide Atlantic chasm, they will enjoy stunning views over the sea to the Scottish Coast.

Three kilometres from this fascinating causeway coast brings you to Bushmills, home to Ireland's oldest working distillery and the oldest licensed distillery in the world. Here, guests can enjoy lunch and a guided tour before departing back to Belfast.

Evening entertainment is in the form of a Gala dinner at Waterfront Hall, Belfast. It is the perfect venue for your final night in Ireland. After dinner enjoy the spectacle of a troop of Irish Dancers, who will perform a selection of routines from the lyrical moves of soft shoe dance to the more dynamic moves and sound of hard shoe. Guests will stay overnight in their luxury Belfast City Centre Hotel.

### Day 3

It's up early for transfers to Belfast/Dublin/Shannon Airport and a farewell to the green Isle.





DUBLIN – CITY OF LIVING CULTURE

# DUBLIN – CITY OF LIVING CULTURE

Dublin, Ireland's capital is a city that truly captures your imagination with cobbled alleys, Viking remains and Georgian squares. Dublin's history goes back over a thousand years. Step back in time in this city full of literary landmarks, from the James Joyce Tower to Trinity College, alma mater of many of Ireland's greatest writers.

Steeped in history and youthful energy, Dublin is a medieval city where the charming and cosmopolitan converge in delightful diversity. Fine museums and art galleries chronicle Dublin's long and colourful past, while the pubs and cafes buzz with traditional and contemporary entertainment.

Throughout Dublin city and county you will find an abundance of visitor attractions to discover and explore, from the most majestic museums to more modern centres of entertainment. Whether your interest is sport, history, art or literature, whether you want to follow a heritage trail, visit a zoo, eat in a castle or follow in the footsteps of Dublin's many musical greats, there's something for everyone in Dublin and a story at every glance.

## The Dublin Region

County Dublin is ideally situated on the east coast of Ireland and just a 20 minute journey will bring the visitor from the bustling city to the charming coastal towns and villages of the county which dot the sometimes rugged, sometimes sanded coastline and provide boundless opportunities for craft shopping, water sports, seafood dining and picturesque walks against the spectacular backdrop of Dublin Bay.

## Enjoying Dublin

Dublin is home to the friendliest people in the world. Add to this live music, packed pubs, hip clubs and plenty of culture plus a real passion for sport and you have everything you need for a madly memorable time in Dublin!

It is no secret that Dubliners love to party. Dublin's unique spirit of fun and entertainment is evident in the many festivals and events organised throughout the year. Below are some ideas for discovering Dublin city and region:

- Visit some of Dublin's most historic sights, including Trinity College, the Book of Kells, Dublin Castle, Dublinia, Christ Church Cathedral, the Dublin Writers Museum and the Old Jameson Distillery to name but a few.
- Take part in the Literary Pub Crawl around Dublin's pubs, which have been frequented by literary luminaries, such as James Joyce, Oscar Wilde and Brendan Behan.
- Enjoy the delights of shopping around the designer stores on Grafton Street and The Powerscourt Townhouse.
- Golf at the K Club, home of the Ryder Cup 2006.
- Savour a pint of the black stuff while enjoying 360 degree views of the city in the Gravity Bar in the Guinness Storehouse.
- Enjoy a day of being pampered at one of Dublin's top Spas.
- A Treasure Hunt of Dublin City. This will take place over an hour and a half and consists of three components: the Clues round, the Scavenger hunt and the Bar challenge.
- Enjoy a day's sailing experience on a tall ship or speed around Dublin bay in high speed ribs.
- Taste your way around Dublin with the Fabulous Food Trail which showcases Irish handmade foods and artisan producers.
- Enjoy foot tapping, hand clapping traditional Irish music and dance at Johnnie Fox's pub, the Merryploughboy, the Abbey Tavern and Taylors Three Rock Pub.

## DUBLIN AND THE ARTS

Dublin is a city that truly captures your imagination. Intimate as a village, sophisticated as a metropolis, friendly as your local pub, the capital city of Ireland is a centre of infinite interest and activity. Dublin embodies two very distinctly different features – its rich and varied history and cultural life which coexists happily with the ever changing, vibrant beat of contemporary life.

Dublin's illustrious literary tradition dates back over a thousand years and in 2010, Dublin was designated a UNESCO City of Literature. Birthplace of James Joyce and Nobel Prize for Literature winners William Butler Yeats, George Bernard Shaw and Samuel Beckett, and home of The Book of Kells, Dublin is a truly inspirational city.

Music and song play a large part in the artistic make-up of Dubliners. The city provides a showcase for all facets of such talent from which traditional Irish Folk musicians such as The Dubliners, The Chieftains

and contemporary artists like U2, Chris De Burgh, Sinead O'Connor and Glen Hansard have found inspiration and international popularity.

Music, whether it be classical, traditional or contemporary is very accessible in Dublin, often experienced with its natural accompaniment – dance. Visitors may try their hand at traditional set dancing or dance the night away at one of the numerous trendy night clubs that illuminate Dublin's night sky and carry the beat of the city well into the morning hours.

Internationally renowned artists are frequent visitors to the city with an abundance of first class performances as varied as the Bolshoi Ballet to the staging of rock concerts. Comedy and cabaret also feature strongly in the entertainment line-up and can be sampled at a multitude of impressive venues across Dublin.



**Caravaggio, The Taking of Christ** (1602), with kind permission of the Jesuit community who acknowledge the generosity of Dr. Marie Lee Wilson

The National  
Concert Hall,  
Dublin



National Museum  
of Ireland,  
Archaeology and  
History, Dublin





 **GOLFING IN IRELAND**

*Woodenbridge Golf Club,  
Vale of Avoca, County Wicklow*

# GOLFING IN IRELAND

Ireland is home to many challenging links and parkland golf courses set against a backdrop of a stunning and rugged landscape, which attracts golfers from around the world. With over 400 golf courses to choose from, it's a dream come true for most golfers to step in the footsteps of the greats and play on some of the world's most famous courses.

## Fáilte Ireland Approved Golf Clubs

Whenever you see the 'Golf Ireland, Time to play' symbol above you can be assured that this golf club is visitor friendly and the club is committed to delivering high quality services and facilities. Ireland is the first country to set up a nationwide approval scheme for golf courses.

This scheme was launched by Fáilte Ireland in 2010 to navigate consumers towards an excellent Irish golfing experience. For more information visit our website [www.discoverireland.ie/golf](http://www.discoverireland.ie/golf) or contact the golf department by email: [golf@failteireland.ie](mailto:golf@failteireland.ie)

## Green Fees

Most clubs have special rates for visitors and groups. Some clubs have banded together and offer a special pass. Be sure to ask about any special offers from the clubs.

## Caddies, Clubs, Buggies and Motorised Carts

Caddies are available at the bigger championship courses but do book ahead.

Most clubs also offer club hire. If you are looking to hire a buggy or cart do ask when you make your booking as some clubs only have a limited number.

## Dress Code, Soft Spikes and Handicap Certificate

Despite the influx of fashionable young players like Rory McElroy, Irish golf is still quite traditional. Jeans shorts and trainers are frowned upon and smart casual is the safest bet. Most clubs are moving towards a policy of only allowing soft spikes so do check in advance and if you do have a handicap certificate from your local club it's worth bringing it along.



*Clockwise from top-left: Wicklow Golf Club; Waterford Castle Hotel and Golf Club; Headfort Golf Club, Co. Meath; 9th Green, Blainroe Golf Club, Co. Wicklow; and 18th Green, Druids Glen Resort, Co. Wicklow.*

# AVERAGE FLIGHT TIMES



# COUNTY DUBLIN



The background of the image is a close-up photograph of ancient Celtic wall markings. The surface is a mix of brown and tan tones, with intricate, swirling patterns etched into the stone. The text is overlaid in a white, stylized font that mimics the look of ancient script.

DUBLIN WOULD BE  
PROUD TO HAVE YOU  
AND DUBLIN WILL DO  
YOU PROUD

*Celtic wall markings at Newgrange Visitor Centre, Donore, Co. Meath  
Constructed over 5,000 years ago (3,200 B.C.) A World Heritage Site*



**Dublin**  
CONVENTION BUREAU

PROMOTING DUBLIN AS A WORLD  
CLASS BUSINESS DESTINATION



**Fáilte Ireland**  
National Tourism Development Authority

[www.dublinconventionbureau.com](http://www.dublinconventionbureau.com)

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**Contact details for the FIG Working Week 2019 bid**

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Dublin Convention Bureau is part of Fáilte Ireland – the national tourism authority in Ireland and supports this bid.

## Summary of the bids for 2019 – Ireland, Dublin, Society of Chartered Surveyors Ireland/RICS

The following clarification is based on information given in the bid documents. Below is a summarized comparison from given bids. All variables were submitted in the original bid for proposals. This document is a summary of each country's bid and is meant to be a fact based document.

Criteria	Ireland, Dublin, Society of Chartered Surveyors Ireland/RICS
<b>1. Rotation of the conference:</b> Previous and planned conferences:	Europe (2017, 2015, 2012, 2008) <b>Congresses:</b> 2014: Asia and the Pacific (Malaysia); 2010: Asia and the Pacific (Australia); 2006: Europe (Germany), 2002: North America (USA); 1998: Europe (United Kingdom); 1994: Asia and the Pacific (Australia) <b>Working Weeks:</b> 2017: Europe (Finland) 2016: Asia and the Pacific (New Zealand); 2015: Europe (Bulgaria); 2013: Africa (Nigeria); 2012: Europe (Italy); 2011: Africa/Arab countries (Morocco); 2009: Asia/Middle East (Israel); 2008: Europe (Sweden); 2007: Asia (Hong Kong SAR, China); 2005 Africa/Arab countries (Egypt); 2004: Europe (Greece); 2003: Europe (France); 2001: Asia (Republic of Korea); 2000. Europe: Czech Republic.
<b>2. Country</b> hosting of earlier FIG events and general experience	There has not been a FIG Conference or General Assembly in Ireland in the past. The last FIG Conference in UK was the Congress 1998 in Brighton. Forbes 2011 named Ireland as the best country in Europe in which to do business.
<b>3. Member association</b> Its activeness, Commitment to FIG and to FIG 2019 Execution ability for local association	SCSi resigned from FIG in 2012 due to a merger with RICS and is today represented through RICS. SCSi is supported by RICS. Over 5,500 members Member not in arrears.
<b>4. Supporting organisations</b> Local support to the Working Week Governmental support Financial support General support	This bid is supported by the Department of the Taoiseach, Fáilte Ireland (the National Tourism Development Authority), the Lord Mayor of Dublin, Dublin Convention Bureau and the Irish industry suppliers, hereunder Commissioner of Valuation, Geological Survey of Ireland, Ordnance Survey of Ireland, RICS, Property Registration Authority. Fáilte Ireland, Ireland's National tourism Authority, will offer FIG Working Week financial support of €10 per international delegate for the first 999 delegates attending and €20 per international delegate for each delegate over 1000 pax.
<b>5. Host city</b> Characteristics and interest from congress programme point of view Host city attractiveness Host city offerings	Dublin is a unique capital that's steeped in tradition yet young at heart. In the historic, compact city centre there is lots to do and see, rich selection of galleries, national museums which have free entry, restaurants, pubs and shops, not to mention the traditionally warm welcome from Dubliners. Scoring high on essential criteria such as suitability, accessibility, facilities and service, Dublin delivers in its own inimitable way. Dublin Convention Bureau will support FIG through a number of direct services e.g. Discounted Dublin Pass – the official city sightseeing card, visitor maps, tourist information desk. Dublin city itself is small, compact and is easy to get around by foot. It also has a good transport system, which includes an urban rail system (DART), a stylish new tram network (LUAS) and an extensive city/countrywide national train and bus service. A universal public-transport access card is available allowing delegate's access to all parts of the city by bus, DART or Luas. Taxis are plentiful and reasonably priced by international standards. Examples of Destination Cost of Living <ul style="list-style-type: none"> <li>• Coffee in a Typical Café: €2.50-€3.00</li> <li>• 50cl bottle of mineral water: €1.20</li> <li>• Sandwich: €3.50-€4.00</li> <li>• Typical Meal Cost (including drink): €15-€20</li> </ul>

Criteria	Ireland, Dublin, Society of Chartered Surveyors Ireland/RICS
<p><b>6. Venue</b></p> <p>Price/affordability Location of venue Internet availability Suitability of rooms, size of venue, structure and layout of the venue Catering Value for money Hotels nearby Facilities for exhibition</p>	<p>The Convention Centre Dublin (CCD). Built 2010. The CCD has won 25 major industry awards since opening in September 2010. The venue is suitable for a FIG Working Week in both number and size of conference rooms</p> <p>6 Spacious foyer areas – with views of Dublin City, bay and mountains on upper foyer levels, New technology and wi-fi throughout</p> <p>Public Transportation to Convention Centre Bus: Typical bus journey from city centre to Convention Centre - 70c. LUAS: Typical LUAS Journey Zone 1 - €1.80 Integrated Ticket for bus, train &amp; LUAS - €10.00 (includes €5 credit). Delegate discounts will be made available. Dublin City Bikes: 3 day ticket - €2.00 Taxi: Typical taxi fare from city centre to Convention Centre - €8.00</p>
<p><b>7. Accessibility</b></p> <p>Flight connections Several access possibilities Security Visa issues Air fare to destination</p>	<p>Ireland, located on the edge of Europe, is less than an hour from London, less than two hours from Paris or Brussels and five hours from the east coast of the US by air. Dublin airport is the 11th largest in Europe in terms of international traffic, which has more than 175 destinations served by 57 scheduled airlines. A new terminal opened in 2010, increased its capacity to well over 30 million passengers a year. Dublin Airport is located 12km north of Dublin city centre. Dublin Port Tunnel cuts journey time from the airport to the city centre, to 12-15 minutes. Taxis are readily available for hire outside the airport (a taxi journey into the city centre from the airport should cost approximately €25). Visa applications are on-line using the AVATS on-line facility. Citizens of certain countries require a visa to travel to Ireland. Applicants should note that all non-EU citizens, whether a visa is required or not, will be subject to ordinary immigration controls at the port of entry. Dublin Convention Bureau will work closely with FIG, the local organising committee and the Department of Foreign Affairs to ensure that Visa applications are processed efficiently. Visas are not currently required by EU Nationals, EFTA Nationals or USA, Canadian or Australian nationals, visitors are required to have a valid passport. Information on nationalities requiring a VISA may be obtained from any Irish Embassy or Irish Tourist Office.</p>
<p><b>8. Safety and security</b></p> <p>Political stability Airport safety City safety – is it safe to move around? Political stability in country (rating must be 3 or higher)</p>	<p>Political stability in the country. The Republic of Ireland is a parliamentary representative democratic republic. The present government is a coalition of Fine Gael (a centre right to centrist party) and the Labour Party. The state operates under the Constitution of Ireland, which falls within the Liberal Democratic tradition. Diplomatic relations of Ireland are substantially influenced by its membership of the European Union, although bilateral relations with the US and the UK are also very important to Ireland. It is one of a group of smaller nations in the EU and has traditionally pursued a nonaligned foreign policy. Ireland tends towards independence in foreign policy, is not a member of NATO and has a long-standing policy on military neutrality. Ireland is consistently the most pro-European of EU member states, and is a founder member of the euro currency. Dublin is a safe and welcoming city.</p>
<p><b>Proposed dates</b></p> <p>Must meet FIG requirements Following FIG statutes Practical dates</p>	<p>29 April - 3 May 2019 17-24 May 2019 24-28 June 2019</p>

<b>Criteria</b>	<b>Ireland, Dublin, Society of Chartered Surveyors Ireland/RICS</b>
Availability of venue Other conferences at same time	
<b>9. Technical programme</b> Coverage of all FIG Commissions, Potential partners Originality Special ideas	Nothing expressed in the bidding document.
<b>10. Technical tours</b> Coverage of all FIG Commissions Originality Ideas proposed	The Technical Tours will be organised to complement the FIG Working Week experience and will visit organisations and sites of particular interest to FIG delegates. Proposed tours: Ordnance Survey Ireland (OSi) is the National Mapping Agency (NMA) of Ireland, Birr Castle Demesne houses an interactive science centre which reveals the wonders of early photography, engineering and astronomy, Brú na Bóinne is a World Heritage Site and is dominated by three well-known large passage tombs, Knowth, Newgrange and Dowth with an additional ninety monuments built some 5,000 years ago. The Dublin Institute of Technology (DIT) is one of Ireland's largest and most innovative university-level institutions and the new DIT City Centre Campus – Grangegorman – which will unify DIT's multiple city centre campuses is currently under construction and will ultimately house all 20,000 students and 2000 members of staff
<b>11. Social programme</b> Attractiveness and variety Proposals for dinners Attractiveness of offered dinners Proposals for tours Is the program following the overall FIG concept	A variety of proposals for the social programme that gives a broad insight in the Irish culture, both old and new. Venue options are among others the Old Jameson Distillery, Trinity College Dublin, founded in 1592, is the oldest university in Ireland, The Guinness Storehouse and Dublin Castle.  A broad range of social tours are offered including walking tours in the old Dublin centre, Sight Jogging Tour of Dublin, The Rebellion Walking Tour and The award winning Dublin Walking Tour, Gaelic Games Experience, Dublin Tasting Trail, delegates visit a range of bakeries, food halls, street markets, cheesemongers, delicatessens and other speciality shops.  Also a range of pre and post tours are offered, incl Golfing
<b>12. Attendance</b> Expectation of international, regional and local attendance Realistic number of international and national participants	800-1200 conference delegates
<b>13. Accommodation</b> Hotel costs Value for money Variation in hotel offers Closeness to proposed venue Transportation to venue	Dublin offers over 160 hotels with just over 18,000 beds, all approved by Fáilte Ireland – The National Tourism Development Authority. Hotels range in price from the luxury 5 star experience to more affordable budget accommodation. Visitors can choose either city-centre hotels within walking distance or hotels in the leafy suburbs of Dublin which can be easily accessed by bus, tram, train or taxi. Quite many hotels near the conference venue.  Price range (single room) 5* 310-360 EUR 4* 175-240 EUR 3* 170-215 EUR 3* in city centre €100-€140 EUR
<b>14. Finances</b> Estimate of surplus and financial risks	The budget seems realistic. Balance based on 800 part: 38,152 EUR, 1000 part: 110,479, 1200 part: 182,806

<b>Criteria</b>	<b>Ireland, Dublin, Society of Chartered Surveyors Ireland/RICS</b>
Realistic fees proposed Fees in an acceptable price range Difference between international and national fees Realistic budget Estimated revenue	Fees suggested: Early bird: 610 EUR, Normal: 710 EUR, Late: 770 EUR, Students: 225 EUR, Acc. pers: 165 EUR Dinner fees suggested: gala dinner: 120 EUR, Irish evening 95 EUR
<b>15. Sponsorship</b> Estimate sponsorship and exhibition income Proposed income How realistic is proposed income Local sponsor offerings Sponsor interest to conference	There is a realistic budget for sponsorship and exhibition income and a quite large local engagement is expected.
<b>16. Why host</b>  Reason for hosting	Long and notable history of surveying and measurement from the carefully aligned network of hill-top monuments constructed over 5,000 years ago, to the completion of the world's first large-scale national mapping in the mid nineteenth century and, in the last decade, the National Seabed Survey that ranks amongst the largest marine mapping programmes undertaken anywhere in the world. Meanwhile, Ireland has one of the most open economies in the world and most of the major international IT companies have established bases in Ireland. At the same time, young Irish graduates can be found bringing their skills and enthusiasm to all corners of the world and, in many cases, returning home enriched professionally and culturally by their time abroad.
<b>17. Objectives and outcomes</b> Thought through why conference should be held at destination Difference to other destinations Short term outcome Long term outcome	Ireland is at the forefront of innovation and technological advancement. The vision to host the FIG working week 2019 would enable SCSi to maximise the opportunity to go Beyond Borders – geographically, economically and professionally.
<b>18. Suggested theme</b> Thought of possible theme that fits to local/regional situation	'Beyond Borders' reflects an aspiration towards a more inclusive surveying world. - politically - socially - scientifically There is a proposed logo
<b>19. Events organized in the past three years</b> How experienced is the host in organising events	SCSi has co-ordinated the annual national and regional events for many years, incl Annual Dinner which was attended by in excess of 1200 in February this year; the Annual Conference which was attended by c. 500 delegates in October of this year as well as many other regional forums and events. SCSi has held events in many of the city's top venues, including the Dublin Convention Centre. The SCSi is a member of CEPI – the European Council of Real Estate Professions – SCSi is hosting its annual general assembly in Dublin, for which we have organised interpretative facilities and social activities, as well as hosting CEPI's working schedule. Events organisation in the society is a key element of our operations and is managed by the Innovation and Business Development Department.
<b>20. Major event planned in the proposed city in 2017</b> Many events might affect the price level	Nothing expressed in the bidding document.
<b>21. Initiatives for sustainable conference</b>	Convention Centre Dublin was the world's first carbon neutral convention centre. CCD has developed an environmental management policy to positively impact on

<b>Criteria</b>	<b>Ireland, Dublin, Society of Chartered Surveyors Ireland/RICS</b>
<b>environment</b> Is host city paying attention to environmental issues Is venue paying attention to environmental issues Is host paying attention to environmental issues	local, national and global environmental issues and is specifically working on a positive development on the environment such as minimizing waste, Ensuring that any paper and timber we use is obtained from sustainable forests and conserve energy as well as select renewable sources of energy and materials where possible. the local Destination Management Company (DMC) are currently in the process of seeking accreditation under the ISO 20121: Events Sustainability Management Systems. This is testament to Event Partners’ environmentally friendly and sustainable approach in the services they provide to conferences as well as internally amongst their own staff. FIG delegates are encouraged to think in terms of their carbon footprint when organising travel to the conference including offering carbon offsetting and promoting the use of public transport throughout the event. Dublin is a compact, easily walkable city with the area around the CCD served by coastal train (DART), Dublin Bus and a light rail network ( LUAS). Special CSR initiatives such as “Plant a tree for Life” and “build a bike for an Irish Charity.
<b>22. New initiatives or activities</b> Originality – but within the overall FIG concept	Intergenerational initiatives Marine sector
<b>23. What legacy to leave locally from the Working week</b>  With host Hosting city For the surveying community	Nothing expressed in the bidding document.
<b>VALUATION</b>	
<b>Issues supporting destination</b>	<ul style="list-style-type: none"> <li>- Ireland is active within FIG and has participated actively in earlier events and know the FIG Conference Concept</li> <li>- There has not been a FIG event in Ireland in the past</li> <li>- Proposed venue will work well for FIG purposes</li> <li>- Safe destination</li> <li>- Budget is realistic and surplus is estimated</li> </ul>
<b>Issues against destination</b> -	<ul style="list-style-type: none"> <li>- Price level on hotels around the conference venue is expensive</li> <li>- Conference fee is high compared to previous events</li> </ul>



INSTITUTION OF  
SURVEYORS OF  
KENYA



**INSTITUTION OF SURVEYORS OF KENYA BID TO HOST THE FIG  
WORKING WEEK 2019 IN NAIROBI, KENYA**

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## THE INSTITUTION OF SURVEYORS OF KENYA

**27 November 2014**

Ms Louise Friis-Hansen  
FIG Manager  
International Federation of Surveyors  
Kalvebod Brygge 31-33, DK-1780  
Copenhagen V, DENMARK

Dear Ms. Frii-Hansen,

### **INVITING FIG TO SUPPORT ISK BID TO HOST FIG WORKING WEEK 2019**

The Institution of Surveyors of Kenya proposes to host the FIG working week 2019. In view of that, please find our bid document attached.

We believe that hosting the Working Week will greatly impact on the development of the surveying profession not only in Kenya but across the Eastern African region. It will also be a great honour for our Country.

As you will note from our bid both ISK and the Country have the capabilities required to hold a successful international event. We have also received endorsement from the Kenyan Government for our bid.

We look forward to partnering with FIG in hosting this great event week.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'Paul Wambua', with a horizontal line underneath.

**Paul Wambua**  
**CHAIRMAN**

## Proposed Working Week Theme:

Tying knowledge and practice –Mainstreaming knowledge management in the Surveying profession

Proposed dates:

17th – 24th May 2019

7th – 14th June 2014 or 14th to 21st June 2019.

The are no Major events slated for May - June 2019 in Nairobi



**MINISTRY OF LAND, HOUSING AND URBAN DEVELOPMENT**

Ms Louise Friis-Hansen  
FIG Manager  
International Federation of Surveyors  
Kalvebod Brygge 31-33, DK-1780  
Copenhagen V, DENMARK

Dear Ms. Frii-Hansen,

**RE: SUPPORT ON INSTITUTION OF SURVEYORS OF KENYA BID TO HOST FIG WORKING WEEK 2019**

The Ministry of Land, Housing and Urban Development in Kenya is charged with the responsibility of providing policy direction and coordinating all matters related to lands, housing and urban development. It is the key contact point for all matters related to land, housing and urban development for Country. It is also the link between the Government and professionals in these sectors. The Ministry has under its regulatory boards that regulate professionals in the sector.

We have learnt with appreciation efforts by the Institution of Surveyors of Kenya (ISK) to host the FIG working week 2019. It is our view that the Working Week will greatly impact on the development of the various professionals represented by ISK and indirectly by FIG. It will also be a great honour for our Country.

In view of the above, this is to express the Government of Kenya's support for the bid by ISK to host the FIG working week. The Government will accord the event both moral and material support to ensure the event is a success. Our Ministry undertakes to coordinate all Government departments and agencies during the preparations as well as actual hosting of the event.

We look forward to having the bifd by ISK receive approval by the necessary FIG organs.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'Mariamu elMaawy'.

**Dr. Mariamu elMaawy**  
**Principal Secretary**



**Our Ref UON/RECM/ISK/03**

Ms Louise Friis-Hansen  
FIG Manager  
International Federation of Surveyors  
Kalvebod Brygge 31-33, DK-1780  
Copenhagen V, DENMARK

Dear Ms. Frii-Hansen,

**SUPPORT ON INSTITUTION OF SURVEYORS OF KENYA BID TO HOST FIG WORKING WEEK 2019**

The University of Nairobi is recognized for expertise in training of the professional surveyors in the land, property and built in the Eastern African region. The University of Nairobi (UON) was earlier in the year ranked as the best local and regional university. It was also ranked 9 in Africa out of the 1,326 universities in Africa. We have learnt with appreciation of the on going efforts by the Institution of Surveyors of Kenya (ISK) to host the FIG working week 2019. It is our view that the Working Week will greatly impact on the development of the various professionals represented by ISK and indirectly by FIG. It will also be a great honour for our Training Institution as the premier Institution of choice in the Land Surveying Professions since 1956. The University of Nairobi supports the bid by ISK to host the FIG working week. The University will accord the event both moral and academic resource support in terms paper presentation and faculty participation in the various Working Week thematic groups to ensure the success of the event here in Nairobi, Kenya. We look forward to receive your confirmation that the bid by ISK meets the criteria to be considered as a qualified and a suitable host by the relevant FIG organs.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Mary W. Kimani', written over a light blue oval background.

**Dr. Mary W. Kimani PHD, MBS**  
**Chair and Senior Lecturer**  
**Head of Department of Real Estate and Construction Management**



The Kenyatta International  
Convention Centre

KICC/7/54/Vol 2(807)

27 November 2014

Ms Louise Friis-Hansen  
FIG Manager  
International Federation of Surveyors  
Kalvebod Brygge 31-33, DK-1780  
Copenhagen V, DENMARK

**RE: BIDDING TO HOST FIG WORKING WEEK 2019**

The Kenyatta International Convention Centre (KICC) is a State Corporation reestablished through a State Corporation under the Tourism Act 2011 with the primary mandate of promoting and marketing conference tourism both locally and internationally. In line with our mandate, we are looking forward to bid for FIG Working week 2019.

Through the Ministry of East African Affairs, Commerce and Tourism and other key stakeholders, we have hosted highly distinguished International Conferences. Currently Kenya is ranked 2nd in Africa according to International Congress and Conventions Associations (ICCA)2013 statistics. This ranking proves our efforts to ensure our International delegates receive only the best treatment while attending events within the centre.

The experience and dedication that the Kenyatta International Convention Centre has shown in bidding, winning and eventually hosting these conferences goes to show that the same commitment and attention will be given to the FIG working week 2019. We have a professional team with a lot of experience in conferencing, modernized meeting facilities and state of the art audio-visual equipment.

In this respect, we are writing to register our assurance in quality service and ability to host the aforementioned conference.

As has been the tradition, Kenya is making elaborate plans, through the Kenyatta International Convention centre, Kenya Tourist Board and all the Tourism bodies in the Country, to ensure that delegates experience magnificent sight seeing to ultimately have a memorable pre and post- conference experience while in Kenya.

In conclusion, I reiterate that Nairobi invites you to the FIG working week 2019 and free to seek clarification on any aspect of our preparedness to ensure a successful conference.

Yours Sincerely,

**Fred Simyu**  
**MANAGING DIRECTOR**

# Introduction

## Composition of ISK

The Institution of Surveyors of Kenya is a professional organization that brings together the disciplines of the surveying profession in Kenya. These are Valuers, Land Surveyors, Geomatic Engineers, Registered Estate Agents, Property Managers, Building Surveyors, Land Administration Managers and Facilities Managers.

## Membership to FIG

ISK is in good standing with International Federation of Surveyors. ISK has been represented in almost all the FIG Congresses and working weeks. ISK members have also steered in various commission achieving commendable results during their term.

ISK hosted the International Conference on Spatial Information for Sustainable Development in collaboration with FIG and the United Nations Centre for Human Settlements (Habitat) held from 2nd to 5th October 2001. Key outcome from the conference was the recognition that development and implementation of a National Spatial Data Infrastructure is a prerequisite for promoting Sustainable Development.

ISK also hosted the first FIG African Task Force Workshop on Peri-Urban Settlements: Tools & Techniques for Surveyors to ensure Environmental and Social Resilience in cooperation with Taskforce. The workshop with participants from Africa and beyond was held on 11th and 12th November 2010. in Mombasa, Kenya,

The Institution was privileged to host former FIG Presidents severally. On 18th April 2013, ISK organized for an address by the former FIG President CheeHai Teo at the students Department of Geospatial and Space Technology, School of Engineering at the University of Nairobi on "the Role and Opportunities for Surveyors in the ever Changing Global Arena"



Chairman Collins Kuwuor is on President CheeHaiTeo's left and Deputy Chairman John Kihagi on the right together with ISK's Council Members and senior members



A segment of the audience, mostly undergraduates and young surveyors

# Past & Present Kenya

Kenya has been crossed by the paths of a long and complex history. From the prehistoric records of early man to the present day, Kenya has been a land of unending change, contrasts and diversity.

Kenya celebrated its 50th birthday late last year. Looking back from 1963 when she attained independence, the country has gained milestones economically and achieved great strides in terms of service Provision, Infrastructure and Governance.

Kenya has made great effort in eradicating Poverty, Ignorance and Disease which have been the country's greatest challenge since independence. Education has improved, more people are now literate especially women.

Health care is now easily accessible because of increased facilities and trained medical personnel. Economic growth is driven by people who are now successful entrepreneurs engaging in various businesses.

The Roads, Airports and other infrastructure Network systems have improved greatly since independence.



People used to walk long distances due to lack of means of transport and communication seemed to be a hard task because of outdated technologies. The Kenya today has greatly changed because now we have Airports, modern transport in the roads and communication is advanced, easy and reliable.



*Kenya has been crossed by the paths of a long and complex history. From the prehistoric records of early man to the present day, Kenya has been a land of unending change, contrasts and diversity.*

## Cultural Life & Entertainment

Kenya is a country of diverse cultures; it comprises of 42 ethnic communities with different traditions and customs and different languages and dialects. Despite the differences, they come together as one people speaking the Swahili language which is the National language and with different traditional music and dances that can keep you entertained.

Kenya has a number of popular attractions that include; the Giraffe centre in Nairobi, national park, Fort Jesus in Mombasa, Nairobi National Museums and tremendous topographical diversity, including glaciated mountains with snow-capped peaks, the Rift Valley with its scarps and volcanoes, ancient granitic hills, flat desert landscapes and coral reefs and islets. Kenya has been able to develop its own unique culture by blending the best of many worlds into a strong, singular identity.

# Why Host ?

*The FIG working week in Kenya will explore the development of a knowledge management concept for the surveying profession which will enhance the status of the surveyors*

ISK is a local version of FIG in the region with a capacity to host international conferences. The region is yet to host an FIG working week or a congress despite the advancement of the surveying practice in Kenya. Hosting the FIG working week will achieve the following:-

- Mobilize and spear head the recruitment of more professionals from Africa.
- Strengthen the membership of FIG in Africa,
- Enhancing the surveying profession in the region
- By hosting the working week ISK will enhance the capacity of its members.

## **The contribution of ISK FIG Working week to surveying in Kenya and the region**

The FIG working week in Kenya will explore the development of a knowledge management concept for the surveying profession which will enhance the status of the surveyors.

It will assist countries in the region better integrate surveying in their development agendas such as infrastructure development, mining and agriculture among others.

## Supporting organizations

The conference will be supported by the Government of Kenya through various bodies This includes;

1. The Ministry of Land, Housing and Urban Development
2. Ministry of Foreign Affairs and International Trade
3. Kenyatta International Convention Centre
4. University of Nairobi
5. Technical University College

## Attendance

It is expected that Working Week 2019 will attract participants from 70-90 countries. There are close to 5000 professionals in the surveying from the regional who will also be expected to attend.

## Objectives of the working week:

- i) Explore the gap existing in the knowledge and practice of surveying profession
- ii) Establish ways of bridging the gap between the existing knowledge and practice of surveying profession

## Outcome:

The working week will identify recommendations of bridging the gap existing in the knowledge and practice of surveying profession



# Country Profile



Capital: **Nairobi**

The Republic of Kenya (pronounced /'kenjə/) is a country in East Africa. Lying along the Indian Ocean to its southeast and at the equator, Kenya is bordered by Somalia to the northeast, Ethiopia to the north, South Sudan to the northwest, Uganda to the west and Tanzania to the south. Lake Victoria is to the southwest and is shared between Kenya, Uganda and Tanzania. Kenya has numerous wildlife reserves, containing thousands of animal species. The capital city is Nairobi. Kenya's area is 580,000 sq km with a population of nearly 42.5 million and more than 42 different ethnic groups.



Area  
**580,000 sq km**



Population  
**42.5 million people**



Major religion  
**Christianity**



International dialling code:  
**+254**



Monetary unit:  
**1 Kenya shilling**



Internet domain: **.ke**



Main exports  
Tea, coffee, horticultural products, petroleum products

Major languages  
**Swahili, English**

## Climate °C (53.6 °F)



Kenya is mostly cool to warm/hot everyday. The climate along the coast is tropical. This means rainfall and temperatures are high throughout the year. At the coastal city Mombasa, the air heats from cool to hot, almost every day. For many areas of Kenya, the daytime temperature rises about 12 °C (53.6 °F), almost every day.

## Culture



Kenya is a diverse country. Notable peoples include the Swahili on the coast, pastoralist communities in the north, and several different communities in the central and western regions. The Maasai culture is well known due to tourism, despite being a minor percentage of the Kenyan population. They are renowned for their elaborate upper body adornment and jewelry. Kenya has an extensive music, television and theatre scene.

## World heritage sites



**LAMU:** The town is the oldest and best-preserved Swahili settlement. It is built in coral stone and mangrove timber, featuring inner courtyards, verandas and elaborate wooden doors.

**LAKE TURKANA:** As Africa's most saline large lake, Turkana is an excellent laboratory for the study of plant and animal communities. They are a breeding ground for the Nile crocodile, hippopotamus and several venomous snakes. The Koobi Fora deposits are rich in mammalian, molluscan and other fossil remains.

**MIJIKENDA SACRED KAYA FOREST:** The site consists of 11 separate forests spread across an area 200 kilometres (120 mi) along the Kenyan coast. It contains the remains of fortified villages built during the 16th century by the Mijikenda. They are now considered sacred sites.

## Economy



Agriculture is the second largest contributor to Kenya's Gross Domestic Product (GDP), after the service sector. In 2010 agriculture, including forestry and fishing, accounted for about 22 percent of GDP, as well as for 18 percent of wage employment and 42 percent of revenue from exports. The principal cash crops are tea, horticultural produce, and coffee; horticultural produce and tea are the main growth sectors and the two most valuable of all of Kenya's exports.

## Sports



Kenya is active in several sports, among them athletics, rallying, rugby, golf and volleyball. The country is known chiefly for its dominance in Middle-distance and long-distance athletics. Kenya has consistently produced Olympic and Commonwealth Games champions in various distance events, especially in 800 m, 1,500 m, 3,000 m steeplechase, 5,000 m, 10,000 m and the marathons. Kenya's best-known athletes includes the four-time women's Boston Marathon winner and two-time world champion Catherine Ndereba, former Marathon world record-holder Paul Tergat, and David Rudisha. Kenya won several medals during the Beijing Olympics, 5 gold, 5 silver and 4 bronze, making it Africa's most successful Nation in the 2008 Olympics. Retired Olympic and Commonwealth Games champion Kipchoge Keino helped usher in Kenya's ongoing distance dynasty in 1970s and was followed by Commonwealth Games Champion Henry Rono's spectacular string of world record performances.

# Why meet in Kenya?

*Kenya offers a spectrum of locations spread out over the entire country to choose from when it comes to conference venues.*



A business trip is often viewed as, well, just that, a business trip but why choose Kenya? Over the past recent years, Kenya has been home and host to some of the biggest conferences and business convergences in Africa from all around the globe. Kenya is a hub for innovations, with room for young minds to come up with, develop and implement their personal ideas and give home to hardworking and visionary entrepreneurs who aim to making the country a one off touristic venue for business travel. The country offers a seamless mix between business and pleasure and because of this Kenya continues to improve its profile and overall image as a Meetings, Incentive travel, Conferences and Exhibition (MICE) destination.

Kenya offers a spectrum of locations spread out over the entire country to choose from when it comes to conference venues. Where you choose to convene is entirely based upon your requirements and what you would like to achieve from your experience as you meet within our borders; simply to say we cut everything in size to meet your needs. We have able conference management teams who are responsible for helping you to familiarize with the country and the ways and places in which you wish to enjoy your conferencing activities while you are around.



# Destination; Kenya

## Host for FIG working week 2019

North  
America

South  
America





Europe

Asia

## Africa

Africa is the world's second-largest and second most-populous continent after Asia. It has an area of about 30.2 million km<sup>2</sup> (11.7 million sq mi) including adjacent islands and covers 6% of the Earth's total surface area and 20.4% of the total land area.

The continent is surrounded by the Mediterranean Sea to the North, both the Suez Canal and the Red Sea along the Sinai Peninsula to the NorthEast, the Indian Ocean to the SouthEast, and the Atlantic Ocean to the West. Africa straddles the equator and encompasses numerous climatic zones. It is the only continent to stretch from the northern temperate to southern temperate zone.

Africa

## Eastern Africa

Eastern African Countries Comprise of Kenya, Tanzania, Uganda, Rwanda and Burundi that form the East African community(EAC). The EAC focuses on the Economic Integration of the member states.

## Geography & Climate

The geography of East Africa is often stunning and scenic. Shaped by global plate tectonic forces that have created the Great Rift Valley, East Africa is the Home of the two tallest peaks in Africa, that is Mount Kilimanjaro and Mount Kenya. It also has the world's second largest freshwater Lake (L.Victoria) and the world's second deepest Lake (L.Tanganyika). The climate of East Africa is typical of equatorial regions. Because of a combination of the region's generally high altitude and the rain shadow of the westerly monsoon winds created by the Ruwenzori Mountains and Ethiopian Highlands, East Africa boasts of surprisingly cool and dry temperatures for its latitude.

# ENTRY REQUIREMENTS

Nationals of some countries are required to have a visa prior to their entry in Kenya. Although it's possible to obtain a visa on arrival at Jomo Kenyatta International Airport in Nairobi, it is advisable to obtain the visa from the Kenyan Embassy/ High Commission in your country prior to departure.

The government of Kenya will make arrangements to expedite Visa issuance at JKIA by allocating dedicated desks for delegates coming from countries where there are no Kenyan missions.

VISA REQUIREMENTS *	
Single Entry Visa	US\$50
Multiple Entry Visa	US\$100
Transit Visa	US\$20
Admin' Fee Referred Visa	US\$10

\*Rates are subject to change at any one time

There's a ton of things to do once you decide to come around to Kenya, pack up and get your passports ready. Once you know where you want to find a place to rest in Nairobi, there are numerous number of tour companies that will offer you irresistible group packages to travel round the beautiful and breathtaking venues in Kenya, through the highlands and the beautiful warm lowlands. It's sure to be a treat you will remember throughout the days of your life.

Kenya's unit of currency is the Kenyan shilling (Ksh). Kenya's currency and banking systems are liberalized with the Central Bank of Kenya regulating this sector. It has a vibrant banking sector with 43 licensed commercial banks offering local and international banking services. Traveler's cheques and most major credit cards are widely accepted.

Foreign Currency		Kenyan Shilling
US Dollar	0.00115	86.7
Sterling Pound	0.007	142.9
Euro	0.0084	119.6
Japanese Yen	1.18	0.8461
U.A.E Dirham	0.0424	23.6
South African Rand	0.125	7.984

\*Rates are subject to change at any one time

*It has a vibrant banking sector with 43 licensed commercial banks offering local and international banking services. Traveler's cheques and most major credit cards are widely accepted.*



# Welcome to **Nairobi**



# Nairobi City

Green city in the Sun

*The city is one of the prominent cities in Africa politically and economically and home to many multinational companies*

Kenya's capital city Nairobi known as the "Green City in the Sun" is the 13th largest city in Africa and fourth largest in infrastructural development and size. The name "Nairobi" comes from the Maasai phrase Enkare Nyirobi, which translates to "the place of cool waters". It is easy to get around and offers a variety of activities to keep anyone busy including shopping, visitor attractions, historical tours, theatre, as well as some of the most exciting restaurants, bars, cafes and night clubs.

Nairobi city is one of the prominent cities in Africa politically and economically. It is home to many multinational companies such as Coca Cola Africa and International organizations, such as the United Nations Environment Programme (UNEP) and the UN Habitat office in Africa.

It is established as a Hub for business and culture. Nairobi has prevailed in the recent years as the top meeting destination within the region and is included in the list of ICCA as top 100 of the most popular meeting destinations worldwide. To a great extent this is due to the highly qualified professionals the city has in various fields of the tourism industry and in particular the meetings industry.



# Social Tours within Nairobi

*There are several main attraction sites in the city. This is where tourists learn Kenyan history and also get to see different kind of animals.*



## 1. Nairobi National Park

It is the only park in the world within the proximity of a capital city with a wide variety of animals and bird species. The diverse flora of the park makes it possible for many different types of wildlife species to co-exist. Among the animals in the park are the lion, buffalo, cheetah, zebra, giraffe, antelopes and gazelles, and the black rhino, as well as over 400 species of birds. At the entrance of the Nairobi National Park is the Nairobi Safari Walk (formerly the Animal Orphanage) established in 1964 as a refuge for wild animals found abandoned, orphaned or injured throughout Kenya. The orphanage's main objective is to foster and then release the animals back into the wild. However, over the years, it has evolved into a mix between a zoo and an orphanage because some of the animals were not fit to be released into the wild. The Nairobi Safari Walk remains the most visited wildlife facility in Nairobi.

## 2. Giraffe Centre

It was founded in 1979 and is the creation of the African Fund for Endangered Wildlife, and is where the Rothschild's Giraffe was saved from extinction. Visitors get an opportunity to come into close contact with these tall graceful animals. The visit can be combined with a visit to the neighboring Daisy Rothschild's Giraffe Manor, one of Kenya's best-known guesthouses where one can have a meal next to the Giraffes.



## 3. Mamba Village and Ostrich Park

The Mamba Village and Ostrich Park are located just up the road from the Bomas of Kenya, off the Lang'ata Road. Mamba is the Kiswahili word for crocodile. It is always thrilling to watch the families of crocodiles beside their shallow pools. Feeding time is quite a spectacle as the attendants walk into the crocodiles' enclosures to toss chunks of meat into their mouths. The Mamba Village has a lounge and restaurant for meals and refreshments. Visitors can also go fishing in the manmade lake. A walk across the bridge over the lake leads to the Ostrich Park where you can watch the tall birds.





## The David Sheldrick Animal Orphanage

It is situated on the edge of the Nairobi National Park. Here, dedicated men and women go about the task of rehabilitation and rearing orphaned baby elephants. Daphne Sheldrick founded it in 1977 in honour of her late husband and famous naturalist, David Leslie William Sheldrick MBE. The orphanage is a charitable organization, and is open to visitors daily between 11am and midday.

## The Nairobi National Museum

It is the custodian of Kenya's natural and cultural heritage, and thus collects preserves and presents the past and present for today and posterity. It is home to a variety of cultural and natural history exhibits. The displays include prehistoric artifacts discovered by the Leakeys, over 900 stuffed birds and animals, fossils from Lake Turkana, ethnic displays from various Kenyan tribal groups as well as local artistic exhibits.

The Hominid Vault contains a collection of bones and fossils from the pre-historic era in their original form. There are also very illustrative reconstructions of early life.



## The Kenya Railway Museum

It is located off Uhuru Highway in the City Centre, represents the historical growth of Kenya through the construction of the railway line from Mombasa to Kisumu. The museum consists of the Main Gallery (collection of smaller items), the Museum Resource Centre (library and photographic section), the Auditorium, and an outdoor collection of steam engines built at the turn of the century. The carriages are full of historical photographs and relics from the time when railway construction workers first arrived in Nairobi.

## The Bomas of Kenya

It is located in the outskirts of the city, about one kilometre from the main entrance to the Nairobi National Park. Boma is a Swahili word for village. The Bomas of Kenya exhibits various traditional homesteads of the Kenyan communities complete with their inhabitants. The traditional dances are very captivating and many visitors have been known to join in the dances. Sumptuous traditional dishes are also on offer for those with the appetite.



## The Karen Blixen Museum

It is about 20 minutes' drive out of the city centre. Karen Blixen's house has much of its original features still intact. Photographs and original oil portraits painted by Ms Blixen adorn the walls showing glimpses of life on this former coffee plantation.

## The Arboretum Forest

It is a beautiful masterpiece of forest tucked away off State House Road and very near the City Centre. It is possible to get there on foot (it takes about 30 minutes comfortable walking from the City Centre), or by taxi. The forest has a stunning collection of trees, each of which has a rich history, ranging from the exotic to the indigenous. The Arboretum is organised in such a way that it has promenades for viewing the trees, resting places to relax, and well manicured grass for picnics and a lazy lay about. This is, above all, a place of peace, serenity and tranquility, away from the hustle and bustle of city life. Many couples use it as a romantic place to spend time alone. When planning to stay there for long hours, it is advisable to carry packed food.



There are also several public parks in Nairobi for those relaxing moments, namely:

- Uhuru Park located between the Central Business District and Capitol Hill
- City Park located on the edge of the indigenous Karura Forest.
- Uhuru Gardens and Heroes Square located on Lang'ata Road.
- Memorial Park, built in honour of those who lost their lives in the 7th August 1998 terrorist bombing.

## Technical tours Programme

The delegates attending the FIG working week will have a programme for technical tours relevant to all the FIG Commissions. This will include:

- The Great Rift Valley with varying features
- Kibera slums one of the biggest informal urban settlements in Africa
- Lake Bogoria is a saline, alkaline lake that lies in a volcanic region with hot springs
- The Olkaria Area renowned source of geothermal clean electrical power generation
- Various large scale farms supplying the World with tea, coffee and horticulture

## Social Programme

The Social tours programme will be expansive and will include visits to:

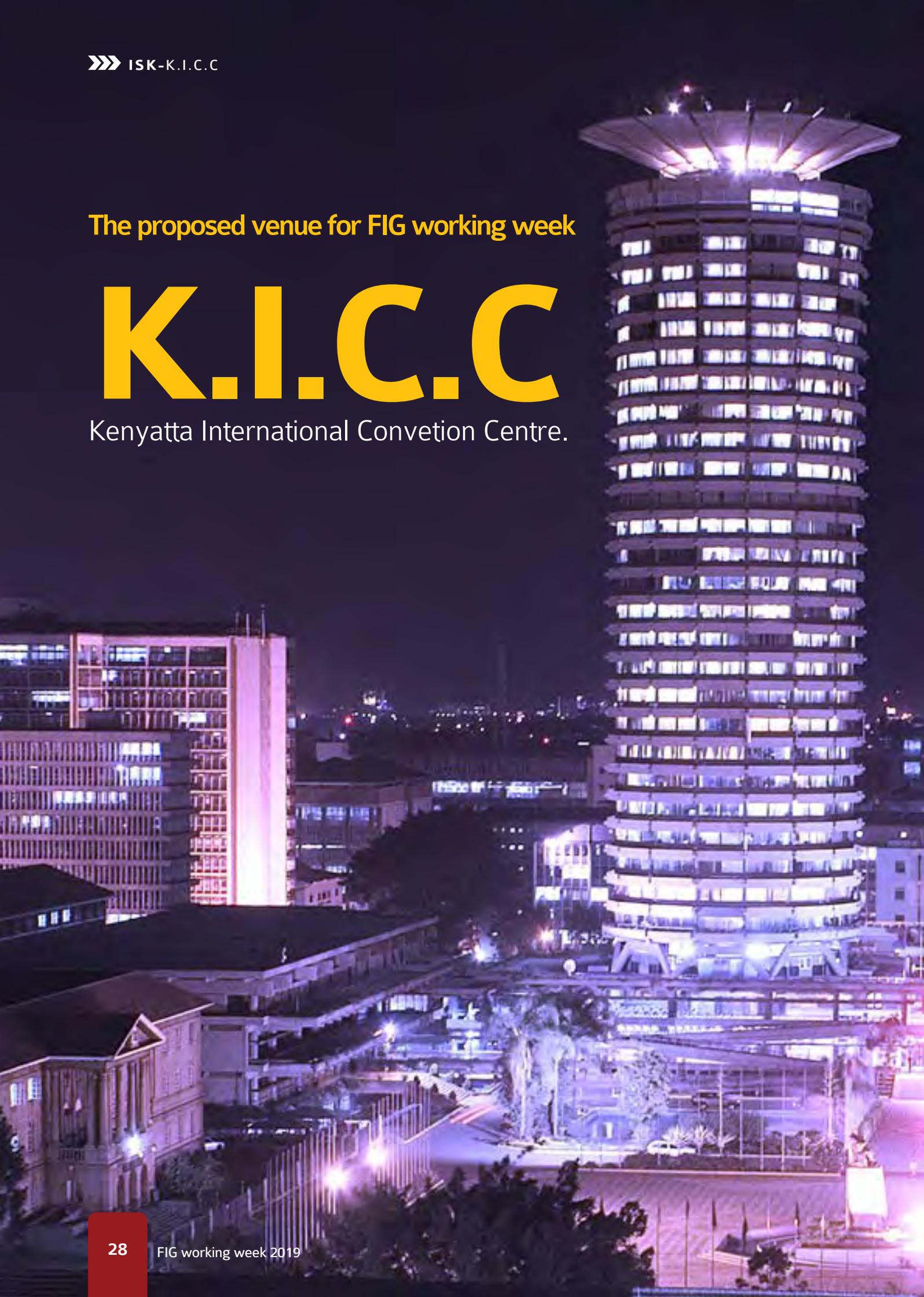
- The Nairobi National Park an unique wildlife sanctuary only 7 kms from the Nairobi bustling City Centre
- Museums including National museum of Kenya, the current Blixen museum, The Carnivore Restaurant, the ultimate 'Beast of a Feast' A variety of game meat including ostrich, crocodile and camel
- Specialized animal parks:- such as Snake Park, Mamba village and Ostrich park.
- Bomas of Kenya offering wide displays traditional villages belonging to the several Kenyan tribes
- Mount Kenya The only snow capped Mountain at close to equator,
- Maasai Mara National Reserve for the Wild beast migration one of the natural wonders of the world
- Wide variety of game parks and game reserves including Nakuru National park, Amboseli national park, Tsavo national park among others
- Arboretum forest



The proposed venue for FIG working week

# K.I.C.C

Kenyatta International Convention Centre.



## An Overview

The Kenyatta International Convention Center – KICC has been and still is an icon and landmark for Kenya since completion. This has distinguished it as a premiere meeting venue throughout the region. KICC boasts of being the largest facility in the meetings industry in the region and has held quite a number of regional and international conferences like the World Bank Conference in 1973, Inter-parliamentary Union summit in 2008, other UN based conferences, 8th African Growth and Opportunity Act (AGOA), 7th Global Conference on health, the 5th Pan african Malaria conference, Internet Corporation for Assigned Names and Numbers (ICANN) Congress & The 2010 International Federation of Biomedical Laboratory Scientists (IFBLS) Congress among others.

Located at the heart of the central business district of Kenya’s Capital, KICC boasts of its proximity and easy accessibility to and from all major five-star hotels, most of which are ten minutes walk away and five minutes away by car. KICC has the capacity to hold both large and small events, both indoors and outdoors. The facility has excellent rooms, with good ambiance, clean and air conditioned.



# Past events held at K.I.C.C.

Kenya has been honored to host a huge number of International Conferences held in Africa; those include:

- \* United Nations Conference on Trade and Development (UNCTAD IV) 1976
- \* International Conference for Women 1985
- \* The United Nations Climate Change Conference 2006
- \* The 8<sup>th</sup> African Growth and Opportunity Act (AGOA) Conference - 2009
- \* The 5<sup>th</sup> (Multilateral Initiative on Malaria) MIM Pan African Malaria Conference - 2009
- \* The 7<sup>th</sup> Global Conference on Health Promotions - 2009
- \* The 2<sup>nd</sup> East African Investment Conference
- \* The 56<sup>th</sup> Commonwealth Parliamentary Conference - 2010
- \* The 46<sup>th</sup> International Society of City and Regional Planners (ISOCARP) Congress - 2010
- \* The Internet Corporation for Assigned Names and Numbers (ICANN) Conference - 2010
- \* The Eco Tourism and Sustainable Tourism Conference (ESTC) - 2013
- \* ACP-EU Ministerial Conference - 2014
- \* United Nations Environment Assembly (UNEA)

The above conferences were preceded and also succeeded by a relevant others. Kenya has been able to host each of these conferences through partnership with professional teams who have been

trained on Conference organization. Commonly known as Professional Conference Organizers, their teams partake in activities that are pre and post to conferencing here in Nairobi and their functions include:

- \* Conference design,
- \* Sourcing speakers,
- \* Funding and sponsorship,
- \* Financial management and budget control.
- \* Registration,
- \* Site and venue selection and booking,
- \* Audiovisuals,
- \* IT support,
- \* Logistics,
- \* Leisure management,
- \* Marketing, printing and web services

They are meant to organize and manage any event of the clientele and ensure that you are well taken care of and your expectations are met and even surpassed. They are also well able of partnering with other relevant organizations so as to be able to offer you, the clientele options of accommodation and even travel during free days all in practical manner and specific time frames.

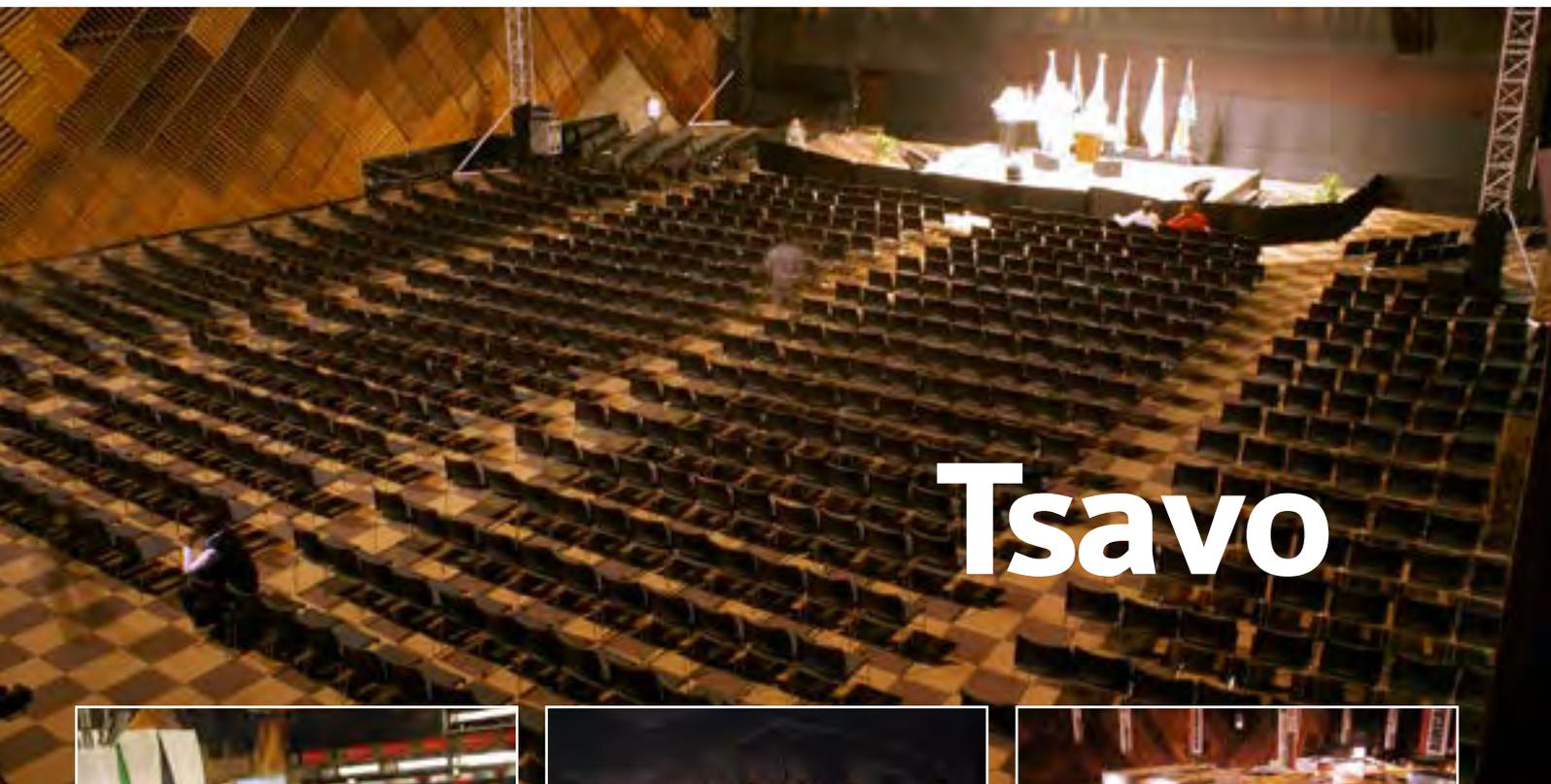
# Inspiration by Size

The Tsavo Ballroom is one of the largest meeting halls in Africa. It is very dynamic and normally used for exhibitions, music Orchestras', plenary sessions of major conferences, awards, large capacity cocktails and gala dinners.

Tsavo Ballroom epitomizes flexibility and sheer size. You can have a conference, a performance, a dinner or an exhibition.

## Some of the salient features are:

- » On Ground floor with an area of 2,444 m<sup>2</sup>
- » Sitting: Theatre: 5,000 Classroom: 2,500  
Banquet: 2,500
- » Primarily caters for international conference plenary sessions.
- » Also Ideal for large meetings, exhibitions, banquets, receptions
- » No pillars in the room, and provision on the roof to hang banners, additional lights, props.
- » Chiller cooling system up to 9 degrees centigrade
- » Direct access to the delivery bay which leads to a 9m x 4.5m hydraulically operated door
- » 7 inbuilt simultaneous Interpretation booths



# Amphitheatre

Where culture meets modernity

DATA:  
on 2nd floor  
2,666 m<sup>2</sup>  
Tiered seating, 880



- » **Designed like the traditional African hut**
- » **Ideal for symposia, seminars, opening ceremonies**
- » **7 in-built simultaneous interpretation booths**
- » **Fixed seating**
- » **Access to terraces for tea breaks and lunches**
- » **Hosts numerous Heads-of-States functions**
- » **Numerous entrances/exits**
- » **High-level acoustics**

## Lenana & Aberdare Halls

Lenana and Aberdares Halls are ideal for medium-size conferences, meetings and seminars.

They each have a sitting capacity of 300 people seated theatre style, 200 people classroom and 100 people for a banquet.

There is a comfortable lounge overlooking a flowered cascade where tea and coffee are easily served.

It has superb sound equipment and proper air conditioning.

There is a partitioning wall between the two rooms which can be folded to create a bigger space for more than 500 people.

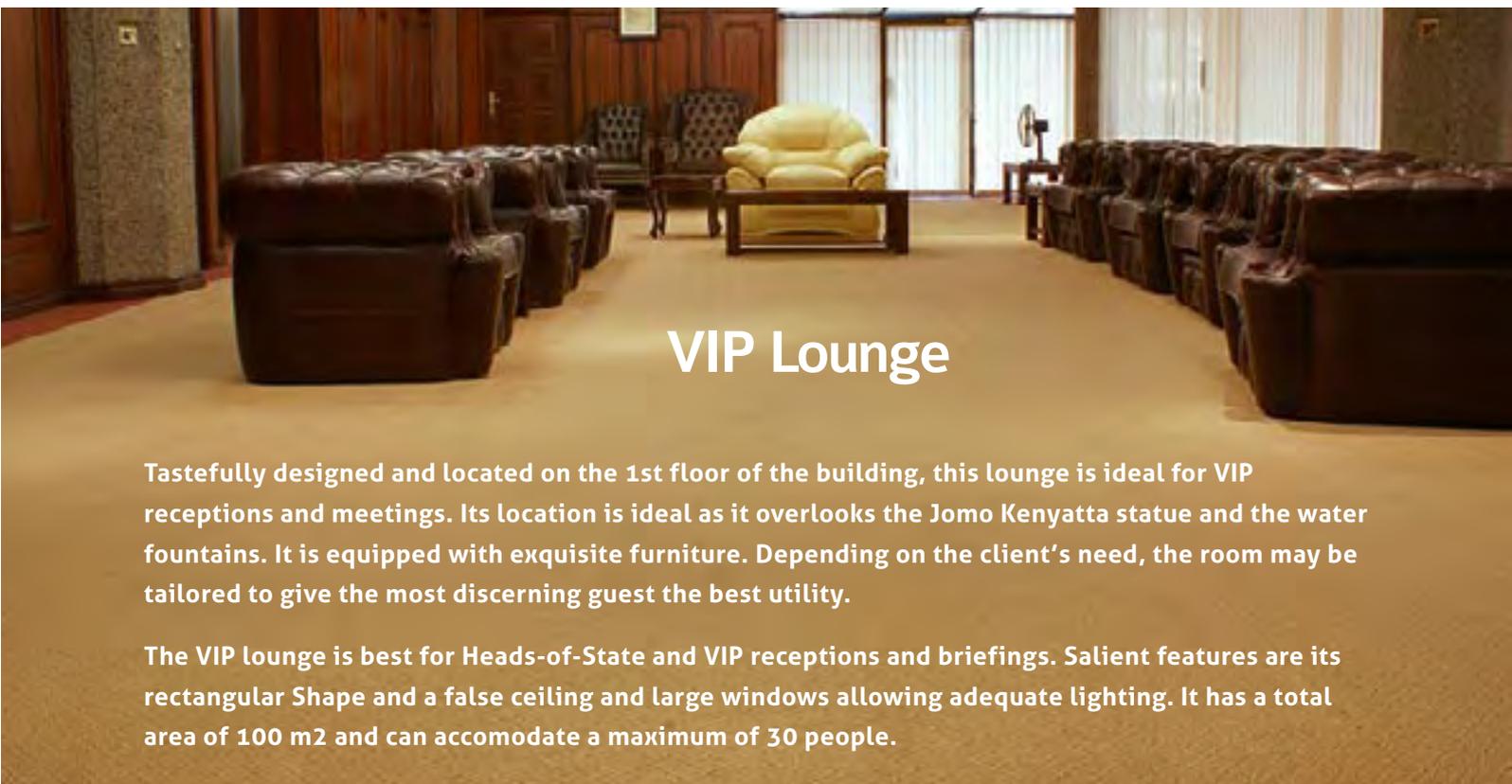


On lower ground 355 m<sup>2</sup>

Theatre: 350

Classroom: 250

Banquet: 150



## VIP Lounge

Tastefully designed and located on the 1st floor of the building, this lounge is ideal for VIP receptions and meetings. Its location is ideal as it overlooks the Jomo Kenyatta statue and the water fountains. It is equipped with exquisite furniture. Depending on the client's need, the room may be tailored to give the most discerning guest the best utility.

The VIP lounge is best for Heads-of-State and VIP receptions and briefings. Salient features are its rectangular Shape and a false ceiling and large windows allowing adequate lighting. It has a total area of 100 m<sup>2</sup> and can accommodate a maximum of 30 people.

# K.I.C.C Conferencing Support Services

## Interpretation Equipment

KICC has fully equipped Simultaneous Interpretation Equipment with capability of handling up to seven United Nations languages together with headphones which help the international clients who cannot understand any language other than their own.

## Forex and Other Services

All commercial and financial needs of our visitors are well taken care of at the KICC Business Centre. Clients can conduct money transfers as well as other banking and related transactions within the conference centre.



## Internet / WI - FI

The network which is supported on a fibre optic backbone together with the necessary infrastructure has been laid across the entire KICC premises.

# Outdoor Events

## Bigger Space for Exhibitions and Events

Outdoor space consists of three main areas: The Courtyard, raised tree area and the COMESA grounds. KICC's Courtyard is a vast outdoor facility that can cater for many set-ups- owing to its sheer size. It enjoys plenty of paved area and manicured gardens and lawns.

Fronting City Hall way, KICC has a paved 7,056 square meter courtyard surrounding the Jomo

Kenyatta Statue and is ideal for outdoor events, product launches, family fun days, exhibitions and music extravaganzas.

The courtyard was designed initially as a rest-bite for those attending conferences. It is surrounded by water fountains and the numerous poles and balconies are fashioned to host promotional identities.

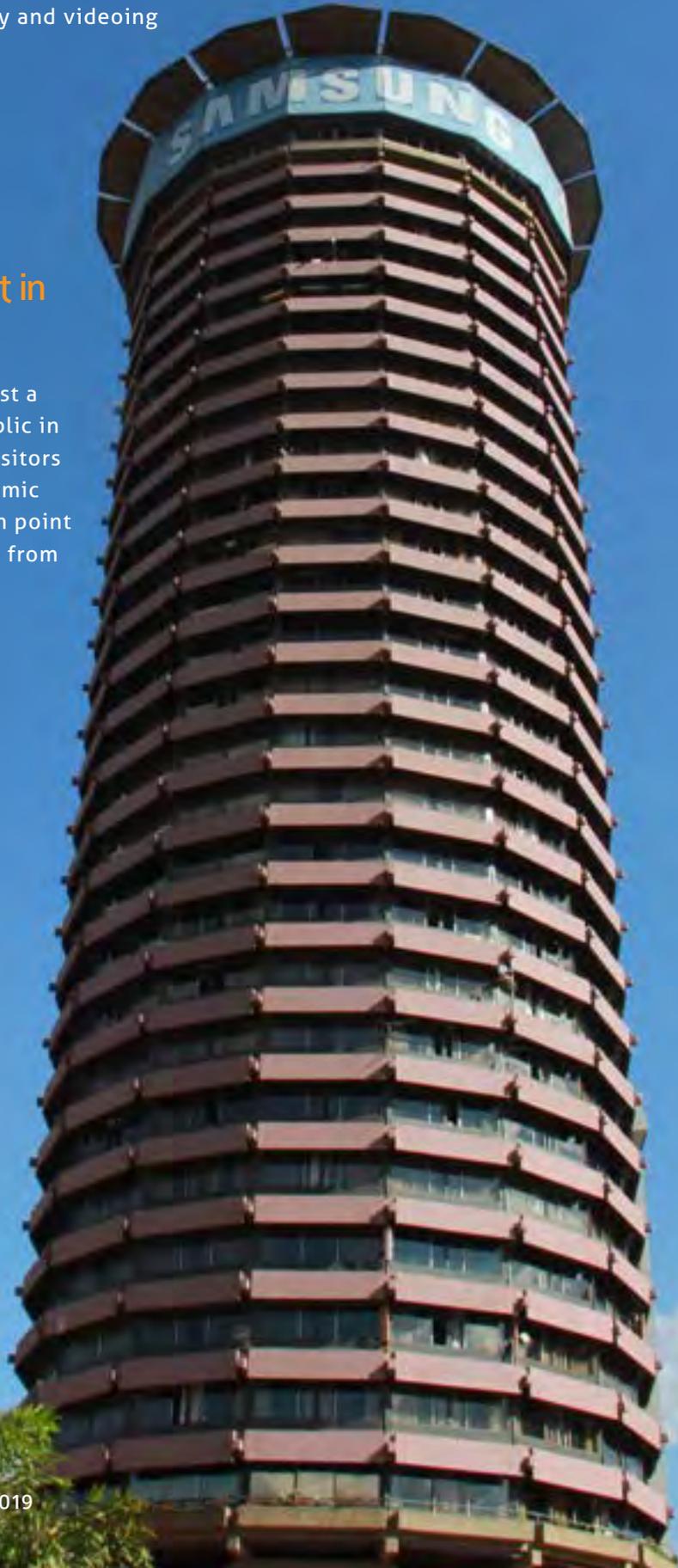


# KICC Viewtower

Besides viewing, it has become a haven for journalists, artists and performers who delight in the perfect photography and videoing angles it presents.

## Your Vantage point in Nairobi City

On 29th floor is the highest a viewpoint open to the public in Nairobi City. From here, visitors are able to enjoy a panoramic view of the capital and pin point specific landmarks visible from here.



# Helipad

A breathtaking experience



**T**he Helipad, the only one in the city located on the top tier of the tower, has become a popular area of focus for both local and international visitors to the Centre. From this vantage point one is able to see the entire City of Nairobi and its surroundings, only then can one appreciate the beauty and complex pattern that it embodies.

Besides viewing, it has become a haven for journalists, artists and performers who delight in the perfect photography and videoing angles it presents. A number of local videos run on our local televisions and internationally aired documentaries have actually been shot atop the tower.

## Security & Safety

Conference tourism is very sensitive to security matters. KICC has therefore put in place firm measures to ensure delegates and visitors safety while in and around the centre.

The Center is centrally and strategically located in the Central Business District and is surrounded by highly secured institutions like the Kenya Police Headquarters, High Court of Kenya, Office of the President, among other very highly secured buildings. This alone is a guarantee of security at the Centre.



Inside the centre, KICC enjoys a fully equipped police station to beef up the security of delegates. The Centre is also guarded by internationally acclaimed security firm known as the Bob Morgan (BM). KICC prides itself in having one of the latest ultra modern electronic security systems that covers all meeting rooms, entrances main gates and all the walking paths in the building.

The Centre has strong walls and several gates with barriers all the way from the main gates to the entrance of the building. After the security check at the main gate, screening of delegates and visitors is done at the entrance to the building. KICC does not only stress on security, it also ensures safety of every individual in the Centre. The centre therefore has intruder alarm systems that include panic buttons to alert people in case of fire or any emergencies. Fire fighting equipment have also been placed at all corners of the building.

During most of our events especially major ones like AGOA, 7th global conference on health, which happened recently, other security stake holders including the Government of Kenya come in to ensure security is beefed up all the way from the airport when delegates arrive into the country. A security committee including Kenya police, the host KICC, Immigration department, Airport security, Protocol security, Emergency response organizations, and the tourist police provide security oversight.

The committee conducts a risk assessment on crowd risk, fire, catering, noise and cash in transit if any. However for most of these functions, registration of delegates is done online way in advance and identification badges given to them either in advance or on the opening day.

This therefore means that by the day of the event, only the registered and vetted delegates are allowed into the centre minimizing chances of people with ill motives accessing the building.

## Medical Emergencies



During the period of the 10<sup>th</sup> WTO Ministerial Conference, KICC shall make arrangements with qualified medical personnel to provide emergency medical services as well as two fully equipped stand-by ambulances



## Fire Safety

The fire system is also well equipped in that in the event of a fire, delegates can be assured of their safety. Instructions on precautionary measures are placed at all strategic areas of the venue, where delegates and other visitors can get information on what to do in the event of a peril. Fire extinguishing equipment are placed in every meeting room and hall ways of the facility and the fire exits are on every floor in the entire building. Delegates can thereby be at ease as their security

shall not be compromised as far as their Stay at the center is concerned.

The fire assembly point are strategically placed at the compound where every person entering the facility can see it and if an alarm is sounded, they can easily access these points.

Delegates need not to worry about their safety in the event of fire as fire drills are usually conducted after every three months as a precautionary measure.

# Hotels & Restaurants



Experience Kenya from The Hilton hotel Nairobi, situated in the city's central business district, one block away from the Kenyatta International Convention Center and only 25 minutes from Jomo Kenyatta International Airport. The Hilton hotel enjoys close proximity to several major banking institutions, universities and government offices, including the Parliament and the High Court of Kenya. The Hilton Nairobi hotel has a 287 bed capacity in a variety of guest rooms, suites or executive rooms. The Hilton hotel Nairobi has 12 attractively furnished banquet rooms that are adaptable for all types of events. The hotel's 5040 sq. ft. grand ballroom hosts up to 700 guests reception style.

### Fairmont The Norfolk Hotel

Fairmont The Norfolk Hotel has played a leading role in Kenya's colorful history, a country house hotel located 3 kms Kilometers from the city centre and 20kms from Jomo Kenyatta airport. The Nairobi luxury hotel offers accommodations in 170 guest rooms and suites; Fairmont room, deluxe courtyard, deluxe veranda and deluxe room. For over a century, business has been discussed and deals struck on the verandah of this historic hotel. It offers 8 conference rooms with the largest seating 175 delegates. The hotel is specialized to accommodate events ranging from executive board meetings to lavish conventions.



### Southern Sun Mayfair Nairobi

Traditional warmth and hospitality make Southern Sun Mayfair Nairobi a welcoming and comforting stay. Previously known as Holiday Inn Nairobi, set on 12 acres of landscaped gardens, this hotel embraces the historically hospitable nature of Kenya to make guests feel right at home. Simple luxury and comfort can be enjoyed in the privacy of spacious rooms that overlook the lush gardens.

### Sarova Stanley



The Sarova Stanley, Kenya's first luxury hotel, situated in the heart of the city, opened its doors in 1902. Since then it has been making history; hosting royal safaris, business events and legendary personalities such as Edward Prince of Wales, Ernest Hemingway, Frank Sinatra etc. Today, the hotel has entered its second century and still maintaining its unique heritage and continues to provide state-of-the-art services and facilities for business and leisure travellers.

### Sarova Panafric



Sarova Panafric, a 4 star hotel in Nairobi, is located 5 minutes drive from the Central Business District amidst beautifully landscaped gardens in a quiet suburb of Nairobi. The city hotel offers 153 rooms in a range of standard, superior, club and suites and 42 apartments- all decorated in a contemporary vibrant African style. The Sarova Panafric is named in honor of the Pan African movement.

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### Crowne Plaza Nairobi



Crowne Plaza Nairobi is a modern, elegant and luxurious five star hotel located in the business district area Upper Hill. Crowne Plaza Nairobi's unique location allows the hotel to be surrounded by the most prestigious Multinational companies, hospitals, Banks and Embassies. The Crowne Plaza Nairobi has much to offer the leisure seeker as it does to the business traveler.

Crowne Plaza Nairobi has 5 floors with 162 modern and upscale rooms designed to evoke a timeless residential feel all furnished in a contemporary style and equipped with the latest state of the art facilities to make your stay comfortable.

## Nairobi Serena Hotel



Rightly famed for its exceptional standards of efficiency, service and hospitality, the elegantly stylish Nairobi Serena Hotel is the proud flagship of the Serena Hotels' fleet of world-class hotels. Considered by many to be Nairobi's finest hotel, the Serena stands amidst lush tropical gardens with panoramic views over Nairobi's Central Park and the glittering downtown skyline. Sensitively constructed from eco-friendly materials, the interior decor of the hotel reflects a kaleidoscope of cultural influences blending Moroccan mystique and a breadth of African heritage into one elegant and harmonious whole.

## The Boma Hotel



The Boma Hotel is a property of the Kenya Red Cross Society (KRCS). The Boma hotel is a comfortable and outstanding hotel located in the outskirts of Nairobi city, Red Cross Road, off Popo road, off Mombasa road 10 minutes drive from the Jomo Kenyatta International Airport. The Boma Hotel came as a result of need to come up with a bigger, classier and more contemporary asset than the Red Court Hotel because the demand for accommodation had risen.

The exquisite Villa Rosa Kempinski Hotel, perfectly located in Nairobi's central business district, 10 minutes away from the Jomo Kenyatta International Airport, is luxury redefined. Opened in September 2013, this five-star hotel in Kenya, offers 200 hotel suites and rooms which are comfortably positioned throughout 10 floors, with the Presidential Suite being situated on the top floor. With state-of-the-art banqueting and conference facilities, the hotel's pillar-less grand ballroom supports a capacity of 500 people. Additional 2 meeting rooms for smaller gatherings such as conferences, meetings and other events are also available and executive transfers by means of BMW limousines; this is the business meeting place of Africa.



Sankara Hotel is located in Westlands Nairobi, the vibrant Commercial, Retail and Entertainment Centre of Nairobi. 5 kilometers from the City Centre, 22 kilometers from the Jomo Kenyatta International Airport the hotel has reached new heights in contemporary luxury, it combines international 5-star standards with personalized service and authentic new African flavor. Featuring 156 generously proportioned guestrooms in a timeless modern style. Sankara Nairobi's meeting facilities have been purposely designed with functionality in mind. They have 4 meeting rooms with the largest having a capacity of 200 people that can alternatively be adjusted into mid-sized rooms for 30-60 guests.



## The Tribe

Tribe Hotel is a luxurious hotel in Nairobi Kenya's Diplomatic District and is just neighbouring East Africa's largest shopping and recreation complex-The Village Market.

The Tribe Hotel's design and services all pay attention to detail. The hotel brings guests into a world on hip, chic design with an emphasis detail and luxury. It has many rooms and suites that extend the luxury in the sense of elegance and class. Every room is a new definition of world class comfort and functionality as it offers a cultural world through hand-picked arts, crafts and furnishings from all over Africa.

## InterContinental Nairobi



A haven in the city, this Nairobi 5 star hotel is ideally located for business, close to the Parliament buildings and next to Kenyatta International Convention Centre. Intercontinental has a total bed capacity of 380 guest rooms. 16 of these being suites, 288 single bedded and 76 double bedded executive rooms that one can choose from.

The InterContinental Nairobi's has a renowned and versatile ballroom that can be divided into two private soundproof sections for smaller events or accommodate up to 700 guests. This ballroom is complemented by 8 other rooms that can be an ideal choice for conferences, exhibitions and weddings.

## Windsor Golf and Country Club



The hotel has Victorian design buildings set within colorful and landscaped gardens, overlooking a remarkable fusion of indigenous forest and a championship golf course. The Windsor is a true 5 star experience to be enjoyed in an environmental heaven of wildlife, birdlife and manmade water features barely 25 minutes drive from the city centre. The Windsor is unbeatable for golfing holiday, conferences, corporate functions, weddings and fine dining.

All rooms at The Windsor overlook The Windsor golf course - a breathtaking view. Each category of guest room and suite are elegantly decorated to reflect the five-star status of Windsor. All 130 rooms are equipped with EI safes and direct-dial telephones. For an ultimate fulfillment, try our special Savoy-styled shower heads. The elegant and spacious hardwood floored rooms overlook the spectacular championship 18-hole golf course. All rooms are tastefully decorated in pastel colors with large en-suite bathrooms, showers and other luxury amenities.

Each room features a private safe and power points for the recharging of electronic devices such as laptops; coffee and tea-making facilities; fully stocked mini bar; 29" colour TV with local and international channels; music channels; and shoe shine and laundry services. High speed wireless Internet access provides each room with global connectivity. In addition, we have recently introduced flat panel TVs with digital satellite television.

The Windsor Golf hotel and country club's greatest asset is space. There are numerous locations to choose from for bush dinners, wedding receptions, cocktail parties, product launches and incentive events. In addition to golf the hotel has other recreation activities which include laptop pool, gym, tennis courts, two squash courts, and a health club.

## Ole Sereni Hotel

Ole Sereni Hotel Nairobi is located just off the Mombasa Road and overlooking the famous Nairobi Game Park. Ole Sereni Hotel is strategically positioned between the Airport and the city center, at an area fondly known as a 'place of tranquility' (Ole Sereni) by the Maasai. It offers 134 tastefully decorated rooms divided into 58 Superior rooms, 48 Deluxe rooms, 26 Club rooms and 2 executive suites for guests which come with the separate suite lounge that can host private meetings for about 10 people. For meetings and conventions Ole Sereni has 5 meeting rooms, a main conference center, with a capacity to host 500 people, 3 additional meeting rooms with a capacity of 40 to 60 people each, plus 1 large fully equipped boardroom.



## The Panari Hotel

The Panari Hotel is a transit hotel situated just five minutes away from the Jomo Kenyatta International Airport and the head office of the Kenya Airports Authority offices in Nairobi Kenya. The Hotel surely rates as one of Africa's finest with 136 rooms, both junior and deluxe suites as well as one presidential suite. Other facilities in the hotel include an ice skating rink the only one in East and Central Africa, 2 cinema theatres each with a sitting capacity of 200 with high technology sound and vision system.



## The Nairobi Safari Club

The 5-Star Nairobi Safari Club is Kenya's only all suite hotel, offering luxury accommodation to Business visitors, Safari Adventurers and Conference Delegates. The club has 146 finely appointed suites comprising 100 panoramas, 30 executives, 10 studios and 6 penthouses. The Club is conveniently located within the Central Business District and only 15 minutes walk from the Kenyatta International Convention Centre. The Club is an ideal starting point for safaris and other places of tourist interest.



## Safari Park Hotel & Casino



The Safari Park Hotel stands on 64 acres of beautifully landscaped grounds incorporating a wide variety of indigenous trees and offering sanctuary to a startling array of birds and butterflies. The hotel combines the intrigue of African architecture and art with an infrastructure on the cutting edge of technology. It is nestled away in peaceful idyllic surrounding, a wonderful paradise offering the perfect harmonious experience of spacious outdoor splendor, unparalleled indoor luxury that provides the perfect backdrop for wedding photographs or for evening parties. Facilities in the hotel include instant global connectivity, business support services and first class health and recreation facilities.

The hotel offers a wide selection of rooms, which are larger than global standard. All the 204 guest rooms; 168 deluxe rooms, 21 Junior suites, 8 Business suites, 6 Executive suites and 1 Presidential suite are spread out in 9 storey blocks and 2 floors.

The hotel has over 20 conference and meeting facilities, each with pre-function space and break-out areas. The Jambo Conference Centre is the largest facility of its kind in East and Central Africa South of Sahara with a capacity to hold over 1200 delegates. Our Paradise Gardens and Theme Park are magnificent for conducting your outdoor and team building trainings.

## Eka Hotel



A contemporary style hotel ideally located along Mombasa road in Nairobi the capital city of Kenya, just 5km from the city centre with easy access to Jomo Kenyatta International Airport and Wilson Airport and adjacent Nairobi National Park, Eka Hotel Nairobi is ideal for travelers on transit, conferences and good venue for hosting guests. For conferencing, Eka Hotel has five meeting rooms designed to suit every occasion 3 halls with a capacity of 30-200 people, and 2 boardrooms with a capacity of 15 people each complimented with stylish accommodation offering the best choice venue for your Business and Leisure stay.

## Laico Regency Hotel



The LAICO Regency Hotel is only 15 Kilometers from Jomo Kenyatta International Airport .The hotel is within walking distance of the Centre of Nairobi's business and shopping area and a short trip from the Nairobi National Park and other attractions.

Laico regency gives you a range of taste and budget with a bed capacity of 208 rooms on its 12 floors. Out of this 32 are suites, 104 single rooms, 60 double rooms and the rest guest rooms. For your meetings and events Laico offers you 8 meeting rooms, with the largest room having the capacity to host 900 guests.

## Sentrim Hotel 680



Sentrim 680 offers relaxed and affordable accommodation in the heart of the city centre. Most of Nairobi's famous attractions, including the Nairobi National Park are within minutes from this bustling location. Within a 30 minute drive from Jomo Kenyatta International Airport, you'll be in the center of all there is to do in no time. The 680 (sometimes written as "Sixeighy") Hotel by Sentrim Hotels, offers accommodations with its bed capacity of 253 standard, deluxe and budget rooms. The 10th floor is reserved especially for non-smoking rooms. The hotel caters to business clientele with a Mezzanine floor containing 6 conference rooms capable of accommodating up to 250 people.

## Nairobi Hotels Summary

HOTELS	ROOMS	BEDS	STAR	RANGE(USD)
1. Villa Rossa	200	400	★★★★★★	256-530
2. Hemingways	45(Suites)	90	★★★★★★	750-2500
3. Intercontinental	371	742	★★★★★	377-390
4. Hilton	287	332	★★★★★	338-383
5. Nairobi Serena	191	366	★★★★★	285-400
6. Laico Regency	226	208	★★★★★	153-269
7. The Stanley	217	438	★★★★★	260-290
8. The Panari Sky	137	268	★★★★★	308
9. Windsor Golf	130	260	★★★★★	261-365
10. Fairmont The Norfolk	324	332	★★★★★	280-527
11. Nairobi Safari Club	146	179	★★★★★	240-270
12. Safari Park	204	408	★★★★★	240-270
13. Crowne Plaza	162	212	★★★★★	225
14. The Tribe Hotel	137	274	★★★★★	295
15. Ole Sereni Hotel	134	268	★★★★★	212
16. Nairobi Safari Club	140	292	★★★★★	181
17. Sovereign Suites	14	28	★★★★★	350-450
18. Boma	148	196	★★★★★	240-290
19. Karen Blixen	22	30	★★★★★	476
20. Sankara Nairobi	156	312	★★★★★	219-297
21. Fairview Hotel	160	167	★★★★	137-276
22. Red Court	60	99	★★★★	160-213
23. Eka Hotel	170	290	★★★★	169-399
24. Ngong House	24	82	★★★★	418
25. Hill Park Hotel	80	60	★★★★	146-487
26. BestWestern	96	200	★★★★	185-315
27. Sentrim Boulevard	70	85	★★★★	140-210
27. Southern Mayfair Sun	171	342	★★★	200
28. Six Eighty	340	680	★★★	161-201
29. Silver Springs	124	244	★★★	167-411
30. Sarova Panafric Hotel	152	299	★★★	260-290
31. Jacaranda Hotel	126	242	★★★	181-246
32. Utalii Hotel	57	114	★★★	190-280
<b>Total No. of beds</b>	<b>8,539</b>			

The above list of hotels is not exhaustive of the Hotels available in Nairobi.  
10<sup>th</sup> WTO Ministerial Conference delegates will enjoy preferential rates with participating Hotels.

## Restaurants

### The Tamarind Group

This group of hotels includes The carnivore, Tamambo bar and grill, tamarind in Nairobi, Tamarind Mombasa, Tamambo Tapas bar, Tamambo village and Tamarind dhow.

### Tamarind Nairobi

The Nairobi Tamarind is situated in National Bank Building, Haile Selassie Avenue, close to the Central Bank of Kenya. It has an ambience of elegance and calm in addition to delicious food and superb service. As Nairobi's leading seafood restaurant we fly in, fresh from the coast daily, giant prawns, sweet young crabs, juicy lobsters, squid, octopus and oysters. If seafood is not your choice, we offer the finest venison, steak and poultry in the country.

### Carnivore

The Carnivore is considered 'Africa's Greatest Eating Experience'. Every type of meat imaginable including a selection of exotic meat is roasted over charcoal and carved at your table. The Carnivore is also home of the Simba Saloon, a delicious a la carte restaurant by day and Nairobi's most popular nightclub. The informal indoor/outdoor atmosphere, exceptional snacks and the pulsating rhythms of Africa combine to ensure an exciting ambience.



### Tamambo



Tamambo is a modern African brasserie incorporating warm earthy colours, stylish wood finishes and eclectic African artifacts. The trendy bar at Tamambo has become a popular after work meeting place. Tamambo Tapas Bar has opened at The Village Market. The Tapas Bar is available for exclusive hire as a function venue. It can accommodate 150 people for a cocktail party or 100 for a sit down dinner.

# Explore Nairobi



## Tourism

Nairobi is home to many tour operators and travel agents. Excursions can be arranged to all parts of the city and beyond. A Tour of Nairobi will normally include visits to the Nairobi National Park, home to large herds of Zebra, Wildebeest, Buffalo, Giraffes, Lions, Cheetahs, Hippos, Rhinos and over 400 species of birds. Sheldrick Elephant Orphanage, close to the Nairobi National Park takes in elephant calves and rhinos from all over Kenya orphaned by poaching. The Giraffe Centre, in Lang'ata breeds the endangered Rothschild Giraffe and has conservation/education programs for visitors. The Mamba Village park is home to ostriches and crocodiles. Visitors get the chance to interact directly with crocodiles and even hold baby crocs guided by experienced staff. The US Embassy Memorial Site, in the City Centre is a monument to the victims of the tragic Nairobi Embassy Bombings in 1998. Today, the serene park with galleries and inscriptions of the victims' names is a place where visitors come to learn about Kenya, its history and culture.

## Parks and recreation



Nairobi offers some beautiful getaways from the busy city life. The Uhuru Park ("Nairobi's Central Park") is a vibrant park that echoes the city's old slogan 'The Green City in the Sun'. Nairobi residents, tourists, students and business people from all walks of life visit the park everyday for picnics, study, rest and a host of other activities. The serene park is a great place to take a breath, read a book or catch up with family and friends. The park's major attractions include: Boat Riding, amusement park, picnic site, historical Monuments, assembly ground for meetings, skateboarding Spot, children's Park (Road Safety Academy).

## Leading Banks

Nairobi is the Financial Capital of the East and Central Africa Region. Leading local and international banks have set operations in the city creating a vibrant and competitive financial eco system that is ever evolving. Kenya's largest Bank, Equity Bank, based in Nairobi County has received international acclaim for innovative banking solutions while another local brand Central Bank of Africa is changing the banking landscape through a fast growing mobile banking and credit system in partnership with Safaricom; Kenya's largest Telecommunications Company. Some of the leading international banks in the city include Barclays Bank, Standard Chartered Bank, Citi bank and Bank of Africa.

## Night Life

Nairobi has a vibrant and growing social scene with a wide variety of clubs, pubs and sports bars catering for a wide variety of clientele. The world famous Carnivore Restaurant is one of the most popular entertainment spots offering game meat and live entertainment. The city has seen a rise in the number of new entertainment spots popping up in different parts of the city as a growing middle class feeds the demand for entertainment. The most popular entertainment districts in Nairobi are Westlands, Moi Avenue, Langata rd, Ngong rd and Tom Mboya Street. Nairobi's entertainment spots are open all week but are most active on Friday's and Saturday's when Nairobians seek to get a break from the busy week.



## Shopping



Downtown Nairobi, once the center for government, institutional and private office space is now a bustling shopping district where local and international brands compete for Kenya's growing middle class. The streets are lined with shops, supermarkets, fast food restaurants and stalls where you can buy anything from high end electronics to low cost clothing. Nairobi's shopping district is a diverse ecosystem that caters for every budget and every lifestyle. Grand shopping malls are now a common site in residential neighborhoods in Nairobi providing access to many local and international brands, products and services.

# Transportation

## Highways

Nairobi is connected by tarmacked roads to Kenya’s other major urban centers, such as Mombasa, Kisumu, Nakuru, Nyeri, Eldoret, Garissa, Machakos, Kisii, and Kericho among others. The City is currently undergoing major road constructions to upgrade its infrastructural network. Most roads are well lit and surfaced with adequate signage. Bypasses are currently under construction and seek to ease congestion in Nairobi’s downtown area and the surrounding suburbs.

## Airports

Nairobi is served primarily by Jomo Kenyatta International Airport. It is the largest airport in East and Central Africa. The airport is situated 17 km (10 miles) from Nairobi’s Central Business District. The airport directly serves intercontinental passengers from Europe, the Middle East and Asia as well as internal flights. In addition to Kenyan Airlines, Jomo Kenyatta International Airport is serviced by a large number of international airlines. Wilson Airport is a smaller and busy general aviation airport located in a south-central suburb of Nairobi West. It handles small aircraft that generally operate within Kenya, although some offer services to other East, Central and North-east African destinations.

## Railway service

Nairobi was founded as a railway town, and the main headquarters of Kenya Railways is still situated at Nairobi Railway Station, which is located near the city centre. The line runs through Nairobi, from Mombasa to Kampala. Its main use is freight traffic, but regular nightly passenger trains connect Nairobi to Mombasa and Kisumu. A number of morning and evening commuter trains connect the center with the suburbs.

## Public transport ( matatus & buses)

A matatu (public minibuses/commuter buses) is typically used for traveling between downtown Nairobi and the suburbs. They are the most common form of public transport and provide a cheap way of getting around Nairobi.

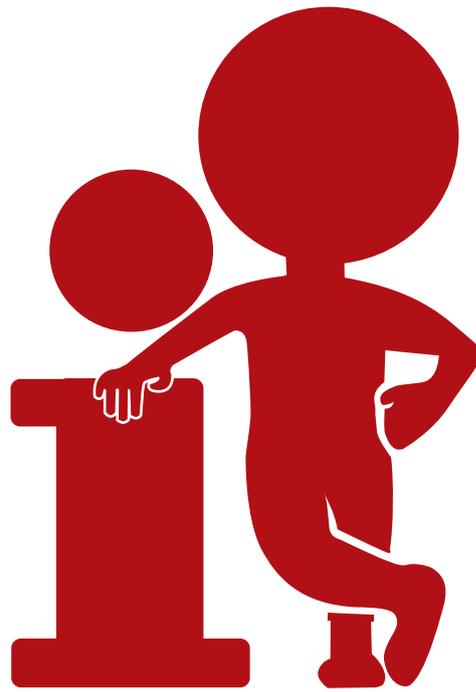






# Kenya: A connection hub





# Useful

Information



# Facility Data

	Area (m <sup>2</sup> )	Area (sq. ft.)	Ceiling Height(m)	Ceiling Height(ft)	Dimensions LxW(m)	Theater	Classroom	U-Shape	Boardroom	Banquet	Cocktail
Tsavo	2,666	28,697	12	32.8	83x30	5,000	3,200	-	-	2,500	4,000
Amphitheatre	2,444	26,307	15	49	70x70	-	800	-	-	-	-
Aberdares Hall	355	3,821	3	10	23x16	350	200	250	250	150	200
Lenana Hall	295	3,175	3	10	20x16	300	200	250	250	150	200
Impala Room	140	1,507	3	10	12x7	70	40	80	80	70	-
Turkana Room	140	1,507	3	10	12x7	70	40	80	80	70	-
Shimba Hills Hall	205	2,207	3	10	12x16	200	120	-	-	-	-
Taifa Hall	285	3,068	2.4	10	12x14	200	120	100	-	100	150
VIP Lounge	100	1,076	3	10	12.5x8	-	-	100	20	40	70
Delegates Lounge	806	8,676	3	10	12x7	400	250	-	-	150	300
Caucus (15 Rooms)	20	215	3	10	12x7	25	20	20	20	-	30
Batian	40	431	3	10	12x7	40	30	30	20	-	20
Impala Annex	30	323	3	10	12x7	25	20	20	20	40	40

Simultaneous interpretation booths will be provided in each facility as per requirement.

## USEFUL INFORMATION

Kenya has an extensive network healthcare facilities; the health care in Kenya varies depending on your location, your choice of hospital and your need of treatment.

Below are some of the hospitals in different counties

# Emergency Hospitals

## PRIVATE HOSPITALS

### NAIROBI HOSPITAL, MAIN HOSPITAL BRANCH

Argwings Kodhek Rd, Nairobi

P.O.Box: 30026-00100 Nairobi GPO

Tel: +254-202845000

Fax: +254-202728003

Mobile: +254-722204114

### AGA KHAN UNIVERSITY HOSPITAL, NAIROBI

Aga Khan Hospital, 3rd Parklands Ave, Nairobi

P.O.Box: 30270-00100 Nairobi GPO

Tel: +254-203662000

### AGA KHAN HEALTH SERVICE (K) - KISUMU HOSPITAL

The Aga Khan Hospital, Nyerere Rd, Kisumu

P.O.Box: 530-40100 Kisumu

Tel: +254-572024359

### NAIROBI WOMEN'S HOSPITAL, HURLINGHAM

Kirichwa Rd, off Ngong Rd, Nairobi

P.O.Box: 10552-00100 Nairobi GPO

Tel: +254-203862772

Mobile: +254-721696238 +254-721696214

+254-722760146 +254-733618353

### MATER HOSPITAL

Dunga Rd, Industrial Area, Nairobi

P.O.Box: 30325-00100 Nairobi GPO

Tel: +254-206903000

Fax: +254-206534289

Mobile: +254-719073000 +254-732163000

### KAREN HOSPITAL, THE - EMERGENCY BRANCH

Lang'ata Rd, Nairobi

P.O.Box: 74240-00200

Tel: +254-202215608

Mobile: +254-726222001+254-736200001

+254-736200003

**Some of the other private hospitals around the country are:**

### AGA KHAN HOSPITAL MOMBASA

Vanga Rd off Nyerere Ave, Mombasa

P.O.Box: 83013-80100 Mombasa

Tel: +254-412221127

Fax: +254-412313278

Mobile: 722205110

### PANDYA MEMORIAL HOSPITAL, MOMBASA

Dedan Kimathi Ave, Mombasa

P.O.Box: 90434-80100 Mombasa

Tel: +254-412313930

More Lines: +254-412313577

### Key public hospitals

#### KENYATTA NATIONAL HOSPITAL - NAIROBI

Hospital Road, Upper Hill, Nairobi Kenya

P.O.Box: 20723-00202 Nairobi

Tel: +254-202726300

Fax: +254-202725272

#### MOI TEACHING & REFERRAL HOSPITAL - ELDORET

Nandi Rd, Eldoret

P.O.Box: 3-30100 Eldoret

Tel: +254-532033471

Fax: +254-532061749

# Hotels & Resorts directory

			
The Hilton Hotel	+254 (0) 20 279 0000 +254 (0) 20 228 8000	nairobi-info@hilton.com	www.hiltonhotel.com
Norfolk Hotel	+254 (0) 20 225 5555	kenya.reservations@fairmont.com	www.fairmont.com/norfolk
The Sarova Stanley	+254 (0) 20 275 7000 +254 (0) 719 048 000	thestanley@sarovahotels.com	www.sarovahotel.com/stanley
Nairobi Serena Hotel	+254 (0) 20 284 2000	-	www.serenahotels.com
The Boma Hotel	+254 20 390 4000 +254 719 050 000	bernard.itebete@theboma.co.ke	
Tribe Hotel	+254 20 720 0000		
Intercontinental Nairobi	+254 (0) 20 320 0000	-	www.intercontinental.com/nairobi
Best Western Premier Nairobi	+ 254 722 247 841 +254 20 292 7000 +254 732 292700 +254 722 292700	-	-
Sankara Nairobi	+254 (0) 20 420 8007 +254 (0) 20 420 8888	connect@nairobi.sankara.com	www.sankara.com
Villa Rosa Kempinski	+254 (0) 20 360 3000 + 254 703 049 000 +254 708 986 975	-	www.kempinski.com
Laico Regency Hotel	+254 (0) 20 221 1199 +254 (0) 20 288 7000	reservations@laicoregencyhotel.co.ke	www.laicoregencyhotel.co.ke
Dusit D2 Hotel	+254 (020) 4233000 +254 (020) 4233180	-	-
Crowne Plaza	+254 20 2746081	-	-
Radisson Blu Hotel Nairobi	+254 20 2048909/9	-	-



# Transport in Kenya

Transportation is plenty in Kenya and at your cost with variety of choices to make that includes private/car Hire means and, Airline, taxis

## TAXI.

A safe and reliable way of travelling from your resort hotel to the attraction or place you are going to visit. There are chain of recognizable corporate taxis around and providing good services within Nairobi and to the nearby towns. There are plenty and quite at your service.

## JATCO TAXIS AND TOURS LTD

3rd Floor Westlands Arcade, Woodville Road

Westlands, Nairobi

Email: sales@jatcotaxis.com

: bookings@jatcotaxis.com

Tel: phone +254 2 4446096 /4448162 /4446096

Mobile +254 0722648383 /0733701494

Fax: +254 2 4446096

Website: jatcotaxis.com

## JIMCAB KENYA LTD

Tel: +254 20 7121205/7122565/7120344

Mobile: +254 0722711001/ 0722714246/

0733735499

Fax: +254 20 7122565

Website: jimcab.co.ke

## KENATCO TAXI SERVICES

12th Floor, Uchumi House, Aga Khan Walk

P.O. Box 52684-00200

Nairobi, Kenya

Cell; +254 721830061/ +254 788502237

JKIA; +254 703 115076

Email; info@kenatco.co.ke

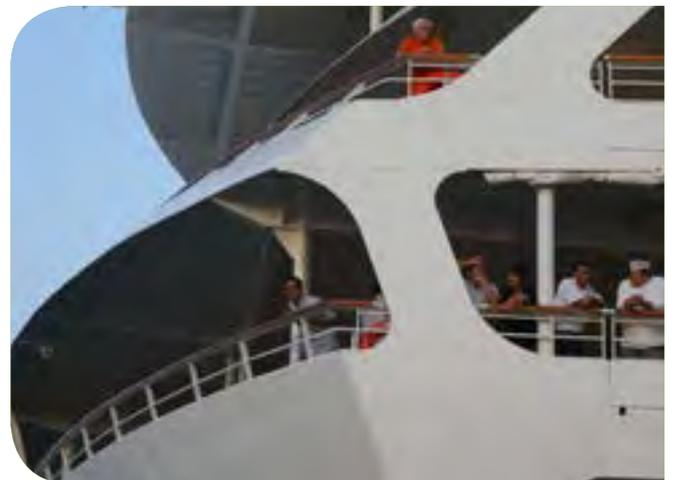
## »» AIR

Kenya has dozens of airports spread across the country and travelling between destinations by plane is both safe and fast. Several airlines offer services with regular connections from Nairobi to Mombasa, Kisumu, Malindi, Lamu as well as the main national parks and reserves, such as Masai Mara and Amboseli.



## »» SEA

Ferries run along the coast between the major cities of Mombasa, Malindi and Lamu and you can even hire traditional Kenyan sailing boats, known as dhows, in these cities. Boats can be booked at travel agencies.





Tahaa Island Mombasa

## Travel and Tour firms

Kenya has very many Tour & Travel Firms which help you to plan and make your holiday to be fun, adventurous and quite exciting. There is a wide variety of adventures, places to visit, things to do which are best planned by a tour firm. Some of the Tour and travel firms are:

### **BUNSONS TRAVEL SERVICES**

Pan African Insurance House

Tel: 254-20-221992-4

### **CHARLESTON TRAVEL LTD**

20th Century Plaza, Mama Ngina Street

Tel: 254-20-214212, 211783, 214036

### **AIR TRAVEL & RELATED SAFARIS**

The Bazaar Tel +254 -20228336

### **CRANE TRAVELS & TOURS LIMITED**

For your business & holiday travel, tours & safaris

3rd Floor, Occidental Plaza, Westlands

P.O. Box 51391, 00200 City Square, Nairobi

Tel: + 254 -203749165, 254 -203741513,

254 -203748157

Fax: 374158.

### **NORDIC TOURS & SAFARIS**

I.P.S. Building, 3rd flr Tel +254 -20331745

### Kenya, Nairobi

#### Ambassador/Permanent Representative

Permanent Mission of Kenya to the United Nations Office,  
Nairobi Kenya Mission to UNEP

P. O. Box 67578 Nairobi, Kenya 00200

**Telephone:** 254-20-7621234

**Fax:** +254-20-2163372

**Email:** kmunon@mfa.go.ke or kmunep@swiftkenya.com

**Website:** www.unon.org

### Nigeria, Abuja

#### High Commission Of The Republic Of Kenya, Abuja

No 357, Diplomatic Drive, CBD, Abuja, Nigeria

P. O. Box: P.M.B.5160, Wuse Head Office, Abuja

**Telephone:** +234 709 873 4350

**Cell:** +234 816 474 9510

**Fax:** +234-9-4139-157

**Email:** abuja@mfa.go.ke, info@kenyanigeria.org

Kenyahi@alpha.lindserve.com

**Website:** www.kenyanigeria.org

Other countries of Accreditation: Cote D'voire, Togo, Ghana,  
Liberia, Benin, Sierra Leone

### Ethiopia, Addis Ababa

#### Embassy Of The Republic Of Kenya, Addis Ababa

Fikre Mariam Road, High 16 Kebelle 01,

P. O. Box 3301, Addis Ababa, Ethiopia

**Telephone:** +251-11-66110033

**Fax:** +251-11-6611433

**Email:** addisababa@mfa.go.ke

**Website:** www.kenyaembassyaddis.org

Other countries/Organisations of Accreditation: Republic of  
Djibouti, AU.

### Burundi, Bujumbura

#### Embassy of the Republic of Kenya

P.T.A. Bank Building, 2<sup>nd</sup> Floor, West Wing

Chasse'e Du Prince Louis Rwagasoa,

B.P. 5138, Mutanga, Burundi

**Tel:** +257-22-258160

**Fax:** +257-22-258161

**Emails:** bujumbura@mfa.go.ke

info@kenyaembassyburundi.com

**Website:** www.kenyaembassyburundi.com

### Egypt, Cairo

#### Embassy Of The Republic Of Kenya, Cairo

Villa 60, Al Kanal Street, Maadi

P. O. Box 362 CAIRO, EGYPT.

**Telephone** +202-23592159/23581260

**Fax:** +202-23580713

**E-Mail:** info@kenemb-cairo.com

**Website:** www.kenemb-cairo.com

Other countries of Accreditation: Kingdom of Morocco, Tunisia  
Democratic People's Republic of Algeria, State of Eritrea and  
Jordan

### Tanzania, Dar-es-salaam

#### High Commission Of The Republic Of Kenya, Dar-Es-Salaam

P. O. Box 5231, DAR-ES-SALAAM, TANZANIA

**Telephone:** +255-22-2668285/6, MOBILE: 0744 785111

**Fax:** +255-22-2668213

### Botswana, Gaborone

#### High Commission Of The Republic Of Kenya, Gaborone

Plot 786, Independence Avenue

Private Bag 297, Gaborone, Botswana

**Telephone:** +267-3951408/3951430

**Fax:** +267-3951409

**Emails:** hc.gaborone@mfa.go.ke or info@khcbotswan.org.bw

gaborone@mfa.go.ke

### Zimbabwe, Harare

#### High Commission Of The Republic Of Kenya, Harare

95 Park Lane

P.O BOX 4069, Harare, Zimbabwe

**Telephone:** +263-4-704820

**Fax:** +263-4-723042

**Email:** kenhicom@africaonline.co.zw, harare@mfa.go.ke

amb.harare@mfa.go.ke

Other countries of accreditation: Kingdom of Lesotho,  
People's Republic of Mozambique, Kingdom of Swaziland.

### South Sudan, Juba

#### Embassy Of The Republic Of Kenya, Juba

P. O. Box 208, JUBA, South Sudan

**Telephone:** +211-954898147

**Satelite No.** +8821643332432

**Email:** juba@mfa.go.ke or keconju@yahoo.co.uk

**Website:** www.kenyaembassysouthsudan.org

### **Uganda, Kampala**

#### **High Commission Of The Republic Of Kenya, Kampala**

Plot 8A John Babiha (Acacia Avenue)

P.O. Box 5220, Kampala, Uganda

**Tel:** +256-414-258232/5/6

**Fax:** +256 - 414-258239

**Email:** kampala@mfa.go.ke or kenhicom.kampala@gmail.com

**Website:** www.kenyamission.or.ug

### **Sudan, Khartoum**

#### **Embassy Of The Republic Of Kenya, Khartoum**

Premises No. 516 Block 1 West Giraif, Street 60

P. O. Box 8242, Khartoum, Sudan

**Telephone:** +249-1-55772800/01

**Fax:** +249-1-55772802

**Email:** khartoum@mfa.go.ke or kenemb@yahoo.com

### **Rwanda, Kigali**

#### **Embassy Of The Republic Of Kenya, Kigali**

Chancery Plot No. 1716 Kacyiru Avenue De L'umuganda

P.O Box 6159, Kacyiru, Kigali, Rwanda

**Telephone:** +250-583332-6

**Fax:** +250-510919

**Email:** Kigali@mfa.go.ke or info@kenyahighcomkigali.org

Other countries of Accreditation: Republic of Burundi

### **South Africa, Pretoria**

#### **High Commission Of The Republic Of Kenya, Pretoria**

Taifa Hse 302 Brooks Street, Menlo Park, 0081, Pretoria

P. O. BOX 35954, MENLO PARK, 0081, SOUTH AFRICA

**Telephone:** +27-12-3622249/3622250/3622251

**Fax:** +27-12-3622252

**Email:** pretoria@mfa.go.ke, hc.pretoria@mfa.go.ke

kenrep@mweb.co.za

**Website:** www.kenya.org.za

### **Libya, Tripoli**

#### **Kenya Embassy, Tripoli, Siyahiya Km 7**

P. O. Box 74100, Tripoli, Libya

**Telephone:** +218-21-4837321

**Fax:** +218-21-4830536

**Email:** tripoli@mfa.go.ke or kenya\_embassy\_ly@yahoo.uk

### **Namibia**

#### **EMBASSY OF THE REPUBLIC OF KENYA, WINDHOEK**

134 ROBERT MUGABE AVENUE

P. O. Box 2889

Windhoek, Namibia

**Telephone:** 061 226836/225900

**FAX:** 061 221409

**Email:** kenyanet@mweb.com.na or windhoek@mfa.go.ke or hc.windhoek@mfa.go.ke

**Website:** www.khwindhoek.com

Other countries of Accreditation: Angola

### **Somalia**

#### **Kenya Embassy To Somalia**

Nssf Building, Bishops Road, Block A 22nd Floor, Western Wing

P. O. Box 67454-00200, Nairobi

**Telephone:** +254-20-2733883/2733893

**Fax:** 254-20-2733887

**Email:** somalia@mfa.go.ke or kensom@wananchi.com

### **Congo**

#### **Embassy Of The Republic Of Kenya, Kinshasa**

4002 Avenue De Louganda, Commune De Gombe

P. O. Box 9667, Kinshasa, Congo (DRC)

**Telephone:** +243 815565935/36

**Fax:** +243 815565939

**Emails:** kinshasa@mfa.go.ke

**Website:** www.kenyaembassy.cd

Accredited to: Congo (Brazzaville), Gabon and Central Africa Republic

## **Asia/Australia**

### **Thailand, Bangkok**

#### **Embassy Of The Republic Of Kenya, Bangkok**

62 Soi 5 Thong, Lor, Sukhumrit 55 Road

Klongtan, Wattana, Bangkok 10110, Thailand 22

**Telephone:** 66-27125721, 23910906/7

**Fax:** 66-21725720

### **China, Beijing**

#### **Embassy Of The Republic Of Kenya, Beijing**

4Xi Liu Jie, San Li Tun, Beijing, 100600 – China

**Telephone:** +86-10-65323381, 65322473

**Fax:** +86-10-65321770, 65323325

Other Countries Of Accreditation: Philippines

## **Australia, Canberra**

**High Commission of the Republic of Kenya, Canberra**

43 Culgoa Circuit, O'Malley, ACT 2606

GPO Box 1990, Canberra City 2601

**Tel:** +61-2-6290 7100/ +61-2-62474788

**Fax:** +61262576613

**Emails:** canberra@mfa.go.ke or khc-canberra@kenya.asn.au

**Website:** www.kenya.asn.au

Other country of Accreditation: New Zealand

## **Pakistan, Islamabad**

**High Commission Of The Republic Of Kenya, Islamabad**

Plot # 1-2-3, St # 27, Ramna 5

Diplomatic Enclave Islamabad Pakistan

P. O. Box 2097, Islamabad, Pakistan

Telephone: +92-51-2601504-6

**Fax:** +92-51-2601507

**Email:** Islamabad@mfa.go.ke

**Web:** www.kenyahighcommission.com.pk

## **Malaysia**

**High Commission Of The Republic Of Kenya, Kuala Lumpur**

No. 8 Jalan Taman U-Thant

55000, Kuala Lumpur, Malaysia

**Telephone:** +603-21461163

**Fax:** +603-21451087

**Email:** kualalumpur@mfa.go.ke

**Website:** www.kenyahighcom.org.my

Other countries of Accreditation: Indonesia, Philippines and Brunei

## **Malaysia, Kuala Lumpur**

**High Commission Of The Republic Of Kenya, Kuala Lumpur**

55000 Kuala Lumpur, Malaysia

**Telephone:** +603-21461163

**Fax:** +603-21451087

**Email:** admin@Kenyahighcom.Org.My

**Website:** Www.Kenyahighcom.Org.My

Other Countries Of Accreditation: Indonesia, Philippines

## **India, New Dehli**

**High Commission Of The Republic Of Kenya, New Delhi**

34, Paschimi Marg, Vasant Vihar, New Delhi - 110057, India

**Telephone:** +91-11-26146537/38/40

**Fax:** +91-11-26146550

**Emails:** newdelhi@mfa.go.ke or info@kenyahicom-delhi.com

**Website:** www.kenyahicom-delhi.com

Other countries of Accreditation: People's Republic of Bangladesh, Sri Lanka, Singapore

## **Korea, Seoul**

**Embassy of the Republic of Kenya, Seoul**

38, Hyoinamuro 44-gil, Yongsan-Gu

Seoul, Korea (140-857)

**Telephone:** 82-2-3785-2903/4

**Fax:** 82-2-3785-2905

**Email:** seoul@mfa.go.ke

**Website:** www.kenyaembassy.or.kr

## **Tokyo**

**Embassy Of The Republic Of Kenya, Tokyo**

3-24-3, Yakumo, Meguro-Ku, Tokyo 152, 0023 Japan

**Telephone:** +81-3-37234006/7

**Fax:** +81-3-37234488

**Email:** tokyo@mfa.go.ke or kenrep@kenyarep-jp.com

**Website:** www.kenyarep-jp.com

# Europe

## **Belgium, Brussels**

**Embassy Of The Republic Of Kenya To The Kingdom Of**

**Belgium & Kenya Mission To The European Union**

Avenue Winston Churchill 208, 1180 Brussels, Belgium

**Telephone:** +32-2-3401040

**Fax:** +32-2-3401050/62

**Email:** brussels@mfa.go.ke or info@kenyabrussels.com

**Website:** www.kenyabrussels.com

Other countries/Organisations of Accreditation: Grand Duchy of Luxembourg, European Union

## Germany, Berlin

### Embassy Of The Republic Of Kenya, Berlin

Markgrafenstr 63, 10969 Berlin

**Telephone:** +49-030-25926650

**Fax:** +49-030-25926650

**Email:** berlin@mfa.go.ke, office@kenyaembassyberlin.de

**Website:** www.embassy-of-kenya.de

Other countries of Accreditation: Republic of Bulgaria

Romania

## Ireland

### Embassy of the Republic of Kenya,

11 Elgin Road, Ballsbridge Dublin 4, Ireland

**Telephone:** +353-1-6136380

**Fax:** 353-1-6685506

**Email:** info@kenyaembassyireland.net

**Website:** www.kenyaembassyireland.net

## Switzerland, Geneva

### Ambassador/Permanent Representative

Kenya Mission Of U.N., Geneva

1-3 Avenue De La Paix, 1202 Geneva, Switzerland

**Telephone:** +41-22-9064050/73

**Fax:** +41-22-7312905

**Email:** mission.Kenya@ties.itu.int

**Website:** www.missions.itu.int/-kenya

Other countries of Accreditation: U.N. Missions In Geneva

## Netherlands, Hague

### Embassy Of The Republic Of Kenya, The Hague

Nieuwe Parklaan 21, 2597 La The Hague, Netherlands

**Telephone:** +31-70-3504215

**Fax:** +31-70-3553594

**Email:** hague@mfa.go.ke or infor@kenya-embassy.nl

**Website:** www.kenyaembassy.nl

Other countries of Accreditation: Czech Republic

Netherlands

## United Kingdom, London

### High Commission of the Republic of Kenya, London

45 Portland Place, London, Wi B las, United Kingdom

**Telephone:** +44-020-76362371/5

**Fax:** +44 -020-73236717 or +44-020-73231932

**Email:** Kcomm45@aol.com, hc.london@mfa.go.ke

info@kenyahighcom.org.uk

**Website:** www.kenyahighcom.org.uk

Other countries of Accreditation: Switzerland

Commonwealth and International Maritime Organization

## Spain, Madrid

### Embassy Of The Republic Of Kenya, Madrid

Calle Jorge Juan 9 – 3º Dcha Madrid, 28001

**Tel:** +34-917812000

**Fax:** +34-915760854

**Email:** madrid@mfa.go.ke or info@kenyaembassypain.es

**Website:** www.kenyaembassypain.es

## Russia, Moscow

### Embassy Of The Republic Of Kenya, Moscow

Lopukhinsky Pereulok, 5, Moscow, Russia, 119034

Moscow, Russia

**Telephone:** +7-495-6372186/6374257/6372535

**Fax:** + 7-495-6375463

**Email:** moscow@mfa.go.ke, Kenya@citylin.ru

kenemb@kenemb.ru

**Website:** www.kenemb.ru

Other countries of Accreditation: Belarus, Kazakhstan

Ukraine and Georgia

## France, Paris

### Embassy Of The Republic Of Kenya, Paris

3 Rue, Freycinet, 75116 Paris, France

**Telephone:** +33-1-56622525

**Fax:** +33-1-47204441

**Email:** paris@mfa.go.ke or info@ambassade-kenya.fr,

**Website:** www.kenyaembassyparis.org

Other countries of Accreditation: Spain, Portugal, Serbia,

UNESCO, Kazakhstan, Switzerland

## Italy, Rome

### Embassy Of The Republic Of Kenya, Rome

Viale Luca Gaurico, 205

00143, ROME, ITALY

**Telephone:** +39-06-8082717/14/18

**Fax:** +39-06-8082707

**Email:** rome@mfa.go.ke or kenroma@rdn.itt

**Website:** www.embassyofkenya.it

Other countries of Accreditation: Republic of Poland, Greece,

Malta & Cyprus, UN Agencies in Rome ( FAO, IFAD & WFP)

## **Sweden, Stockholm**

### **Embassy Of The Republic Of Kenya, Stockholm**

Birger Jarlsgatan 37, 2Nd Floor

P. O. Box 7694, 103 95 Stockholm, Sweden

**Telephone:** +46-8-218300/4/9

**Fax:** +46-8-209261

**Email:** Kenya.embassy@telia.com

Other countries of Accreditation: Iceland, Denmark, Norway, Republic of Finland

## **Austria, Vienna**

### **Embassy/Permanent Mission Of The Republic Of Kenya**

Andromeda Tower, 16th Floor

Donau-City-Stasse 6 A-1220, Vienna, Austria

**Telephone:** +43-1-7123919/7123920

**Fax:** +43-1-7123922

**Email:** kenyare-vienna@aon.at or Vienna@mfa.go.ke

**Web:** www.kenyaembassyvienna.at

Other countries/Organisations of Accreditation: Austria, Hungary and Slovakia and UN Agencies (UNOV, IAEA, UNIDO, UNODC & CTBTO)

## **France, Unesco**

### **Permanent Delegation Of The Republic Of Kenya To Unesco**

P.O Box 1, Rue Miollis, 75732 Paris Cedex 15 France

**Telephone:** +33-145683281/2

**Fax:** +33-145-683283

**Email:** paris\_unesco@mfa.go.ke

dl.kenya@unesco-delegations.org

**Website:** www.kenya-delegation-unesco.org

## **America**

## **Brazil, Brasilia**

### **Embassy of the Republic of Kenya, Brasilia**

Shis, Qi10, Conjunto 08, Casa 08 Lago-Sul, Brasilia-Df

Cep 71630-085, Brasilia, Brazil

**Telephone:** +55-61 3364 0691/1141

**Fax:** +5561 3364 – 0978

**Email:** brazil@mfa.go.ke, info@kenyaembassybrazil.com.br

**Website:** www.kenyaembassybrazil.com.br

Accredited to: Argentina, Chile, Colombia & Venezuela

## **U.S.A, New York**

### **Representative 20, Kenya Mission To The United Nations**

866 U.N. Plaza, Suite 304, New York, Nw 10017, N.Y., Usa

**Telephone:** +1-212-4861985

**Email:** Kenya@un.int

## **Canada, Ottawa**

### **High Commission Of The Republic Of Kenya, Ottawa**

415 Laurier Avenue East, Ottawa, Ontario, Kin 6R4 Canada

**Telephone:** +1-613-5631773/4/6

**Fax:** +1-613-233-6599

**Email:** ottawa@mfa.go.ke

Balozi.kenyahighcommission@rogers.com

**Website:** http://kenyahighcommission.ca

Other countries of Accreditation: Cuba and ICAO

## **USA, Washington**

### **Embassy Of The Republic Of Kenya, Washington**

2247, R. Street N.W., Washington D.C. 20008, USA

**Telephone:** +1-202-3876101

**Fax:** +1-202-4623829

**Email:** info@kenyaembassy.com or washington@mfa.go.ke

**Website:** www.kenyaembassy.com

Other countries of Accreditation: Republic of Mexico, Republic of Colombia

## **Middle East**

## **UAE, Abu Dhabi**

### **Embassy Of The Republic Of Kenya, Abu Dhabi**

Al Manhal/Falah Street No.9, Behind Diabetes Center, Khalidiya, Abu Dhabi, P. O. Box 3854, Abu Dhabi, United Arab Emirates

**Telephone:** +971-2-6666300

**Fax:** 000-971-2-6652827

**Email:** Kenyarep@emirates.net.ae, abudhabi@mfa.go.ke

**Website:** http://www.kenyaembassy.ae

## **Saudi Arabia, Riyadh**

### **Embassy Of The Republic Of Kenya, Riyadh**

Diplomatic Quarters, P. O. Box 94358 – 11693, RIYADH,

**Telephone:** +966-1-4881238/4882484

**Fax:** +966-1-4882629

**Email:** [riyadh@mfa.go.ke](mailto:riyadh@mfa.go.ke) or [amb.riyadh@mfa.go.ke](mailto:amb.riyadh@mfa.go.ke) or [Kenya@shaheer.net.sa](mailto:Kenya@shaheer.net.sa)

**Website:** [www.kenyaembassyriyadh.com](http://www.kenyaembassyriyadh.com)

Other countries of Accreditation: Iraq, Yemen

## **Muscat**

### **Embassy of the Republic of Kenya, Muscat**

Way No. 3050, Villa No. 4074, Shatti Al Qurum.

P. O. Box 173, Bareeq Al Shatti, Pc 103, Muscat,

Sultanate Of Oman

**Tel:** +968 24697664

**Fax:** +968 24697366

**Email:** [muscat@mfa.go.ke](mailto:muscat@mfa.go.ke) or [info@kenyaembassymuscat.com](mailto:info@kenyaembassymuscat.com)

**Website:** [www.kenyaembassy-muscat.com](http://www.kenyaembassy-muscat.com)

## **Tehran**

### **Embassy Of The Republic Of Kenya, Tehran**

12, M. Ravanpour Str, Off Africa Avenue

P. O. Box 19395/4566, Tehran, Iran,

**Telephone:** +98 21 22651080-2

**Fax:** +98 21 22651083

**Email:** [tehran@mfa.go.ke](mailto:tehran@mfa.go.ke) or [info@kenyaemb-tehran.com](mailto:info@kenyaemb-tehran.com)

## **Dubai**

### **Kenya Consul General, Dubai**

Jumeirah Beach Road, Jumeirah 2, Street 15, Villa No 5

P. O. Box 214933, Dubai

**Telephone :** +971-4-3428111

**Fax:** +971-4-3428181

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[cg.dubai@mfa.go.ke](mailto:cg.dubai@mfa.go.ke)

## **Tel Aviv**

### **Embassy Of The Republic Of Kenya, Tel Aviv**

Zaksenberg Building, 15 Abba Hillel Silver, 3Rd Floor

Ramatgan 52136, P. O. Box 3621, Tel Aviv, Israel

**Telephone:** +972-3-5754633

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**Email:** [telaviv@mfa.go.ke](mailto:telaviv@mfa.go.ke) or [info@kenyaembassytlv.org](mailto:info@kenyaembassytlv.org)

**Website:** [www.kenyaembassytlv.org.il](http://www.kenyaembassytlv.org.il)

## **Kuwait**

### **Embassy Of The Republic Of Kenya, To The State Of Kuwait**

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**Website:** [www.kenyaembkuwait.com](http://www.kenyaembkuwait.com)

Other countries of Accreditation: Lebanon

## **Qatar**

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**Telephone:** +974 4493 1870/44329280/44113126/443292

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**Website:** [www.kenyaembassydoha.com](http://www.kenyaembassydoha.com)



## Summary of the bids for 2019 - Kenya, Nairobi, Institution of Surveyors, Kenya

The following clarification is based on information given in the bid documents. Below is a summarized comparison from given bids. All variables were submitted in the original bid for proposals. This document is a summary of each country's bid and is meant to be a fact based document.

ITEM and criteria	Kenya, Nairobi, Institution of Surveyors, Kenya
<p><b>1. Rotation of the conference:</b> Previous and planned conferences:</p>	<p>Africa (2013, 2011, 2005) Sub Saharan Africa (2013) + Regional conferences <b>Congresses:</b> 2014: Asia and the Pacific (Malaysia); 2010: Asia and the Pacific (Australia); 2006: Europe (Germany), 2002: North America (USA); 1998: Europe (United Kingdom); 1994: Asia and the Pacific (Australia) <b>Working Weeks:</b> 2017: Europe (Finland) 2016: Asia and the Pacific (New Zealand); 2015: Europe (Bulgaria); 2013: Africa (Nigeria); 2012: Europe (Italy); 2011: Africa/Arab countries (Morocco); 2009: Asia/Middle East (Israel); 2008: Europe (Sweden); 2007: Asia (Hong Kong SAR, China); 2005 Africa/Arab countries (Egypt); 2004: Europe (Greece); 2003: Europe (France); 2001: Asia (Republic of Korea); 2000. Europe: Czech Republic.</p>
<p><b>2. Country</b> hosting of earlier FIG events and general experience</p>	<p>Currently Kenya is ranked 2nd in Africa according to International Congress and Conventions Associations (ICCA)2013 statistics ISK hosted the International Conference on Spatial Information for Sustainable development in collaboration with FIG and the United Nations Centre for Human Settlements (Habitat) held from 2nd to 5th October 2001. ISK also hosted the first FIG African Task Force Workshop on Peri-Urban Settlements: Tools &amp; Techniques for Surveyors to ensure Environmental and Social Resilience in cooperation with Taskforce. The workshop with participants from Africa and beyond was held on 11th and 12th November 2010. in Mombasa, Kenya,</p>
<p><b>3. Member association</b> Its activeness, Commitment to FIG and to FIG 2019 Execution ability for local association</p>	<p>The Institution of Surveyors of Kenya is an active member of FIG and is well represented and active at FIG conferences. ISK is not in arrears.</p>
<p><b>4. Supporting organisations</b> Local support to the Working Week Governmental support Financial support General support</p>	<p>The conference will be supported by the Government of Kenya through various bodies This includes;</p> <ol style="list-style-type: none"> <li>1. The Ministry of Land, Housing and Urban Development</li> <li>2. Ministry of Foreign Affairs and International Trade</li> <li>3. Kenyatta International Convention Centre</li> <li>4. University of Nairobi</li> <li>5. Technical University College</li> </ol> <p>Governmental financial support</p>
<p><b>5. Host city</b> Characteristics and interest from congress programme point of view</p>	<p>Nairobi "Green City in the Sun" The city is one of the prominent cities in Africa politically and economically and home to many multinational companies The name "Nairobi" comes from the Maasai phrase Enkare Nyirobi, which translates to "the place of cool waters". It is easy to get around and offers a variety of activities to keep anyone busy including shopping, visitor attractions, historical tours, theatre, as well as some of the most exciting restaurants, bars, cafes and night clubs.</p>

Host city attractiveness Host city offerings	It is established as a Hub for business and culture. Nairobi has prevailed in the recent years as the top meeting destination within the region and is included in the list of ICCA as top 100 of the most popular meeting destinations worldwide.
<b>6. Venue</b>  Price/affordability Location of venue Internet availability Suitability of rooms, size of venue, structure and layout of the venue Catering Value for money Hotels nearby Facilities for exhibition	The Kenyatta International Convention Centre (KICC) is a State Corporation reestablished through a State Corporation under the Tourism Act 2011 with the primary mandate of promoting and marketing conference tourism both locally and internationally. Located at the heart of the central business district of Kenya's Capital, KICC boasts of its proximity and easy accessibility to and from all major five-star hotels, most of which are ten minutes walk away and five minutes away by car. KICC has the capacity to hold both large and small events, both indoors and outdoors. The facility has excellent rooms, with good ambiance, clean and air conditioned. On Ground floor with an area of 2,444 m2 »» Sitting: Theatre: 5,000 Classroom: 2,500 Banquet: 2,500 The network which is supported on a fibre optic backbone together with the necessary infrastructure has been laid across the entire KICC premises. Possibility for outdoor exhibition area
<b>7. Accessibility</b>  Flight connections Several access possibilities Security Visa issues Air fare to destination	Nairobi is served primarily by Jomo Kenyatta International Airport. It is the largest airport in East and Central Africa. The airport is situated 17 km (10 miles) from Nairobi's Central Business District. The airport directly serves intercontinental passengers from Europe, the Middle East and Asia as well as internal flights. In addition to Kenyan Airlines, Jomo Kenyatta International Airport is serviced by a large number of international airlines. Wilson Airport is a smaller and busy general aviation airport located in a southcentral suburb of Nairobi West. It handles small air craft that generally operate within Kenya, although some offer services to other East, Central and North-east African destinations. Nationals of some countries are required to have a visa prior to their entry in Kenya. Although it's possible to obtain a visa on arrival at Jomo Kenyatta International Airport in Nairobi, it is advisable to obtain the visa from the Kenyan Embassy/ High Commission in your country prior to departure. The government of Kenya will make arrangements to expedite Visa issuance at JKIA by allocating dedicated desks for delegates coming from countries where there are no Kenyan missions.
<b>8. Safety and security</b>  Political stability Airport safety City safety – is it safe to move around? Political stability in country (rating must be 3 or higher)	Conference tourism is very sensitive to security matters. KICC has therefore put in place firm measures to ensure delegates and visitors safety while in and around the centre. The Center is centrally and strategically located in the Central Business District and is surrounded by highly secured institutions like the Kenya Police Headquarters, High Court of Kenya, Office of the President, among other very highly secured buildings. Inside the centre, KICC enjoys a fully equipped police station to beef up the security of delegates. The Centre is also guarded by internationally acclaimed security firm known as the Bob Moran (BM). KICC prides itself in having one of the latest ultra modern electronic security systems that covers all meeting rooms, entrances main gates and all the walking paths in the building .
<b>Proposed dates</b> Must meet FIG requirements Following FIG statutes Practical dates Availability of venue Other conferences at same time	17th – 24th May 2019 7th – 14th June 2014 or 14th to 21st June 2019.

<p><b>9. Technical programme</b></p> <p>Coverage of all FIG Commissions, Potential partners Originality Special ideas</p>	<p>Nothing expressed in the bidding document.</p>
<p><b>10. Technical tours</b></p> <p>Coverage of all FIG Commissions Originality Ideas proposed</p>	<p>The delegates attending the FIG working week will have a programme for technical tours relevant to all the FIG Commissions. This will include:</p> <ul style="list-style-type: none"> <li>• The Great Rift Valley with varying features</li> <li>• Kibera slums one of the biggest informal urban settlements in Africa</li> <li>• Lake Bogoria is a saline, alkaline lake that lies in a volcanic region with hot springs</li> <li>• The Olkaria Area renown source of geothermal clean electrical power generation</li> <li>• Various large scale farms supplying the World with tea, coffee and horticulture</li> </ul>
<p><b>11. Social programme</b></p> <p>Attractiveness and variety Proposals for dinners Attractiveness of offered dinners Proposals for tours Is the program following the overall FIG concept</p>	<p>The Social tours programme will be expansive and will include visits to:</p> <ul style="list-style-type: none"> <li>• The Nairobi National Park an unique wildlife sanctuary only 7 kms from the Nairobi bustling City Centre</li> <li>• Museums including National museum of kenya, the current blixen museum, The Carnivore Restaurant , the ultimate 'Beast of a Feast' A variety of game meat including ostrich, crocodile and camel</li> <li>• Specialized animal parks:- such as Snake Park, Mamba village and Ostrich park.</li> <li>• Bomas of Kenya offering wide displays traditional villages belonging to the several Kenyan tribes</li> <li>• Mount Kenya The only snow capped Mountain at close to equator,</li> <li>• Maasai Mara National Reserve for the Wild beast migration one of the natural wonders of the world</li> <li>• Wide variety of game parks and game reserves including Nakuru National park, Amboseli national park, tsavo national park among others</li> <li>• Arboretum forest</li> </ul>
<p><b>12. Attendance</b></p> <p>Expectation of international, regional and local attendance Realistic number of international and national participants</p>	<p>It is expected that Working Week 2019 will attract participants from 70-90 countries. There are close to 5000 professionals in the surveying from the regional who will also be expected to attend.</p>
<p><b>13. Accommodation</b></p> <p>Hotel costs Value for money Variation in hotel offers Closeness to proposed venue Transportation to venue</p>	<p>There are several hotels in the area around the Convention Centre.</p> <p>Price range in USD (approximate)</p> <p>7* 256-530 USD 6* 750-2500 USD 5* 200-350 (18 5* hotels mentioned) 4* 140-220 3* 160-260</p>

<p><b>14. Finances</b></p> <p>Estimate of surplus and financial risks Realistic fees proposed Fees in an acceptable price range Difference between international and national fees Realistic budget Estimated revenue</p>	<p>Expected surplus of 229.310 EUR Budget based on 1500 Participants Proposed fees: Early bird: 680,12 EUR, Normal: 816,14 EUR, Late: 952,17 EUR Proposed dinner costs: gala dinner: 227 EUR, Kenyan evening: 181 EUR</p>
<p><b>15. Sponsorship</b></p> <p>Estimate sponsorship and exhibition income Proposed income How realistic is proposed income Local sponsor offerings Sponsor interest to conference</p>	<p>Governmental support is expected. There is a realistic budget for sponsors and exhibitors.</p>
<p><b>16. Why host</b></p> <p>Reason for hosting</p>	<p>The FIG working week in Kenya will explore the development of a knowledge management concept for the surveying profession which will enhance the status of the surveyors ISK is a local version of FIG in the region with a capacity to host international conferences. The region is yet to host an FIG working week or a congress despite the advancement of the surveying practice in Kenya. Hosting the FIG working week will achieve the following:-</p> <ul style="list-style-type: none"> <li>• Mobilize and spear head the recruitment of more professionals from Africa.</li> <li>• Strengthen the membership of FIG in Africa,</li> <li>• Enhancing the surveying profession in the region</li> <li>• By hosting the working week ISK will enhance the capacity of its members.</li> </ul>
<p><b>17. Objectives and outcomes</b></p> <p>Thought through why conference should be held at destination Difference to other destinations Short term outcome Long term outcome</p>	<p>The contribution of ISK FIG Working week to surveying in Kenya and the region The FIG working week in Kenya will explore the development of a knowledge management concept for the surveying profession which will enhance the status of the surveyors. It will assist countries in the region better integrate surveying in their development agendas such as infrastructure development, mining and agriculture among others. Objectives of the working week: i) Explore the gap existing in the knowledge and practice of surveying profession ii) Establish ways of bridging the gap between the existing knowledge and practice of surveying profession</p>
<p><b>18. Suggested theme</b></p> <p>Thought of possible theme that fits to</p>	<p>Proposal of Working Week theme: Tying knowledge and practice –Mainstreaming knowledge management in the Surveying profession</p>

local/regional situation	
<b>19. Events organized in the past three years</b>  How experienced is the host in organising events	Nothing expressed in the bidding document.
<b>20. Major event planned in the proposed city in 2017</b>  Many events might affect the price level	The are no Major events slated for May - June 2019 in Nairobi
<b>21. Initiatives for sustainable conference environment</b>  Is host city paying attention to environmental issues Is venue paying attention to environmental issues Is host paying attention to environmental issues	Nothing expressed in the bidding document.
<b>22. New initiatives or activities</b>  Originality – but within the overall FIG concept	Nothing expressed in the bidding document.
<b>23. What legacy to leave locally from the Working week</b>  With host Hosting city For the surveying community	Outcome: The working week will identify recommendations of bridging the gap existing in the knowledge and practice of surveying profession
<b>VALUATION</b>	
<b>Issues supporting destination – subjective rating for Council</b>	<ul style="list-style-type: none"> <li>- ISK has a clear idea of theme and outcome incl benefit for the country</li> <li>- ISK is an active association and has held various events</li> <li>- ISK is active within FIG</li> <li>- Large local representation</li> </ul>
<b>Issues against destination - rating</b>	<ul style="list-style-type: none"> <li>- Safety is an issue in Nairobi although precautions are taken.</li> <li>- Hotels are not as cheap as could be expected</li> </ul>

	<ul style="list-style-type: none"><li>- Budget is somewhat insecure because of uncertainty with the numbers of international participants.</li><li>- It might be difficult to find national and regional sponsors and exhibitors</li><li>- Insecure how many internationals will participate</li></ul>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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Kapellenstrasse 14  
Postfach 5236  
CH-3001 Bern

International Federation of Surveyors  
Ms. Louise Friis-Hansen  
FIG Manager  
Kalvebod Brygge 31-33  
DK-1780 Copenhagen

Bern, 29 November 2014

## **Call for Bids to host FIG Working Week 2019 in Switzerland (Geneva or Interlaken)**

Dear FIG President, Dear FIG Office Members

The Swiss member association in FIG, the "Swiss Association for Geomatics and Land Management" (geosuisse) together with the Swiss Federal Office of Topography swisstopo and the Swiss Land Management foundation and a lot of other partners, is proud to express its interest to organize and host the FIG-Working Week 2019. It is our pleasure to submit herewith our bid documents and be candidate for a possible hosting of this prestigious FIG event.

Switzerland has been a founding member of FIG in 1878 and a strong supporter ever since. Switzerland also was host to several congresses in the past, i.e. in 1981, 1961, 1949, 1931, and 1930.

The preparation time for our bid was rather short, and therefore, we have two sites in our focus to hold the event. We submit herewith the documents for both according to the bid manual (see Annexes). The two cities in question are Geneva and Interlaken. We plan to make the final decision for the host city in cooperation with FIG during the evaluation process. Here the basic information in regard to the required dot points in the bid manual. More details are available in the annexes.

### **Geneva**

1. The proposed venue in Geneva is the Congress Centre, which is ideally located in close vicinity of the UN buildings in Geneva. There is a reliable public transport network for connections to the city centre and to the airport. Geneva hosts more than 250 international meetings per year.
2. The possible dates for the working week 2019 in Geneva are: 10 - 14 June.
3. Geneva offers the full scope of accommodation, from 5-star-hotels to backpacker hostels. The majority of hotels is in the 3- to 4-star range. The total of available bed-

rooms is some 3000. Pricing of hotel rooms in the 3- to 4-star hotel range is between EUR 95-200).

4. Geneva directly connected to the international airport Geneva. There are frequent and direct train connections to and from the airport within a time of approx. 10 minutes. All facilities are within walking distance. For individual travelling, there is parking space available at the congress centre.
5. Geneva will be supported by the Geneva Canton und the Cantonal Office of Tourism. Also the President of Geneva Canton expressed his support for the event (Annex 1).
6. The preliminary budget as in Annex 3 foresees expenditures of EUR 1'029'000 and an income of EUR 1'317'000, resulting in a surplus of EUR 287'000. The canton of Geneva/Swiss Confederation is sponsoring the rental costs for the congress centre.
7. Geneva has many restaurants, which cover the full scope of affordability. It also is the hub of a dense public transportation network. Geneva also is a major centre for outdoors activities.
8. Geneva is in itself a major international destination with plenty of possibilities for social activities and technical tours.

### **Interlaken**

1. The proposed venue in Interlaken is the Congress Centre Kursaal, which is ideally located near several hotels and public transport stations. Interlaken is a relatively small city with a big international tourist reputation and with considerable tourist visits. All facilities are within walking distance, which will make the FIG Working Week into a real networking event. Testimonies to that are several similar sized events held in Interlaken every year, among them the Swiss Economic Forum, which is being held annually in Interlaken since 2011.
2. The possible dates for the working week 2019 in Interlaken are: 26 April - 3 May / 3 - 10 May / 31 May - 7 June / 14 - 21 June / 21 - 28 June.
3. Interlaken offers the full scope of accommodation, from 5-star-hotels to backpacker hostels. The majority of hotels is in the 3- to 4-star range. The total of available bedrooms is some 3000. Pricing of hotel rooms in the 3- to 4-star hotel range is between EUR 95-200).
4. Interlaken is ideally connected to the international airports Zurich, Basel and Geneva. There are frequent and direct train connections to and from these airports within a time of approx. 1.5 to 2h. Once the participants are in Interlaken, all facilities are within walking distance. For individual travelling, there is parking space available at the congress centre.
5. Interlaken will be supported by the Bernese Cantonal Office of Tourism and Regional Development, guaranteeing the expenses for the congress centre Kursaal in Interlaken. Also the Mayor of Interlaken expressed his support for the event (Annex 2).
6. The preliminary budget as in Annex 3 foresees expenditures of EUR 1'029'000 and an income of EUR 1'317'000, resulting in a surplus of EUR 287'000. The canton of Bern is sponsoring the rental costs for the congress centre.

7. Interlaken has many restaurants, which cover the full scope of affordability. It also is the hub of a dense public transportation network, which can take the host virtually to the top of mountains. Interlaken also is a major centre for outdoors activities including hiking, thus offering the full scope of affordability.
8. Interlaken is in itself a major tourist destination with plenty of possibilities for social activities and technical tours. With the topographically challenging alpine environment around Interlaken, there were and still are many technical problems to be solved, requiring the expertise of surveyors.

In cooperation with both convention bureaus, we discussed and prepared a brochure for each host city (Annex 1 and 2). The brochures give more detailed information about the cities, venues and further aspects relevant for hosting an FIG Working Week.

Independent from the final decision about the host city, we are sure to offer FIG a well suited venue for its purpose.

The reasons, why we see Switzerland as an ideal host country is that it has been a rather long time since it hosted an FIG event (Montreux, 1981). Switzerland also has been very active within FIG Commission 7 and all other commissions over the last 20 years and contributed a lot to the international community. We see the potential benefit on our part to promote our profession and attract the young generation. FIG will benefit from networking within its Commissions and with the international organizations.

In a first stage, our organizing committee consisted of the following:

- Thomas Glatthard, Vicepresident geosuisse, Editor in chief «Geomatik Schweiz», (President OC)
- Dr. Daniel Steudler, swisstopo, Swiss delegate to FIG Commission 7 (Secretary)
- Peter Dütschler, Geo-Thun, Swiss delegate to FIG Commission 6 (Director Interlaken)
- René Sonney, swisstopo, Swiss delegate to the Fédération des géomètres francophones (FGF), past president geosuisse (Director Geneva)
- Jürg Kaufmann, past president geosuisse, Honory member FIG
- Prof. Bertrand Merminod, EPF Lausanne, ENAC INTER TOPO, Swiss delegate to FIG Commission 2
- Prof. Andreas Wieser ETH Zürich, IGP, Swiss delegate to FIG Commission 5
- Dr. Jürg Lüthy, SWR Geomatik AG, Swiss delegate FIG to FIG Commission 3
- Dr. Alexander Kohli, BSB + Partner, Swiss delegate FIG to FIG Commission 8

We are looking forward to your feedback and are of course at your disposal for any further information, details, or questions. We hope – in cooperation with you – to make the final decision about the host city in due course in order to prepare ourselves for the presentation of our bid at the General Assembly at the FIG Working Week in May 2015 in Sofia, Bulgaria.

With our best regards,

Präsident



Rudolf Küntzel

Vizepräsident



Thomas Glatthard

Kassier



Petra Hellemann

- Annex 1: Bid brochure of Geneva
- Annex 2: Bid brochure of Interlaken
- Annex 3: Overall budget
- Annex 4: Letter of support by Director of swisstopo (National Mapping Agency)



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Defence,  
Civil Protection and Sport DDPS  
armasuisse  
Federal Office of Topography swisstopo

CH-3084 Wabern, swisstopo, wic

International Federation of Surveyors  
Kalvebod Brygge 31-33, DK-1780  
Copenhagen V  
DENMARK

Contact person: wic  
Wabern, 24 November 2014

## FIG Working Week 2019 in Switzerland

Dear Mr. President

For the Federal Office of Topography swisstopo – as the National Mapping Agency of Switzerland and affiliate member of FIG – it is with great pleasure to extend our support for the bid of geosuisse to hold the FIG Working Week 2019 in Switzerland.

Switzerland has been one of the founding members of FIG in 1878 and has been a strong supporter of FIG ever since. As an affiliate member, swisstopo has itself been very active in FIG-Commission 7 over the last 20 years and is proud of the achievements that have been made.

Switzerland has a lot to offer to the FIG community. The interesting topographic features not only offer ideal social tours, but they also are at the base of many professional challenges that surveyors are facing. Switzerland also has close links with international organizations and centrally located within Europe. There are well maintained and efficient infrastructures and an innovative professional community, which offer a suitable basis for any international conference. swisstopo, therefore, would be very happy when Switzerland would be chosen as host for the FIG Working Week in 2019.

With best regards

Federal Office of Topography swisstopo

Dr. Fridolin Wicki  
Director

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# Invitation to hold the Working Week & General Assembly of the International Federation of Surveyors-FIG in Geneva – Switzerland



geosuisse

GENÈVE  
A WORLD OF ITS OWN®

# Invitation

It is with great pleasure that we submit the proposal of Geneva, Switzerland, for the Working Week & General Assembly of the International Federation of Surveyors-FIG in the year 2019, 2020 or 2022.



Welcome to  
Geneva!



*Le Président du Conseil d'Etat  
de la République et Canton de Genève*

Ms Louise Friis-Hansen  
Manager of the  
International Federation of Surveyors  
Kalvebod Brygge 31-33  
DK-1780 Copenhagen V  
Denmark

Geneva, Friday, 14 November 2014

**Geneva's candidature for the Working Week & General Assembly of the International Federation of Surveyors (FIG) - 2019**

Dear Ms Louise Friis-Hansen  
Dear Committee Members,

We have been informed by Mr Thomas Glatthard, Vice-President of Geosuisse - Swiss society of Geomatics and Landmanagement, that our city has the opportunity of hosting the Working Week & General Assembly of the International Federation of Surveyors (FIG) in 2019.

This congress will also be supported by The Federal Office of Topography swisstopo, Engineer surveyor Switzerland IGS, Engineers and Architects SIA Switzerland, Association of Environmental Professionals svu (asep) and the Society of the History of geodesy in Switzerland, GGS.

In my capacity as State Councillor in charge of the Department of Security and Economy, I would like to emphasize that welcoming international meetings are one of Geneva's priorities. In this context, we would be very much honoured if the Working Week & General Assembly of the International Federation of Surveyors (FIG) were to choose our city for this important event.

Geneva hosts more than 250 international meetings in many fields per year, thanks to its large choice of conference centres as well as its excellent hotel infrastructure. In addition, the latter is located in the vicinity of its international airport and the city offers a high quality transportation network. Finally, Geneva ranks amongst the best European destinations for events and professional meetings.

We hope Geneva and Switzerland will have the great pleasure of hosting your congress in 2019. In the meantime, please accept our best and most respectful regards.

  
François Longchamp

Geneva, 29 November, 2014

To the President of the  
International Federation  
of Surveyors - FIG

**Working Week & General Assembly of the International Federation of Surveyors-FIG in Geneva Switzerland in 2019, 2020 or 2022**

Dear Mr President,

On behalf of the Geneva Convention Bureau, we would like to thank you for considering Geneva as a destination for the Working Week & General Assembly of the International Federation of Surveyors-FIG in 2019, 2020 or 2022.

After examining the requirements specific for the congress, we can positively state that Geneva has the capacity to provide all facilities required.

Traditional meeting place for 2000 years, an international metropolis, Geneva offers its visitors different faces from its humanitarian commitment and cultural activities to numerous conferences and renowned gastronomy. Its international airport and its privileged location on the major occidental routes make it one of the leading European centres of business and leisure tourism.

We offer a first-class hotel infrastructure at all levels and an efficient public transportation network, which is free of charge for all guests staying at hotels in Geneva.

We would be very honoured to host your congress and we hope that Geneva will be selected. Should we have this opportunity, we will do our utmost to make your congress an unforgettable event.

Sincerely yours,

Geneva Tourism & Conventions  
Foundation



Anja Loetscher  
Director Convention Bureau

Geneva Tourism & Conventions  
Foundation



Enrico Zuffi  
Association Conferences  
Marketing Manager

# Geneva

## The biggest international village in the world

An international meeting venue ideally situated at the heart of Europe, a financial and technological hub with a global reputation, Geneva is a cosmopolitan city, a unique and particularly privileged setting for business tourism that takes its visitors by surprise.

Proof lies in the fact that the city is home to the European headquarters of the United Nations and its specialized agencies, to over 200 international organizations, and to numerous international corporations. Today, 43 per cent of the city's inhabitants are foreign, enhancing the remarkable cultural diversity expressed in Geneva's exemplary openness to the world.

Meeting facilities with state-of-the-art technology, hotels equipped to the most exacting standards (32 conference hotels 3-5 stars, 2 conference centres for up to 10,000 delegates) and highly skilled personnel are other assets that attract tourism professionals.

Geneva also has a human dimension. It is known for the quality of life its visitors are delighted to discover. The International Airport welcomes flights from more than 130 destinations and it takes only 6 minutes to reach the city centre by train.

Moreover, public transportation is free for visitors staying in hotels: every visitor receives a free "Geneva Transport Card" upon checking-in to their hotel, valid for the duration of their stay.

Thanks to a rich past, a magnificent natural environment and an outstanding range of fine dining opportunities, the smallest of the world's great cities is a first-choice destination for the organization of any event.

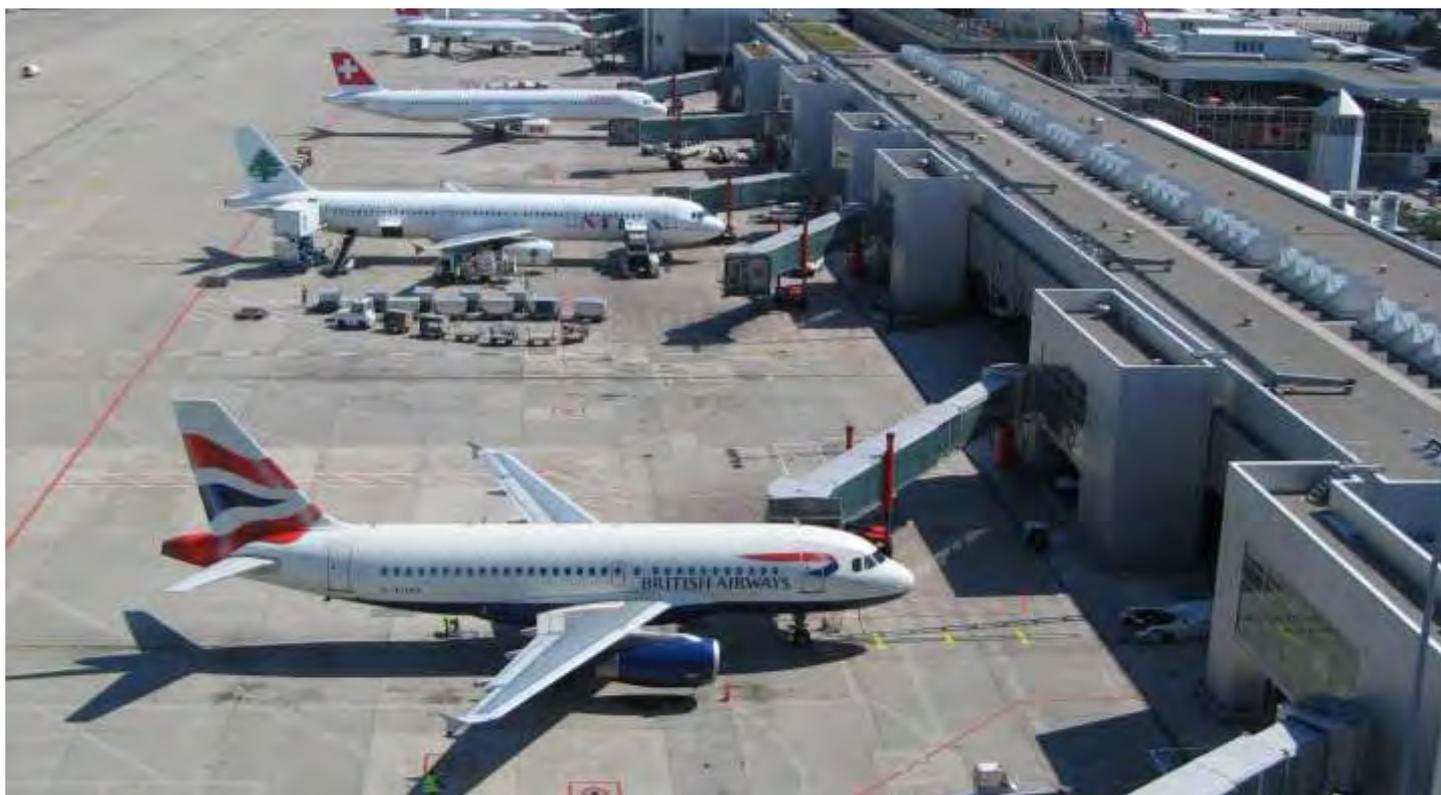


## The top 10 reasons for holding your event in Geneva

- 1) In the heart of Europe: international airport with direct flights to over 132 destinations, low cost carriers & high-speed trains from European cities
- 2) European hub for several low cost carriers with more than 65 destinations
- 3) 6 minutes: shortest journey time in Europe from the airport to the city centre
- 4) Free public transportation for 80 minutes for passengers arriving at the airport & for hotel guests for the duration of their stay
- 5) State of the art congress and exhibition centres
- 6) 8%: the lowest VAT rate in Europe
- 7) Geneva and its vicinity have a capacity of 12,772 hotel rooms in international hotel chains.
- 8) More than 1500 hotel rooms have to be found within walking distance of the Conference Centre CIGG
- 9) The smallest of the big capitals with only 190,000 inhabitants & host to more than 200 international organisations
- 10) Geneva hosted the Geospatial World Forum in May 2014 at CIGG



# Access



## Geneva Airport



Geneva has an international airport offering direct regular flights to more than 132 international destinations.

**Free public transport ticket at arrival. 6 minutes by direct train: shortest journey time in Europe from the airport to the city centre.**

Swiss and its partners would be happy to support this conference as the official carrier. Swiss is also a member of the Star Alliance Group.

**Geneva is one of the main easyJet hub within Europe with more than 65 destinations.**



## Flights to Geneva



### Highest weekly frequencies

- 251x London (LHR, LGW, LCY, LTN)
- 85x Paris (CDG, ORY)
- 62x Zurich
- 61x Brussels
- 59x Amsterdam
- 57x Madrid
- 56x Frankfurt
- 44x Munich
- 37x Rome (FCO)

Scheduled destinations: **132**

Low cost destinations : **+65**

## Crossroads of Europe: by highway or railway

Geneva's favourable geographical location makes it a natural focal point for the international traveller. Road and rail facilities radiate from Geneva to provide rapid access to the rest of Switzerland and Europe.

## Comfort and convenience by rail

The Swiss national railroad system offers hourly links to Lausanne, Bern, Basel, Zurich and the regions of Vaud and Valais. There are also Inter-city trains to France, Spain, Italy and Germany. Geneva is only 3 hours away from the heart of Paris by TGV (high speed Train).

## Highway hub for Central and Western Europe

In recent years, highway construction within Switzerland and in neighbouring countries has turned Geneva into a European highway hub.

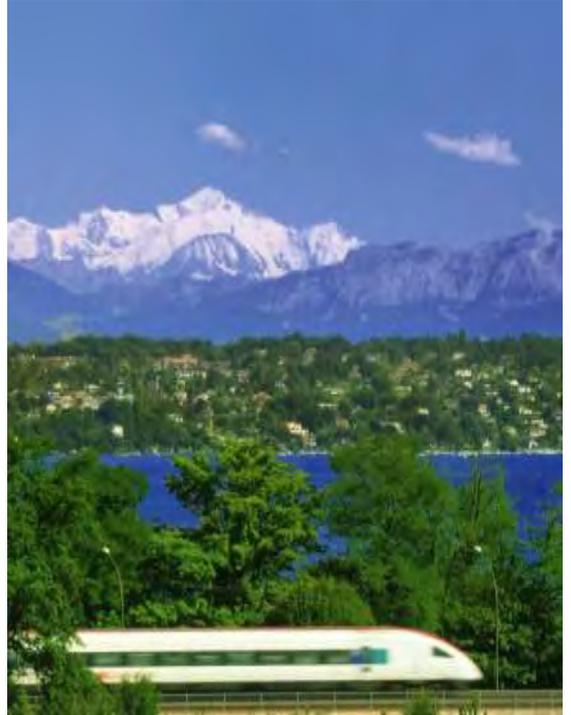
A branch of this same highway offers rapid link from Geneva to the South and to the West of France. To the North and East, the Swiss highway system provides fast direct connections to Germany and Eastern Europe.

## Free public transport in Geneva!

Every visitor receives a **free Geneva Transport Card** valid for the entire duration of their stay on check-in at their hotel.

This card provides unlimited use of the entire public transport network in Geneva, covering trams and buses, CFF (Swiss national railroad) local trains, as well as yellow taxi boats operated by the Société des Mouettes Genevoises.

In addition a 80 minutes **free public transport ticket** for all passengers flying to Geneva can be obtained at the airport.



# Suggested conference site and dates



## The International Conference Center, Geneva



**Date proposal:**

**Congress centre**

**from June 10th to 14th, 2019  
or from June 5th to 11th, 2020  
or from May 27th to June 3rd, 2022**

The building is equipped with the latest technical facilities and its variable geometry provides great organisational flexibility, making it possible to hold either a single large conference, or two or three smaller simultaneous meetings.

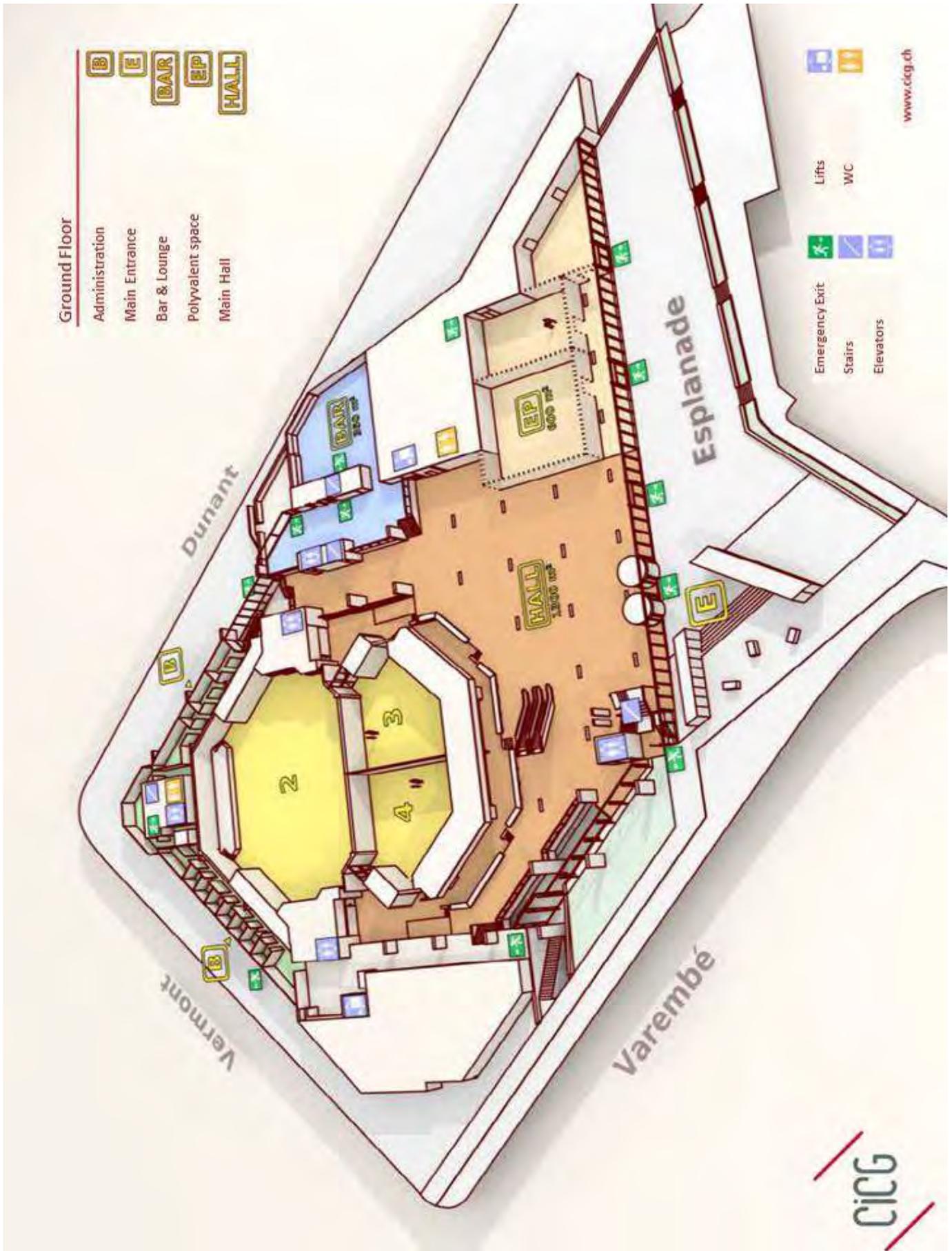
### Conference Rooms

(facilities for simultaneous interpreting are available in all major rooms)

- 22 conference rooms from 20 to 2,200 seats
- 8 rooms fully equipped for interpretation (fixed cabins)
- 45 offices
- 4,000 sqm exhibition space
- 1 restaurant - M!P Restaurants - 400 seats and a nice 800 sqm terrace
- 1 "Espace Voyage" offering various menus from all over the world daily
- 1 bar/kiosk
- 1 security management centre
- 1 public parking lot with 1,200 parking spaces



The International Conference Center, Geneva



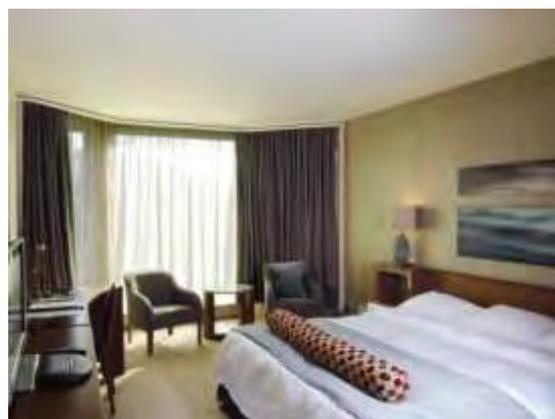
# Accommodation



Geneva and its vicinity have a capacity of 12,772 hotel rooms in international and local hotel chains.

## Hotel rooms

Deluxe hotels	485
International chain hotels	1,746
4-star hotels	3,180
3-star hotels	2,290
1-2-star hotels	1,119
Other categories	552
<b>Total hotel accommodation</b>	<b>9,372</b>
Outside Geneva (within 20 min)	3,400
<b>Total hotel rooms</b>	<b>12,772</b>



500 beds are available in low cost, student accommodation from CHF 40.-

The Geneva Convention Bureau can pre-book the room allotment for your congress free of charge.



# Suggested venues for social events

## Gala evening and reception

Geneva offers a large choice of prestigious venues for gala events:

### Grand Théâtre

The Geneva Opera House, with its imposing 19<sup>th</sup> century façade, faces one of Geneva's main squares and parks. It can host a gala dinner for 270 people and a reception for up to 450 people in its elegant ambience



### Bâtiment des Forces Motrices

This motionless vessel was built in 1886 directly on the river Rhône to supply Geneva's households with drinking water and also to regulate the level of the lake. This beautiful building has been converted into a welcoming prestigious hall and auditorium in the heart of Geneva, which can easily host 1'000 persons.



### Ariana Museum

Completed in 1884, the Ariana Museum, with its palatial Italian architecture, is situated in the very heart of the international institutions district next to the United Nations. The museum was built to present ceramics and glass collections. Surrounded by a park, it is an elegant venue to host either a gala dinner or a cocktail for up to 200 people.



# Support offered by the Geneva Convention Bureau



- **Welcome desk at Geneva International Airport**

As per availability, a welcome desk can be used at Geneva International Airport's arrival hall. Your staff must be present at the desk (available for congresses over 1,000 pax).

- **Welcome message on plasma screen at Geneva International Airport**

As per availability, two plasma screens can welcome your delegates in the baggage reclaim area at the airport; video clip or text to be provided by the organiser.

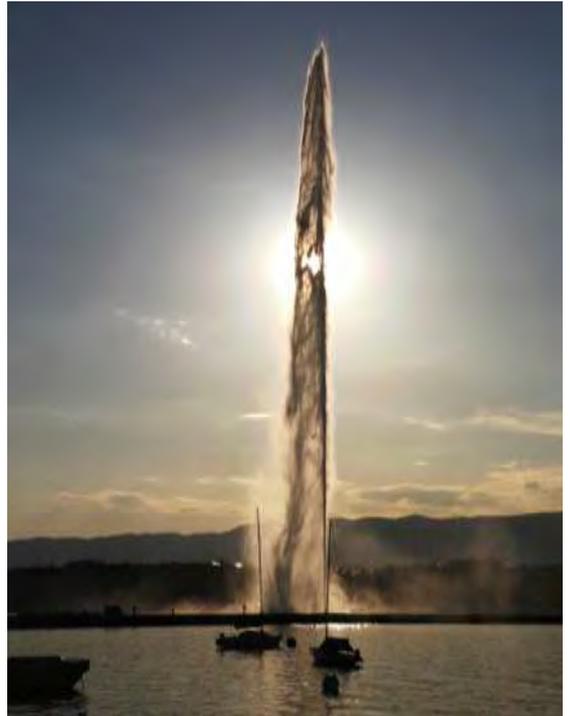
- **Full site inspection hosting for organisers**

- **Sponsoring of opening ceremony or welcome reception**

Participation of the Geneva State in the opening ceremony or in the welcome reception can be requested the year preceding your congress and will be subject to further confirmation.

- **GENEVA PASS**

With the GENEVA PASS, you benefit from Geneva's large tourist offer – more than 50 free offers, preferential rates and gifts! The principle is very simple. The moment you have your GENEVA PASS, valid for 24, 48 or 72 hours, you can set forth to discover Geneva. It is your "open Sesame" to museums, cruises, visits, tours and many other surprises... This is the perfect offer for an accompanying person and participants extending their stay in Geneva. Special rates for groups on request.



# EVENTFUL INTERLAKEN

## FIG Working Week 2019

Invitation to hold the Working Week & General Assembly of the International Federation of Surveyors FIG in Interlaken, Switzerland



Number of participants: approx. 1600 participants

Programme:

Friday  
Council meeting and dinner

Saturday  
ACCO meeting, administrative meetings  
ACCO dinner

Sunday  
General Assembly and welcome reception

Monday to Wednesday  
Opening ceremony/Plenary session  
Exhibition  
Technical programme (5-8 parallel sessions)  
technical/social tours  
Cultural evening/Foundation dinner or Commission dinners/Free evening

Thursday  
President's Meeting  
General Assembly  
Farewell reception

Friday  
Council meeting

## THE ADVANTAGES OF SWITZERLAND AT A GLANCE



- Ease of access
- Good infrastructure (five airports)
- High standards of quality
- Political and economic stability
- Major significance of Switzerland as an important business and research location
- Reliability and punctuality are considered very important
- Respect for the environment and high awareness of ecological issues – Switzerland is committed to sustainability
- Tradition meets modernity: historic Grand Hotels / modern design hotels
- Cosy atmosphere and genuine hospitality
- Good price-performance relationship
- Low VAT rate (8%) and simple, quick reimbursement after the event
- Neutral and international: Switzerland's popularity as headquarters of international organisations
- Rich culture (four national languages)

## COOPERATION WITH SWITZERLAND CONVENTION & INCENTIVE BUREAU (SCIB)



The Switzerland Convention & Incentive Bureau is a national non-profit organisation and is part of Swiss Tourism. Its aim is to position Switzerland as worldwide qualitative leading destination for meetings, incentives, conventions and events (MICE). This can amongst others be done thanks to local professional partners. The Congress Centre Kursaal Interlaken AG is a proud member of the SCIB and maintains a close cooperation. More information can be found in the category „meetings“ on the website: [www.myswitzerland.com](http://www.myswitzerland.com).

## 7 UNBEATABLE REASONS FOR INTERLAKEN AS THE PERFECT CONGRESS DESTINATION:



### 1) IN THE HEART OF EUROPE, IN THE HEART OF SWITZERLAND

Switzerland is one of the most attractive countries to organise a congress. All year long, visitors from all over the world are drawn to Interlaken. This is where tradition meets modernity, this is where nature lovers meet luxury enthusiasts and extreme sports fans. Surrounded by an impressive chain of mountains and two lakes, Interlaken is truly a gem. The ideal place to combine work and pleasure.

### 2) DISCOVER INTERLAKEN CONVENIENTLY ON FOOT

Interlaken has over 1'500 rooms in its three- to five-star hotels. Each hotel is located in close proximity of the Congress Centre and can conveniently be reached on foot. Consequently, your guests do not need to arrange additional transport in the city. They save time and money and have the opportunity to do some healthy exercise.

### 3) IDEAL NETWORKING POSSIBILITIES

Since Interlaken is a small town and everything is within walking distance, there are great networking possibilities, since people are not lost in a big city but are all within a few kilometres. This facilitates the exchange between congress participants and leads to a more productive congress.

### 4) ADEQUATE ACCOMMODATION FOR EACH TASTE AND EACH BUDGET

We will find the appropriate accommodation for you within your budget – be it a good value hostel, a nice middle class hotel or luxurious five-star lodging.

### 5) CONGRESS – UND SEMINARROOMS FOR OVER 1'500 DELEGATES

The Auditorium with its innovative architecture and the stylish, historic ambiance in the halls of the Kursaal in harmonious union – these are the striking features of the Congress Centre Kursaal Interlaken. A total event area of 5'000 m<sup>2</sup> (54'000 sq ft) and a capacity for over 1'500 people make it suitable for almost any occasion.

### 6) FROM CATERING TO ACCOMMODATION: WE ORGANISE EVERYTHING FOR YOU

Successful events are based on exact planning, many years of experience, good contacts and most particularly attention to detail. This is our core competence. We excel because we offer you an all-in-one organisation

### 7) EXCITING EXCURSIONS IN FRONT OF SOME OF THE MOST FAMOUS MOUNTAINS

Interlaken is situated between two lakes, surrounded by a beautiful chain of mountains, amongst others the world-famous trio Eiger, Mönch and Jungfrau. The city is predestined for amazing excursions in the nature. You can climb onto breathtaking heights, just like secret agent James Bond once did and enjoy the view. Be it nature, culture or action, we offer the perfect excursion for every taste.

## ARRIVAL TO INTERLAKEN



Interlaken is centrally located in the heart of Switzerland and can easily be accessed by train, coach or private car thanks to its excellent international road and train connections.

## TRAIN CONNECTIONS

The train connections are ideal:

**Basel 175 km direct**  
**Berlin 980 km direct**  
**Bern 60 km direct**  
 Brussels 715 km  
**Frankfurt 465 km direct**  
**Geneva 225 km**  
 Hamburg 1'000 km  
 Milano 300 km  
 Munich 440 km  
 Paris 650 km **direct**  
**Zurich 195 km**



## DIRECT FLIGHT CONNECTIONS

Switzerland has five airports. The most convenient way to reach Interlaken by air is through Bern-Belp. The airport offers direct flights from Berlin, Hamburg, Munich, London, Cologne, Erfurt, Vienna, Barcelona, Madrid, Nice, Paris and Rome. In Bern-Belp, you can benefit from short waiting times at check-in. Additionally, the baggage claim is very fast. The transfer time to Interlaken is 30 minutes.

## TRANSFER AND WELCOME AT THE AIRPORT OR TRAIN STATION

The first impression counts: we would be glad to organise a welcome desk at the airport or train station for you, should you wish to warmly greet your guests upon their arrival. Additionally, we can assist you with the purchase of train tickets as well as with the organisation of airport transfers by shuttlebus, taxi or in fancy limousines.

## TRANSPORT IN INTERLAKEN

Most of the hotels in Interlaken are in walking distance to the congress venue. Therefore, you need no transport in Interlaken. The only transport you will have is from the airport to Interlaken. This train ride will show you the different sides of Switzerland and will bring you to the wonderful Bernese Oberland.

## CONGRESS CENTRE KURSAAL INTERLAKEN – QUALITY TO CONVINCING YOU!



The Congress Centre has 19 different rooms altogether, of which three are halls of over 900 m<sup>2</sup> (9'700 sq ft). All the halls are flooded with daylight and can be accessed directly. Other than these, there are stylish halls of more than 300 m<sup>2</sup> (3'200 sq ft) at your disposal. This makes Interlaken one of the most attractive congress destinations available in the Alps.

Rooms	Foyer Auditorium	Auditorium	Concert Hall	Congress Hall	Theatre Room	Ball Room	Club Casino	Grimsel 1 + 2	Harder 1 + 2	Brünig 1 - 3
Concert	-	1'200	1'262	960	735	320	100	110	80	130
Seminar	-	543	735	648	396	270	57	60	42	60
Banquet	-	-	1'156	1'000	416	320	112	-	-	-
Reception	750	-	1'500	824	500	300	100	-	-	-
Surface in m <sup>2</sup>	900	1'000	1'200	920	435	312	140	115	80	183
Length in m	-	-	-	39	29	24	10.8	21.5	15	25
Width in m	-	-	-	23.6	15	13	13	5.3	5.5	-



Please find an overview of the historic building and the Auditorium below. Please notice that the workshop rooms are not included in this map. For your purpose, we would recommend to use the rooms as followed:

**Auditorium:**

Plenary session

**Auditorium ground floor:**

Registration

**Auditorium first floor:**

Poster exhibition

**Ball Room, Club Casino, Concert Hall:**

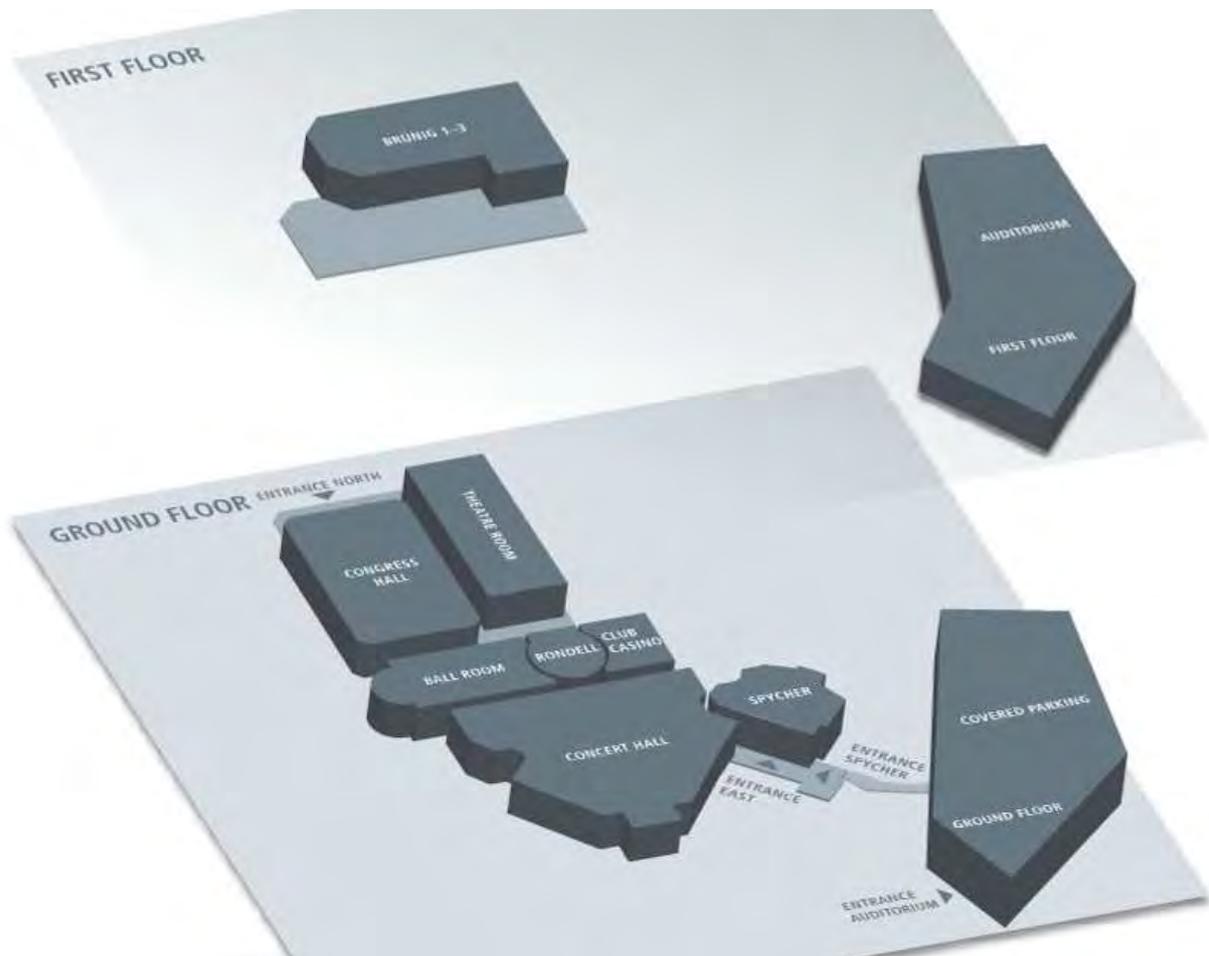
Exhibition, catering, posters

**Rondell:**

Passageway

**Theatre Room, Congress Hall and Workshop rooms:**

Parallel sessions



## Catering - excellence



5% of the turnover for in house catering will be deducted from the room rates.

Do you feel the challenge to offer your guests something really special? Our competent and motivated team knows how to realise your wishes to your full satisfaction. Let us introduce you to our fascinating world. Each and every organiser will find what they need here with us to ensure an unforgettable event.

Ranging from a creative stand-up buffet, a classic five-course gala dinner, a theme evening, tasty finger food, innovative bar concepts up to show cooking - our imaginativeness knows no bounds.

## Technical facilities



10 % of the turnover for in-house technical equipment will be deducted on the room rates.

The congress-technology is an important element for a successful event. Our technicians will advise you and offer you the best solution for your event.

On request we are very happy to calculate the catering and the technique possibilities for your event.

## EXHIBITION



We charge CHF 7.00 per day and m<sup>2</sup> for exhibition space in the Congress Hall, Foyer North and in the Foyer of the Auditorium. For exhibition space in the historical halls we charge CHF 9.00 per day and m<sup>2</sup>. Please note that we have not calculated anything for your congress but are very happy to do so on request.

### The following services are included:

- Waste (one 800-l skip on the day of set-up and take-down) - Additional waste will be charged to the event organiser.
- 1 janitor for set-up/take-down and exhibition support (8:00 am - 12:00 pm and 1:30 pm - 6:00 pm)
- One electrical connection per booth (230V, 16A)
- One basic cleaning of aisle/corridor per day
- Marking out the booth spaces
- Putting material into storage four days before and two days after the occasion

### Miscellaneous:

- Parking service for the delivery platform during the setup and tear down **is obligatory**. It will be charged extra, if the organisation is done by Congress Centre Kursaal Interlaken.
- Plans/ drawings on request.

## MISCELLANEOUS



### Decoration

5% of the turnover for in-house decoration materials, flowers and plants will be deducted on the room rates.

Price on request.

### Parking

Parking spaces per day and space CHF 6.00  
(own parking space Congress Centre Kursaal Interlaken)

## ACCOMMODATION



Interlaken, Thun and the region of Lake of Thun has around 3'000 rooms for every taste and budget – from the simple backpacker accommodation or the cosy middle- class hotel to the luxurious 5- star establishment.

In Interlaken all rooms are close to the Congress Centre and can easily be reached on foot. Visitors can take a stroll through the calm Kursaalpark near the famous Höhematte or along the bank of the Aare. This is for the participants the perfect way to relax after a busy congress day.

## HOTEL CAPACITIES

Category	Hotels	Bedrooms
★★★★★	3	388
★★★★	18	932
★★★	28	1'185
★★	11	493
Additional	8	
<b>Total</b>	<b>68</b>	<b>2'998</b>

### Online booking system

For your conference we can create a free-of-charge web-based booking platform with which the participants can directly book their accommodation.

## Price indication

### Hotels in Interlaken

#### Price List 2014 - Subject to alteration

Category	Price SGL	Price DBLS	Price DBL
★★★★★	EUR 248.00 – 304.00	EUR 248.00 – 304.00	EUR 304.00 – 384.00
★★★★★	EUR 183.20 – 263.20	EUR 231.20 – 311.20	EUR 263.20 – 343.20
★★★★	EUR 124.80 – 170.40	EUR 150.40 – 216.00	EUR 182.40 – 266.40
★★★	EUR 95.20 – 136.80	EUR 116.80 – 174.40	EUR 140.80 – 216.00
★★	EUR 75.20 – 108.80	EUR 83.20 – 124.80	EUR 104.80 – 166.40

There are accommodation opportunities for students from CHF 31.00.

Prices are per room and per night and include breakfast and VAT. The city tax per person and night is excluding.

SGL = Single room  
DBLS = Double room for single use  
DBL = Double room

City tax summer 01st April to 31st October = EUR 2.90  
City tax winter 01st November to 31st March = EUR 2.65

An Exchange rate of EUR 1 = CHF 1.20 has been used. The daily exchange rate applies. Please note that the invoice will be in CHF.

## SERVICES FROM INTERLAKEN CONGRESS & EVENTS



Interlaken Congress & Events offers you a full palette of services ranging from reservation of hotel rooms technique for your congress and catering. Our motivated and experienced team can assist and support you from planning the event through to its successful completion with first class advice and flexible solutions.

With our services, we will facilitate the organisation of your events for you:

- Reservation of hotel rooms
- Reservation of congress rooms
- Consultation and support in the organisation of congresses
- Catering-excellence at the Congress Centre Kursaal Interlaken or in the region
- Organisation of event decoration
- Organisation of congress equipment
- Reservation of seminar rooms
- Organisation of social programmes and excursions
- Welcome at the airport or train station and transfer
- Organisation of your congress secretariat
- Organisation of give-aways
- Organisation of event staff
- On-site visits (free of charge)

Successful events are based on exact planning, many years of experience, good contacts and most particularly attention to detail. This is our core competence.

### SPECIAL SUPPORTS FOR ASSOCIATIONS:

- Assistance in the bidding procedure for an international congress
- Assistance in the breakdown, planning and organisation of events
- Assistance in the acquisition from local sponsoring
- Handling of the congress secretariat for your congress
- With SCIB as our partner, we can offer you the ideal transfer with Swiss International Airlines, Europcar and the Swiss travel system

## OUR CONGRESS SECRETARIAT IS COMMITTED TO YOU



We are happy to offer you the organisation of an administrative secretariat. Our reservation system has been developed specifically for the needs of conferences and major events, saving you time and effort in organisation and handling.

### Services of the Congress Secretariat

- Creating one or more booking platforms for your congress registration in German, English or French
- Sending of the booking confirmation after the congress registration
- Handling of adaptations regarding the congress registration incl. partial annulations (total annulations are excluded)
- Controlling the payment transactions
- Creating and distributing of name badges (exkl. Lanyards) and vouchers for social programme, banquets etc.
- Monthly reporting
- Managing of the secretariat during the time of the online-registration by an employee of Interlaken Congress & events
- Managing the registration desk on site by an employee of Interlaken Congress & Events during defined time periods
- Postage, telephone and fax charges, costs of administrative materials for normal confirmation procedures

Prices on request

## SOCIAL PROGRAMMES/EXCURSIONS



Enhance your congress with a memorable excursion in the Jungfrau Region. The congress and event destination in the heart of Switzerland is surrounded by mountains and two lakes plus other unique locations (Jungfrauojoch – Top of Europe, Schilthorn – Piz Gloria etc.). This opens new perspectives for attractive social programmes – 365 days a year.

Ideas for social tours:

- Excursion to the Schilthorn – James Bond World
- Excursion to the Niesen
- Excursion to the Stockhorn
- Shipping on the lake of Brienz or on the lake of Thun
- City walk with a chocolate show in Interlaken
- Excursion to the open-air museum Ballenberg with a Ballenberg olympiade
- Excursion to the Tropenhaus Frutigen
- Excursion to Männlichen

The above mentioned social tours are only an idea what is possible in our destination. There are a lot of more possibilities for every taste. The prices of the activities depend on the length and on the number of participants.

## EVENTLOCATIONS



For the Commission Meeting diners there are in Interlaken a lot of opportunities. No matter what the theme of your event is going to be, we can thrill you with our locations. From the most magnificent halls with historic grandeur to converted cowsheds. Let us know what you would like and we will make suggestions for suitable locations. Whether it is a glamorous gala, an event in our historic premises in Interlaken, a stylish lounge evening at the lake, real mountain cabin magic on a lonely alpine pasture or a party on a boat, we can help you make it happen.

A 3-Course Dinner is possible as from EUR 50.00.

## REFERENCES



In the past, the congress- and event destination Interlaken has hosted several important congresses and events:

It was repeatedly mentioned that the Congress Centre Kursaal Interlaken has done an excellent job and the local organization of the congress this year is hard to beat.

Dr. Th. Weiser, President of EUROTOX 2013 Local Organizing Committee (1'400 participants)

- SAMM Congress (annual) (900 participants)
- Swiss Dentist Society 2009, 2012 (1'000 participants)
- European Regions Airline Association 2009 (300 participants)
- Swiss Economic Forum 2011, 2012, 2013 and 2014 (1'200 participants)
- X.Days 2011, 2012, 2013 and 2014 (1'200 participants)
- ICAC 2012 (900 participants)

Your success with satisfied participants is our aim: from the first contact to the reunion. With our services, we can facilitate the organisation of your congress for you. You can save time and money thanks to our know-how and local contacts.

Visit us and convince yourself! You are welcome to a site inspection and we are looking forward to welcome you in Interlaken.

Best regards from **EVENTFUL INTERLAKEN** 

### Interlaken Congress & Events AG



Ole Hartjen  
President of the Board



Martina Bühler  
Sales Manager International

# Einwohnergemeinde Interlaken



## Gemeindepräsidium – Mayor of Interlaken

General-Guisan-Strasse 43  
Postfach 97  
3800 Interlaken  
Tel. 033 826 51 41  
gemeindeschreiberei@interlaken.ch  
www.interlaken-gemeinde.ch

Attention of:  
Mr. CheeHai Teo  
President of the International Federation of  
Surveyors FIG

3800 Interlaken, in October 2014

## Working Week of the International Federation of Surveyors-FIG 2019/2020

Dear Mr. Teo

I refer to the above-mentioned event, for which Interlaken is being considered as a potential location. As Mayor of Interlaken I would like to express my support for this important international event and assure you that we would be delighted if you were to hold it here in Interlaken.

Our town is a very unique and special place to hold a conference and has a great deal to offer both conference organisers and delegates alike. The town has been internationally renowned for many years as a tourist and business travel destination and it is easy to see why.

Firstly, the astounding natural beauty of the area is second to none. The town of Interlaken is situated between two picturesque lakes and at the foot of some of the most stunning mountain scenery in the Alps. The idyllic location makes it an inspiring place for both holidays and business.

Interlaken is situated in the centre of Switzerland and is easily reached from all major European cities as well as the international airports of Zurich and Geneva. Both highways and an extremely efficient Intercity rail network link Interlaken to major arrival ports and cities.

Interlaken is a compact town, which does not require motorised transport to negotiate it. All the major hotels are within 5 to 10 minutes' walk of the Congress Centre Kursaal Interlaken as well as shops, banks and other amenities. Over 1800 hotel rooms in the 2–5 star segment as well as many hostels are at your disposition here. As an outdoor-paradise, Interlaken also attracts a lot of young guests, therefore, it also offers, apart from prestigious hotels, many affordable accommodations. The hotels are of a high standard and welcome a great many international visitors annually, following a tourist tradition with a history of over 100 years.

As you can see, Interlaken really does have a great deal to offer visitors. It would be our pleasure to host the 2019 or 2020 FIG Working Week and to welcome both its organisers and its delegates from around the world.

Yours sincerely,

Urs Graf  
Mayor of Interlaken

# BUDGET FOR FIG WORKING WEEK 2019

## Switzerland (Geneva/Interlaken)

### Presumptions

Time:	April/May/June 2019		
Conference days:	.....		
Venue:	Interlaken Congress Centre Kursaal		
Currency:	EURO (€)		
GA:	no. of participants:	500	
Conference:	paying participants - international:	1 200	
	paying participants - national:	200	
	students:	100	
	accompanying persons:	140	

### EXPENDITURE

1. Printed Matters		30 100
2. Marketing		40 500
3. Site Visits		10 000
4. Conference Venue		200 000
- rental incl. fee services	150 000	
- rent of fair booths	30 000	
- additional costs	20 000	
5. Opening and Hosted Welcome Reception		114 000
6. Participant's Kit		15 000
7. Participant's cost (lunch & coffee)		259 900
8. Social events		129 000
- gala dinner	85 000	
- foundation dinner	44 000	
9. Tours		36 500
- technical tours	13 000	
- social tours	23 500	
10. Invited Guests		60 000
11. Conference Management		60 000
12. Secretariat; Communication		5 000
13. FIG Foundation Fee		19 500
14. Various		50 000

**TOTAL EXPENDITURE** **1 029 500**

# BUDGET FOR FIG WORKING WEEK 2019

## Switzerland (Geneva/Interlaken)

### INCOME

10 € is included in the fees as FIG Foundation Royalties

		<u>no. of</u>		
Paying participants				1 015 500
- Delegates: Early	600	700	420 000	
- Delegates: Normal	700	350	245 000	
- Delegates: Late	800	350	280 000	
Delegates: Daily	250	150	37 500	
Students	50	100	5 000	
Accompanying persons	200	140	28 000	
Sponsor/exhibition income				136 000
Social events				165 500
- Conference Dinner/Gala Dinner	100,00	800	85 000	
- Cultural Evening	80,00	500	44 000	
- Technical tours			13 000	
- Social tours			23 500	

**TOTAL INCOME** **1 317 000**

### SUMMARY

<b>Total income</b>	<b>1 317 000</b>
<b>Total expenditure</b>	<b>1 029 500</b>
<b>RESULT</b>	<b>287 500</b>

## Summary of the bids for 2019 - Switzerland, Geneva or Interlaken, geosuisse

The following clarification is based on information given in the bid documents. Below is a summarized comparison from given bids. All variables were submitted in the original bid for proposals. This document is a summary of each country's bid and is meant to be a fact based document.

ITEM and criteria	Switzerland, Geneva or Interlaken, geosuisse
<p><b>1. Rotation of the conference:</b> Previous and planned conferences:</p>	<p>Europe (2017, 2015, 2012, 2008)</p> <p><b>Congresses:</b> 2014: Asia and the Pacific (Malaysia); 2010: Asia and the Pacific (Australia); 2006: Europe (Germany), 2002: North America (USA); 1998: Europe (United Kingdom); 1994: Asia and the Pacific (Australia)</p> <p><b>Working Weeks:</b> 2017: Europe (Finland) 2016: Asia and the Pacific (New Zealand); 2015: Europe (Bulgaria); 2013: Africa (Nigeria); 2012: Europe (Italy); 2011: Africa/Arab countries (Morocco); 2009: Asia/Middle East (Israel); 2008: Europe (Sweden); 2007: Asia (Hong Kong SAR, China); 2005 Africa/Arab countries (Egypt); 2004: Europe (Greece); 2003: Europe (France); 2001: Asia (Republic of Korea); 2000. Europe: Czech Republic.</p>
<p><b>2. Country</b> hosting of earlier FIG events and general experience</p>	<p>Switzerland is placed "in the heart of Europe" and is a stable country. Switzerland is not member of EU, but is place right in the middle of Europe and is know for its financial stability. The country has a long history of armed neutrality. There is in general a good infrastructure, high standards of quality, political and economic stability</p> <p>The last time a FIG conference was held in Switzerland was XVI International FIG Congress 1981, 9 - 18 August 1981, Montreaux, Switzerland. Priory it has been in Bern 1961, Lausanne 1949, Geneve 1931, Zurich 1930 and Zurich 1929.</p>
<p><b>3. Member association</b> Its activeness, Commitment to FIG and to FIG 2019 Execution ability for local association</p>	<p>Geosuisse is one of the founding members of FIG in 1878. Geosuisse has been a very active member of FIG through all the years and has hosted the FIG Bureau several times. Geosuisse has been very active at earlier conferences and hots more honorary members of FIG</p> <p>The Working Week will be organized in close cooperation the Swiss Federal Office of Topography swisstopo and the Swiss Land Management foundation</p>
<p><b>4. Supporting organisations</b> Local support to the Working Week Governmental support Financial support General support</p>	<p>Swiss Federal Office of Topography swisstopo Swiss Land Management foundation</p> <p>For Geneva: The Working week will be supported by the Geneva Canton and the Cantonal Office of Tourism. Also the President of Geneva Canton expressed his support for the event. The canton of Geneva/Swiss Confederation is sponsoring the rental costs for the congress centre in Geneve, and every visitor receives a free "Geneva Transport Card" for the public transportation. Geneva Convention bureau offers welcome desk at Geneva International Airport, sponsoring of opening ceremony or welcome reception.</p> <p>For Interlaken: The Working Week will be supported by the Bernese Cantonal Office of Tourism and Regional Development. The canton of Bern is sponsoring the rental costs for the congress centre in Interlaken.</p> <p>The Mayor of Interlaken expresses his support for the event</p>
<p><b>5. Host city</b> Characteristics and interest</p>	<p>Two possibilities:</p> <p>1. Geneva Geneva is a cosmopolitan city. the city is home to the European headquarters of</p>

<p>from congress programme point of view Host city attractiveness Host city offerings</p>	<p>the United Nations and its specialized agencies, to over 200 international organizations, and to numerous international corporations. Today, 43 per cent of the city's inhabitants are foreign, enhancing the cultural diversity. The proposed venue in Geneva is the Congress Centre, which is ideally located in close vicinity of the UN buildings in Geneva. There is a reliable public transport network for connections to the city centre and to the airport. Geneva hosts more than 250 international meetings per year. Geneva has many restaurants, which cover the full scope of affordability. It also is the hub of a dense public transportation network. Geneva also is a major centre for outdoors activities. Public transportation is free for visitors staying in hotels: every visitor receives a free "Geneva Transport Card" upon checking-in to their hotel, valid for the duration of their stay.</p> <p>2. Interlaken Interlaken is a relatively small city with a big international tourist reputation and with considerable tourist visits. All facilities are within walking distance, which will make the FIG Working Week into a real networking event. Testimonies to that are several similar sized events held in Interlaken every year, among them the Swiss Economic Forum, which has been held annually in Interlaken since 2011. Interlaken offers a different setting than FIG conferences are used to in large cities. Interlaken has many restaurants, which cover the full scope of affordability. It is the hub of a dense public transportation network, which can take the host virtually to the top of mountains. Interlaken also is a major centre for outdoors activities including hiking, thus offering the full scope of affordability.</p>
<p><b>6. Venue</b> Price/affordability Location of venue Internet availability Suitability of rooms, size of venue, structure and layout of the venue Catering Value for money Hotels nearby Facilities for exhibition</p>	<p><b>Congress Centre Geneva</b>, connected to the UN buildings in Geneva. The canton of Geneva/Swiss Confederation is sponsoring the rental costs for the congress centre. Meeting facilities with state-of-the-art technology. 22 conference rooms from 20 to 2,200 seats, 4,000 sqm exhibition space</p> <p>The proposed venue in <b>Interlaken is the Congress Centre Kursaal</b>, which is ideally located near several hotels and public transport stations. All is in walking distance. The congress centre is suitable for 1500-2000 delegates and has 19 different rooms. Exhibition space is 5'000 m<sup>2</sup></p>
<p><b>7. Accessibility</b> Flight connections Several access possibilities Security Visa issues Air fare to destination</p>	<p>Geneva is directly connected to the international airport Geneva. There are frequent and direct train connections to and from the airport within a time of approx. 10 minutes. All facilities are within walking distance. For individual travelling, there is parking space available at the congress centre. Interlaken is ideally connected to the international airports Zurich, Basel and Geneva. There are frequent and direct train connections to and from these airports within a time of approx. 1.5 to 2h. Once the participants are in Interlaken, all facilities are within walking distance. There are direct train connections from e.g. Berlin, Frankfurt, Hamburg, Munich, Paris. For individual travelling, there is parking space available at the congress centre. Swiss and its partners would be happy to support this conference as the official carrier. Swiss is also a member of the Star Alliance Group.</p>
<p><b>8. Safety and security</b> Political stability Airport safety City safety – is it safe to</p>	<p>Switzerland is a very safe and politically stable country.</p>

<p>move around? Political stability in country (rating must be 3 or higher)</p>	
<p><b>Proposed dates</b> Must meet FIG requirements Following FIG statutes Practical dates Availability of venue Other conferences at same time</p>	<p>Geneva: 10 - 14 June Interlaken: 26 April - 3 May, 3 - 10 May, 31 May - 7 June, 14 - 21 June, 21 - 28 June.</p>
<p><b>9. Technical programme</b> Coverage of all FIG Commissions, Potential partners Originality Special ideas</p>	<p>LOC will organize the technical programme in cooperation with FIG and with the 10 commissions. Geosuisse has active representatives in all FIG commissions.</p>
<p><b>10. Technical tours</b>  Coverage of all FIG Commissions Originality Ideas proposed</p>	<p>Geneva is in itself a major international destination with plenty of possibilities for social activities and technical tours.</p> <p>Interlaken is in itself a major tourist destination with plenty of possibilities for social activities and technical tours. With the topographically challenging alpine environment around Interlaken, there were and still are many technical problems to be solved, requiring the expertise of surveyors.</p>
<p><b>11. Social programme</b>  Attractiveness and variety Proposals for dinners Attractiveness of offered dinners Proposals for tours Is the program following the overall FIG concept</p>	<p>Geneve: several places are suitable for FIG social programme hereunder: the Grand Theatre (The Geneva Opera House), Bâtiment des Forces Motrices ( A motionless vessel that was built in 1886 directly on the river Rhône), Ariana Museum Interlaken: various tours available e.g. excursion to the mountains around, to the lake, city walk with a chocolate show, open air museum. Also various venues for social dinners.</p>
<p><b>12. Attendance</b>  Expectation of international, regional and local attendance Realistic number of international and national participants</p>	<p>Expected approximately 1200 International and 200 national paying participants</p>
<p><b>13. Accommodation</b>  Hotel costs Value for money Variation in hotel offers Closeness to proposed venue Transportation to venue</p>	<p>Geneva: Geneva offers the full scope of accommodation, from 5-star-hotels to backpacker hostels. The majority of hotels is in the 3- to 4-star range. The total of available bed rooms is some 3000. Pricing of hotel rooms in the 3- to 4-star hotel range is between EUR 95-200). More than 1500 hotel rooms are within walking distance of the Conference Centre CICG. 500 beds are available in low cost, student accommodation from CHF 40.- Interlaken: Interlaken offers the full scope of accommodation, from 5-star-hotels to backpacker hostels. The majority of hotels is in the 3- to 4-star range. The total</p>

	of available bedrooms is some 3000. Pricing of hotel rooms in the 3- to 4-star hotel range is between EUR 95-200).
<b>14. Finances</b> Estimate of surplus and financial risks Realistic fees proposed Fees in an acceptable price range Difference between international and national fees Realistic budget Estimated revenue	The budgets seem very realistic. The preliminary budget whether in Geneva or Interlaken foresees a surplus of EUR 287'000. VAT is 8%: the lowest VAT rate in Europe Suggested fees: Early bird: 600, Normal: 700, Late: 800 Suggested dinner fees: Gala Dinner: 100 EUR, Swiss evening: 80 EUR
<b>15. Sponsorship</b> Estimate sponsorship and exhibition income Proposed income How realistic is proposed income Local sponsor offerings Sponsor interest to conference	The canton of Geneva/Swiss Confederation is sponsoring the rental costs for the congress centre in Geneva. The canton of Bern is sponsoring the rental costs for the congress centre in Interlaken. Sponsorship/exhibition income seems realistic and there is a large local and regional potential.
<b>16. Why host</b> Reason for hosting	It has been a rather long time since Geosuisse and Switzerland has hosted an FIG event (Montreux, 1981). Switzerland also has been very active within FIG Commission 7 and all other commissions over the last 20 years and contributed a lot to the international community.
<b>17. Objectives and outcomes</b> Thought through why conference should be held at destination Difference to other destinations Short term outcome Long term outcome	The Working Week gives a potential benefit to promote the profession and attract the young generation in Switzerland. FIG will benefit from networking within its Commissions and with the international organizations that are represented in and close around Switzerland.
<b>18. Suggested theme</b> Thought of possible theme that fits to local/regional situation	Organising committee has been formed.
<b>19. Events organized in the past three years</b> How experienced is the host in organising events	Geosuisse has both organized several national events and has also hosted and organized FIG events earlier.
<b>20. Major event planned in the proposed city in 2019</b> Many events might affect the price level	Nothing expressed in the bidding document.
<b>21. Initiatives for sustainable conference environment</b> Is host city paying attention to environmental issues	Both hotels and venues are in general observant of sustainability and environmental friendly activities

Is venue paying attention to environmental issues Is host paying attention to environmental issues	
<b>22. New initiatives or activities</b> Originality – but within the overall FIG concept	Nothing expressed in the bidding document.
<b>23. What legacy to leave locally from the Working week</b> With host Hosting city For the surveying community	The topographic features in Switzerland are at the base of many professional challenges that surveyors are facing, and the presence of the conference and FIG might highlight some future focus areas that the Swiss society might focus on.
<b>VALUATION</b>	
<b>Issues supporting destination – subjective rating for Council</b>	<ul style="list-style-type: none"> <li>- Both proposed venues are suitable for a FIG conference. Geneva has the advantage of a large city and the closeness to UN. A FIG Conference in Interlaken will be different because it is a cozy and small city which will give another flavor to the conference and good networking facilities.</li> <li>- Budget is realistic and healthy</li> <li>- Large support from the Kantons to cover the costs of the proposed venues</li> <li>- Local outcome on surveying matters and an increase of awareness</li> <li>- Good accessibility</li> </ul>
<b>Issues against destination - rating</b>	<ul style="list-style-type: none"> <li>- There is a risk in the fluctuation of the Swiss franc</li> </ul>



# HANOI

Working Week  
2019



THE VIETNAM ASSOCIATION  
OF GEODESY, CARTOGRAPHY  
AND REMOTE SENSING (VGCR)



# BIDDING PROPOSAL

## FIG WORKING WEEK 2019

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**Submit By:**

**Vietnam Association of Geodesy,  
Cartography and Remote Sensing (VGCR)**



*Hanoi - Vietnam, 29 November 2014*

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## **PART 1 – LETTER OF INTEREST**

*by the Vice President of Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)*

**Dear FIG Council,**

Firstly, I would like to thank the FIG's Leaders for your kind invitation to the bidding to host the FIG Working Week 2019.

Secondly, please allow me to introduce briefly - the Vietnam Association of Geodesy, Cartography and Remote Sensing as a member association of FIG. We used to organize successfully 02 FIG events, which witnessed huge success, especially the second event was "The 7<sup>th</sup> FIG regional Conference 19-22 October 2009". Moreover, VGCR has collaborated with Asian Remote Sensing Association to organize two conferences on "Asian Remote Sensing". In addition, as a member of FIG, we attended many FIG conferences, especially the Working Week and Congress and has learned from them many experiences for FIG's event organization.

It would be our utmost honor & prestige if we are to be selected to host the FIG Working Week 2019 in Hanoi, on the special occasion of **the 60th anniversary of Surveying and Mapping Day of Vietnam (1959 - 2019)** and **the 30<sup>th</sup> anniversary of VGCR (1989 - 2019)**.

More than important, becoming the host country for FIG Working Week is a great chance for Vietnam to promote our achievements and progress in the field of surveying & data management. Particularly, it would be considered an important opportunity for greater development and connection for the community of Vietnamese professionals, experts, and surveyors to approach to the world's scholars as well as the occasion for the world experts to help Vietnam to address all our concerns and issues as the fact that Vietnam is one of the most five countries in the world being suffering consequences from climate changes, especially the threat of sea level rise. Besides that, Vietnam still faces many challenges of industrialization, urbanization, and poverty reduction.

Last but not least, Hanoi - Vietnam is well-known for being a city of peace, recognized by UNESCO since 1999, and it is also regarded as an elegant city of safety, beautiful landscapes, delicious cuisines, and charming people. Not only attracted by natural richness, your journey to Hanoi will also be thrilling with high quality services at reasonable prices, embedded in the intimate homely atmosphere. With our competitive registration fees, we will surely do our best to ensure all participants to have great time enjoying their stay packed with unforgettable moments in Vietnam.

Sincerely Yours,

**Trinh Anh Co**

**Vice President**

*The Vietnam Association of Geodesy, Cartography and Remote Sensing*

## PART 2 – HANOI – THE DESTINATION FOR FIG WORKING WEEK 2019

### *1. Destination – Hanoi*

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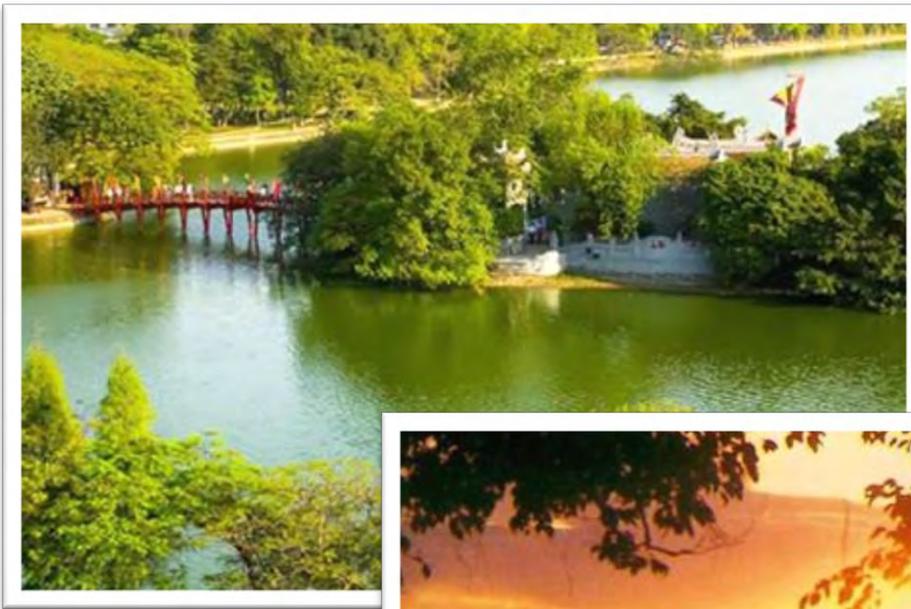
Located on the gateway to Indochina peninsula of the South East Asia, Vietnam is a country of rich culture, traditions by the history of more than four thousand years. Today, Vietnam is known as one of the most dynamic countries in ASEAN with the rapid economic growth rate over many decades. Its population is approx. 90 million people from 54 ethnics group (more than 80% of people are Viet People), which made Vietnam become most crowded country in the region.

Moreover, the natural beauty of soaring mountains, fertile deltas, primeval forests inhabited by exotic fauna, sinuous rivers, mysterious caves, other worldly rock formations, heavenly waterfalls and beaches will surprise every visitors.

Among many attractions of Vietnam, Hanoi - the capital of Vietnam is the most elegant city that offers the great introduction of Vietnam with the richness of history, culture, great cuisine and particularly many tourist destinations to visit: The tranquil “Hoan Kiem” Lake in the heart of City, surrounding by the bustling streets of the Old Quarter, each street named after the trade used to take place there; Co Loa Citadel (built in 257 BCE), One Pillar Pagoda (built in 1049), the Temple of Literature (built in 1070), Hanoi Citadel, Hanoi Opera House (built in 1911), President Ho Chi Minh's Mausoleum, the peaceful West Lake is considered the lung of city with fresh air and beautiful place for

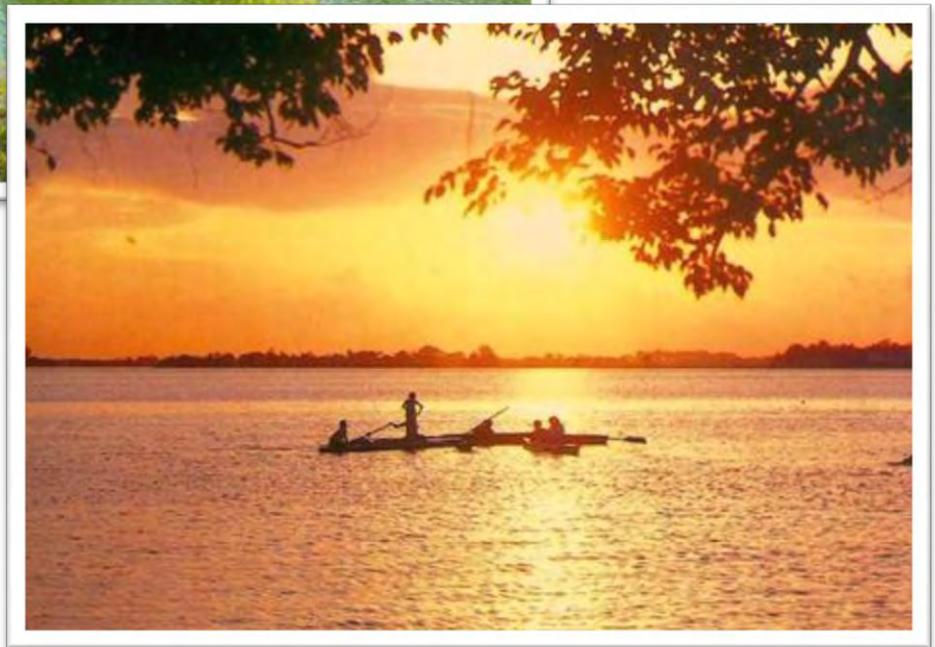
sightseeing, and enjoying the city view; and many traditional villages to visit as Van Phuc Silk Village, Bat Trang Ceramic Village, Ngu Xa Bronze villages, and more.

According to TripIndex by TripAdvisor in 2012, Hanoi will be the cheapest city in the world for two of a one-night stay in a four-star accommodation, food & beverages, and taxi transport.



*Hoan Kiem Lake*

*Sunset at the West Lake*



Hanoi also has many advantages and competitiveness to host FIG Working Week 2019:

- Peaceful, Safe Environment with Friendly People.
- Opened Foreign Policy by Vietnamese Government.
- Nice weather & Beautiful landscape

- Well-equipped National Convention Center, 4-5 Hotels, International Airport, Transportation Infrastructure.
- Great culture & Delicious cuisine.
- Very reasonable prices with high standards.

Hanoi is a peaceful and convenient place for many international events such as: 22nd SEA Games (South East Asian Games 2003), 18th APEC Summit (Asia Pacific Economic Cooperation Summit 2006), 78th ICOLD (International Commission on Large Dams 2010), UN Day of Vesak (2014)

In 2019, Hanoi - Vietnam will host the 25th APEC Summit.

## LANGUAGES

Although 54 ethnic groups in Viet Nam have different languages, the national language in Vietnam is Vietnamese. Besides that, other common foreign languages in Vietnam are English, French, Chinese and Russian.

## INTERNATIONAL RELATIONS

At present, Viet Nam has established diplomatic relations with 178 countries and economic, trade and investment ties with 224 countries and territories.

Viet Nam is a member of the UN, ASEAN, ASEM, APEC, WTO, the Francophone, the Non-Allied Movement and other regional and international organizations.

## WEATHER

Max Daytime Temperature (°C)  27°C (81°F) in April

Min Night-time Temperature (°C)  21°C (70°F) in April

Hours of Sunshine (Daily)  4 Hours per day in April

Hours of Daylight (Daily)  13 Hours per day in April

Heat and Humidity Discomfort  Moderate in April

Days with some Rainfall  14 Days in April

Monthly Rainfall (mm)

97 mm (3.8 inches) in April

UV Index (Maximum)

11+ (Extreme) in April

In April Hanoi still has warm climate and strong wind sometimes. The weather is the best when one still enjoys most beautiful days of spring. Festival season hasn't ended yet that you may find some of interest in the suburbs of Hanoi. Minor increase in Hanoi's average temperature to 22-27 C degree only makes the weather become more favourable.

## 2. Congress Venue – THE NATIONAL CONVENTION CENTER



Vietnam National Convention Center is currently one of the three biggest Convention Centers in Southeast Asia. Being the first and only one in Vietnam was built basing on the most advanced and modern technologies, Vietnam National Convention Center is the national priority construction with wonderful and harmonious architectures, synchronous and modern infrastructures; which carry Vietnamese nationalism and is the symbol of Vietnamese architectures in the new century.

It was the main venue of FIG Regional Conference in Hanoi 2009. Today, there are many 5 star hotels surrounding NCC, including: JW Marriott Hanoi, Crowne Plaza, Grand Plaza, Intercontinental Landmark 72.

### **Services**

With advantage of having system of rooms and large halls with the total area over 60.000m<sup>2</sup>, modern and highly automatically equipments; VNCC is the only address in Vietnam that could meet the demand of holding internal as well as external high-grade services including many types of conferences, seminars, exhibitions,

performances, parties...with over 15.000 attendants and with highest requirements.

### Conference – Seminar



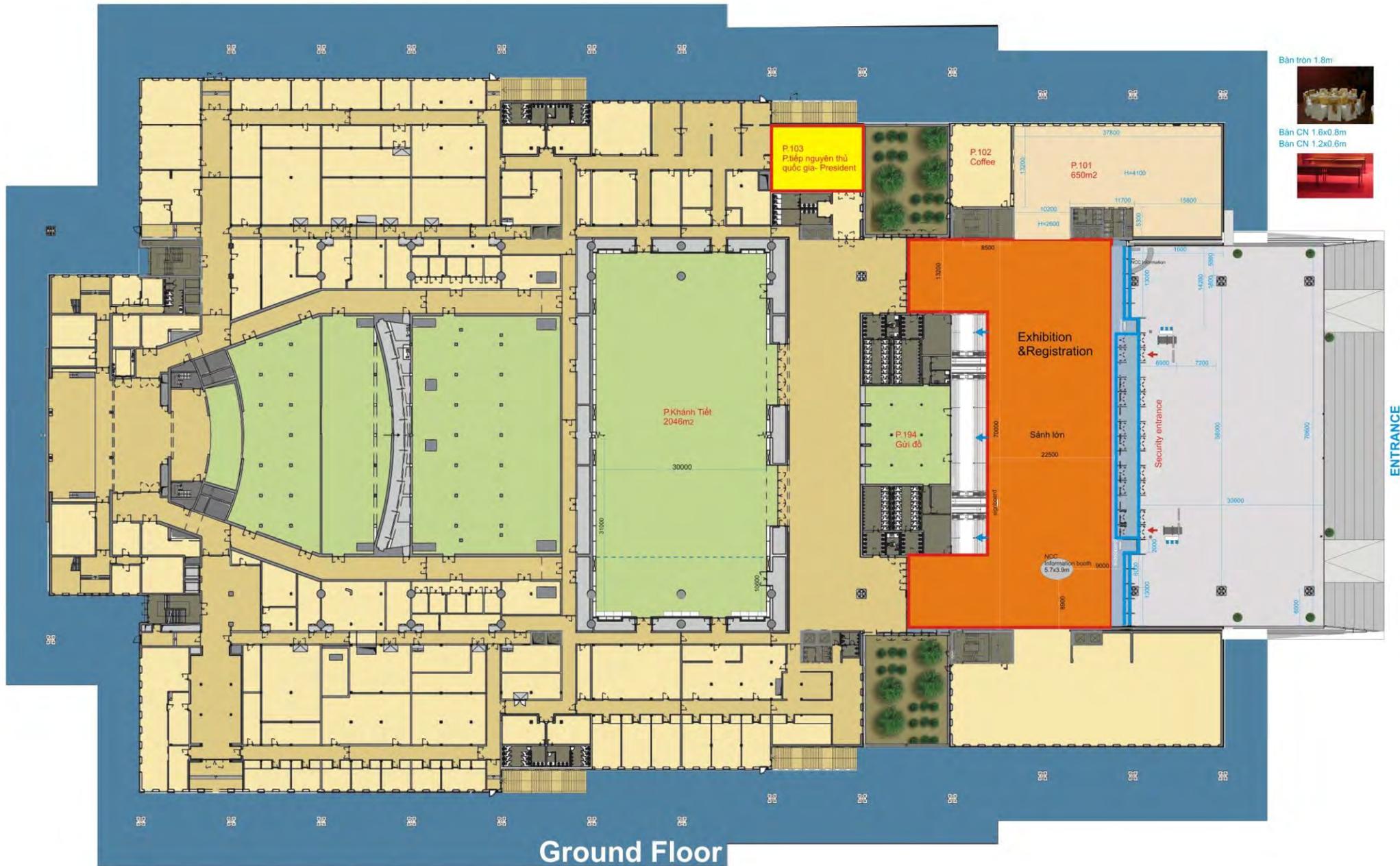
VNCC has a large hall (MMH), nearly 30 other halls and meeting rooms with area from 40m<sup>2</sup> to over 4.000m<sup>2</sup>, which can hold from 120 to more than 3.500 people. Meeting rooms can be separated from others by soundproof walls, forming 73 smaller ones. With the large number of rooms, modern equipments, VNCC can satisfy the requirement of holding different types of conferences and seminars at the same time.



VNCC used to organize many large scale international-level events as 5th Asia – Europe Meeting 2004, 9<sup>th</sup> ASEM’s Foreign Minister Meeting 2009, APEC 2006, ICOLD Hanoi 78<sup>th</sup>, Asian Pacific Congress of Cardiovascular Intervention Radiology.



# NCC - Ground Floor



Bàn tròn 1.8m

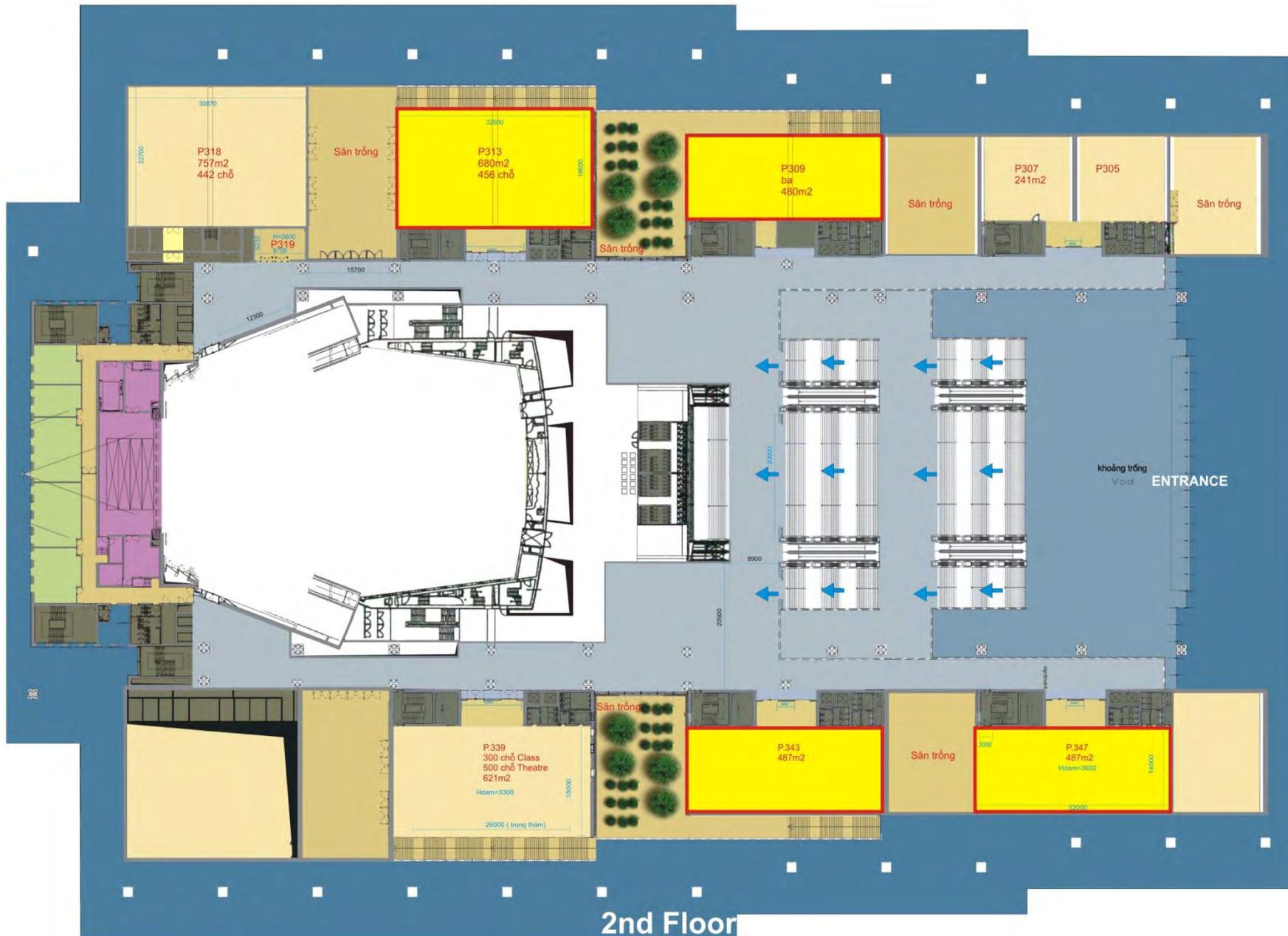


Bàn CN 1.6x0.8m  
Bàn CN 1.2x0.6m





# NCC - 2nd Floor

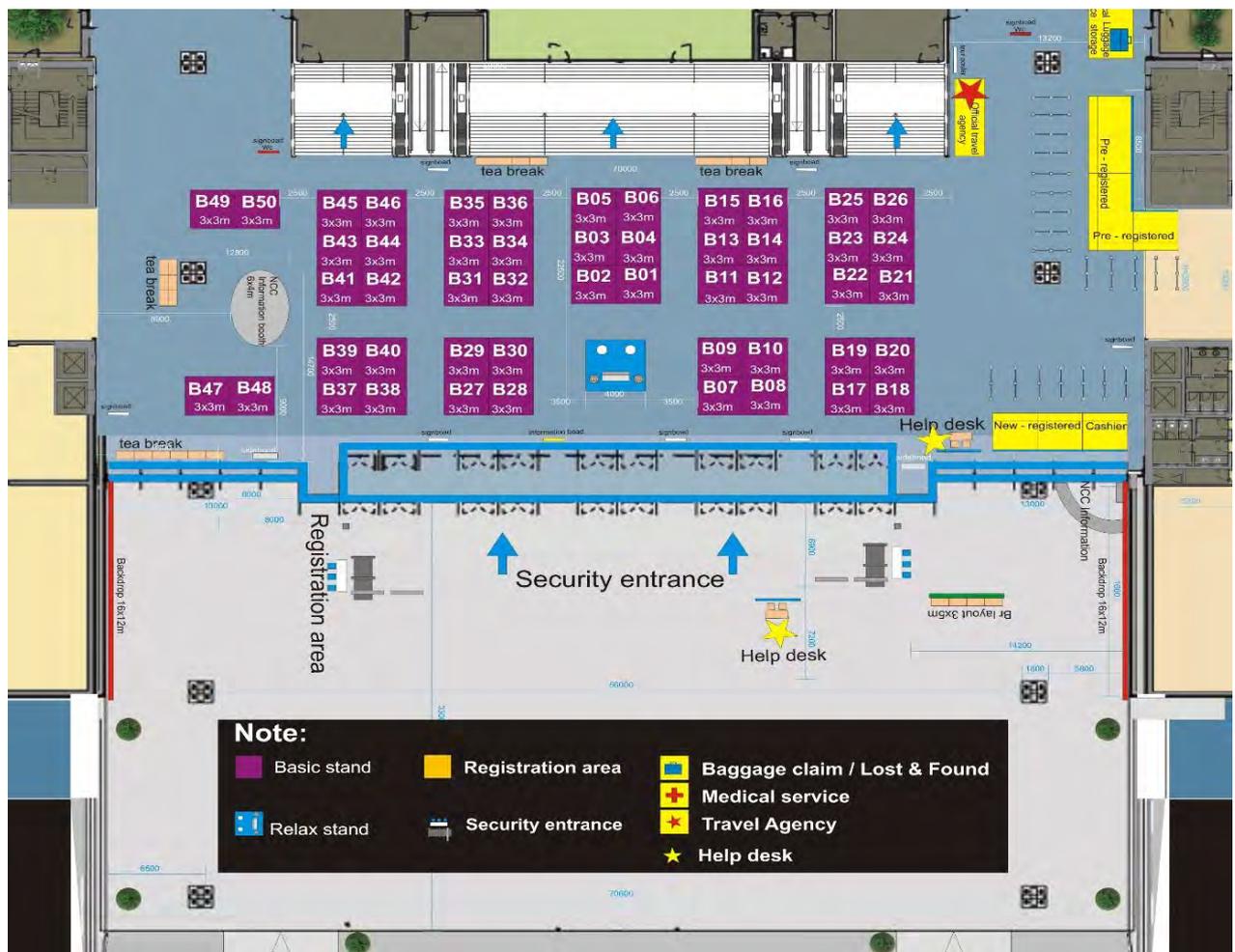


## Exhibition, products presentation

Having multiple room systems; especially, the lobby systems inside and outside the building with area over 12.000m<sup>2</sup>, VNCC can also meet the demand of holding big exhibition and products displaying with additional services:

- Designing, staging.
- Leasing site-land and equipments, additional services.
- Advertising and communication.

## Venue Floor Plan: Conference & Exhibition (Tentatively)





*Exhibition area*

## **Art performance**

VNCC has a large hall (MMH) designed with multi-functional stage system using Canadian lifting technology, modern and multiple system of lighting and sound equipments using digital technology with highly safety technical feature suit to all art types performing. Besides, VNCC also has an outdoor stage system which is suitable for the night music concert to be taken place; this system can satisfy high demand and ensure about the security in the VNCC campus.

## **Party - Reception**

With multiple and luxurious banquet hall system, modern system of kitchen, professional and whole-hearted staff; VNCC can not only provide the party with rich and various menu but also ensure the most stringent requirements on safety with many types of Asia-Europe party :

- Buffet dinners
- Sit-down banquets
- Outdoor activities
- Cocktail parties
- Theme-based parties

## ***Shuttle Buses to and from VNCC***

Shuttle Buses & Taxis of the Official Transporters will be the key mean of transportation to transfer the delegates from Hotel Partners to the venue of



Working Week.

There are a unique team of coordinators to arrange the buses or taxis to pick up delegate to/ from the venue of event

We also have a program support officer and interpreters available to support a national team of minimum 10 persons.

### ***3. Proposed Dates***

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- Option 1: **05 – 12 April 2019**
- Option 2: **12 – 19 April 2019**
- Option 3: **19 – 26 April 2019**

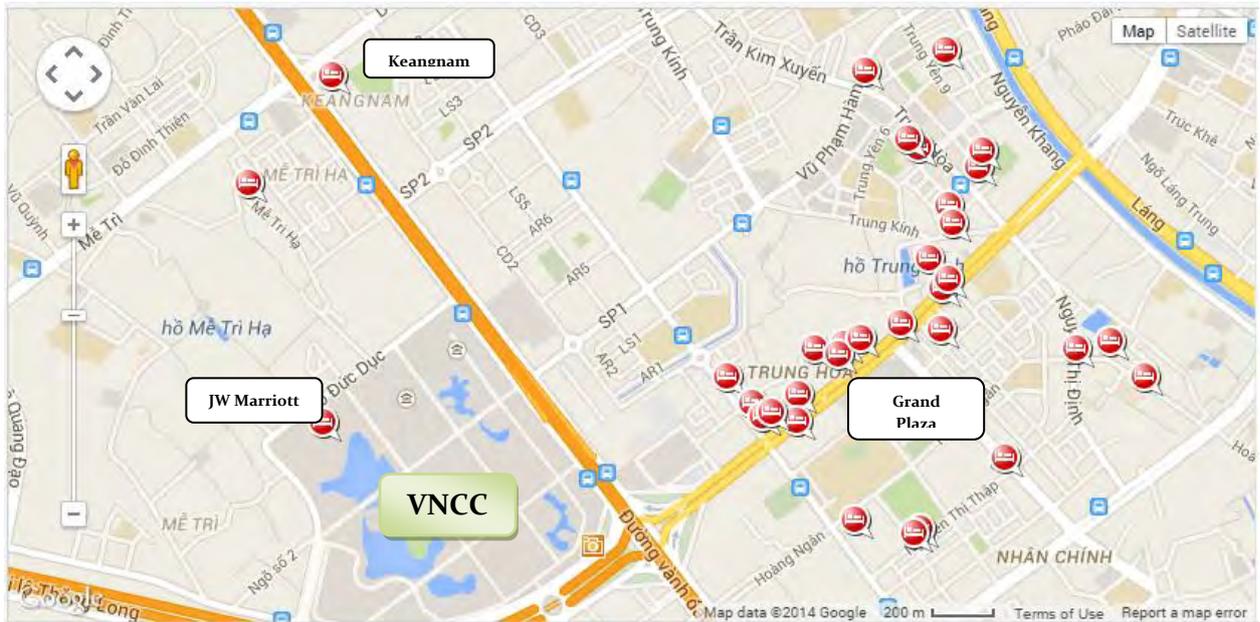
**Option 1** is the best one, highly recommended, especially because of beautiful, mild spring weather and also very convenient for attending Hung King Festival – one of the most meaningful festivals in Vietnam right after the event. For the Option 2, it can be a good choice if Option 1 is not available. The disadvantage of Option 3 is the time before the independent day & labor day, Vietnamese people usually plan for holiday on these days, thus increasing the demand of accommodation.

### ***4. Hotels and Accommodation***

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There are a large number of accommodation around the Vietnam National Conventional Center (VNCC) with capacity of more than 3000 rooms within 2km, ranging from top-quality 5 and 4-star hotels to more moderate and modest of 3 and 2-star options as well as very reasonable hostels, which means there are great choices for any budget.

Rooms start from as little as 20 USD. Spending from 40 to 70 USD will boost the comforts quickly, and rooms will generally include air-con, satellite TV, fridge and hot water. Make the step up to 80 USD and three-star frills are available. At 350 USD and above, it's five-star territory.



Hotel

### The Official Hotel Partners:

Hotels Partners of FIG Working Week Hanoi 2019 will include 5-star and 4-star hotels.

### Eligibility:

- Special Discount Rate for conference's participants
- Reserve fixed number of Room for our conference's participants
- Meet the standards: from 4 star ranking , and being convenient for transportation to the National Convention Center
- Complimentary Room for Organizers

### Tentative Hotel Partners:

- Grand Plaza – 5 star
- Crowne Plaza – 5 star
- JW Marriott Hanoi – 5 star
- Bao Son Hotel – 4 star
- Riverside Hanoi Hotel – 4 star

### 5\* HOTELS NEARBY THE NATIONAL CONVENTION CENTER

*(5 - 10 minutes to travel to the National Convention Center on foot or by Taxis)*

**1405 rooms in total** ★

## *JW Marriott Hanoi*



JW Marriott Hanoi locates nearby The National Convention Center is less than a quick 10-minute drive away. Guests have an array of unique dining, shopping and entertainment

options at their fingertips.

JW Marriott Hanoi affords 394 graciously appointed, 48-square-meter guest rooms and 56 suites, including a Presidential and Chairman's Suite. The luxury hotel's six savory food and beverage outlets offer a contemporary, international dining experience; the meeting areas include 2,400 square meters of sophisticated space including two elegant ballrooms.

## *Grand Plaza*



Towering over Millennium City, 5-star Grand Plaza Hanoi is a 5-minute walk from the National Convention Centre. Elegant rooms at Grand Plaza Hanoi Hotel feature classic wood furnishings and views from floor-to-ceiling windows. Leisure options at Hanoi Grand Plaza include an indoor golf course and sauna facilities. Guests can get a good work out at the gym or relax with a soothing massage at the spa. Number of hotel rooms: 618



## *Crowne Plaza Hotels & Resorts*

Crowne Plaza is a dynamic hotel brand currently located in nearly 60 countries around the world. Vietnam's first Crowne Plaza is situated in Hanoi's newest business district. Crowne Plaza West Hanoi is the lynchpin of a commercial and residential complex, only minutes away from the National Convention Centre and National

Stadium and is only 30 minutes drive to Noi Bai International Airport.

The Hotel has 393 guestrooms including 40 luxurious suites offering modern tailored business solutions for the discerning traveler with a selection of accommodation.

### 5. Connection and Access to other domestic destinations and the World



Vietnam Airlines international flight routes map



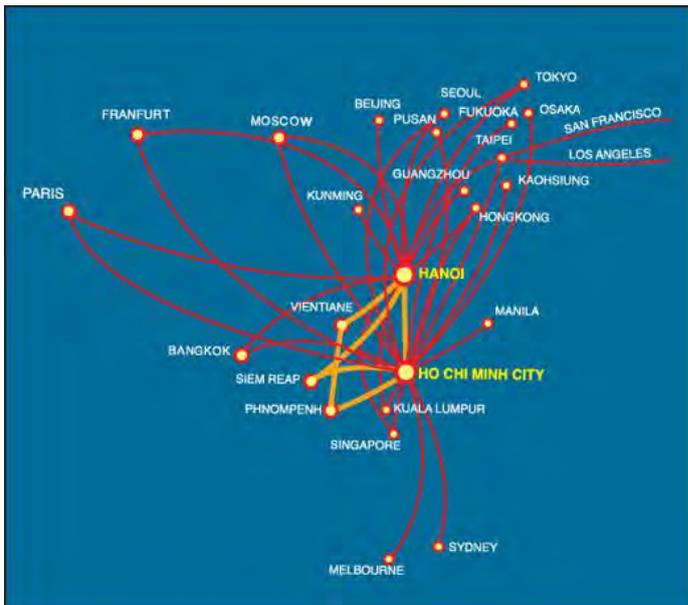
Vietnam Airlines domestic routes map

## Noi Bai International Airport



Noi Bai International Airport is the largest airport in the north of Vietnam. It is 28 miles (45 km) from the city centre. The travel time from the city centre is 30–45 minutes.

At 650 ha, Noi Bai is the second-largest airport in Vietnam with a total serving capacity of 19 million passengers per year.



Every day, more than 30 Vietnamese and international airlines, both conventional and budget, operate from Hanoi Noi Bai Airport including Vietnam Airlines, Air France, Pacific Airlines, Cathay Pacific, Aeroflot, Korean Air, American Airlines, Finnair, Air Canada, Qatar Airways, Turkish Air, China Airlines, Hong Kong Airlines, Thai Airways, Lufthansa, Lao Airlines, Air Asia, Tiger Airways, etc. to connect the city with numerous major cities and territories all round the world.

The airport terminal provides various services, shopping, currency exchange, ATMs and transportation options.

Various transportation services, including public taxis, minibus and public buses, are

available to Hanoi from Noi Bai Airport's Arrival Level.

### **Bac Thang Long Highway**

The road connecting Noi Bai Airport and Nhat Tan Bridge via Dong Anh and Soc Son districts of Hanoi is 12.1km long and 80-100m wide with six lanes allowing vehicular speed of 80km per hour.



The country longest & most modern highway, which the National Convention Center is located on, is running from the Pham Hung-Khuat Duy Tien- Tran Duy Hung roundabout through the Tu Liem, Hoai Duc, Quoc Oai and Thach That districts to National Highway 21A (km 31+ 64, the starting point of the Ho Chi Minh road).

Road users can enjoy the green trees planted in the reserved area along the middle of the highway as well as the comprehensive, modern lighting system.

Thang Long highway is 28km long, 140m wide with 3 lanes in one way.

### **Visa Information**

Only citizens of certain countries can visit Vietnam without Vietnam entry visa. Those countries include:

- **No Vietnam entry visa required for travel less than 30 days:** Citizens of Thailand, Philippines, Malaysia, Singapore, Indonesia, Myanmar, Cambodia, Brunei and Laos.
- **No Vietnam entry visa required for travel less than 15 days:** Citizens of Japan, South Korea, Sweden, Norway, Denmark and Finland.
- **No visa required for travel less than 90 days or several visits within 6**

**months:** Citizens of France holding valid diplomatic or official passports.

- **No Vietnam entry visa required for travel less than 60 days:** Citizens of Chile holding valid diplomatic or official passports.
- **No Vietnam entry visa required for travel less than 60 days:** APEC Business Travel Card (ABTC) Holders from Asia-Pacific Economic Cooperation (APEC) member economies
- **No Vietnam entry visa for traveling to Phu Quoc Island (Vietnam):**

Foreigners and Vietnamese bearing foreign passports who enter Vietnam through an international border gate and then travel to Phu Quoc Island and stay in Phu Quoc less than 15 days will also be exempt from Vietnam visa application. Passports must be valid for at least 45 days. After arriving in Phu Quoc Island, if visitors want to travel other localities or stay in the island for more than 15 days, the immigration department will be responsible for issuing visas right on the spot.

- **No visa required for overseas Vietnamese less than 90 days** staying if holding Vietnam visa exemption certificate.

All other citizens are required to get Vietnam entry visa before departure (Vietnam visa issued prior to departure by Vietnamese consulates or embassies) or a pre-approved Vietnam entry visa (visa is issued on arrival at Vietnam's International Airports) supplied before arrival in Vietnam.

VGCR will provide a letter of invitation to support the visa procedures for all participants.

## 6. Support and Funding

- **Government Funding:**

Vietnamese Government will not provide funding directly to FIG Working Week; however, they provide funding through assistances to use the most beautiful public venues with great discount cost for rent:

- The Vietnam National Convention Center (main venue is proposed for FIG Working Week Hanoi 2019)
- Hanoi Opera House (to organize social programs)

- **Government Support:**

Vietnamese Government support to organize FIG Working Week Hanoi 2019 as

following:

- Transportation Clearance for Conference VIP, Delegates by Police Motorbikes (if necessary).
- Visa Procedure: support quickly for Conference Delegates & Accompanying Persons.
- Security check & Public Orders during the FIG Working Week Hanoi 2019.
- Besides, the Ministry of Natural Resources & Environment will consider to support to The Working Week 2019 if the event will be awarded to organize in Hanoi.

## 7. Budget Outline

### EXPECTED PARTICIPATION

- 1000 - 1100 Delegates including 800 International Delegates + 200 - 300 Local Delegates
- 150 Students & 100 Accompanying Person

### Registration:

International Delegates	Number	Registration fee
<i>Package – Early</i>	500	€500
<i>Package – Normal</i>	250	€600
<i>Package – Onsite</i>	250	€700
<i>Daily Entry</i>	100	(tbc)

### SPONSORSHIP & EXHIBITION PLAN

- Plantium Sponsors: (€20,000)
- Gold Sponsors (€15,000)
- Silver Sponsors (€10,000)
- Co-sponsors (€5,000)
- Exhibitors: expected 50

## 8. Meals, Transportation and Recreation

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*A fascinating mix of old and new Vietnam with Chinese and French influences, Hanoi is changing quickly but maintains a strong sense of identity. Full of things to see, from the architecture of the Old Quarter and the French Quarter to Ho Chi Minh's Mausoleum and the Temple of Literature, the Vietnamese capital lends itself to exploration. The city is also home to one of Asia's stronger indigenous culinary traditions and features a growing number of international dining options. Hanoi is very affordable by urban Asian standards, with the majority of hotels and restaurants offering plenty of value.*

### **Hanoi Living Cost**

The official currency is Vietnam Dong (VND), but the US dollar is pretty widely accepted. In tourist centers, most hotels will accept either, while other businesses may prefer VND.

The living and other personal expenses of travelers to in Hanoi varies from pocket change to the platinum card, depending on taste and comfort. Ascetics could just about get by on 30 USD a day, while a conventional budget traveler can live it up from 70 to 100 USD. Mid-range travelers can have a ball from 100 to 200 USD a day, staying comfortably, eating well and traveling comfortably. At the top end, spending 350 USD or more a day, anything is possible.

Dining out is where Hanoi comes into its own. Surfing the street stalls and markets, meals can be found for between 3 and 5 USD. Local restaurants are more comfortable and you can eat well for between 10 and 50 USD. Then there are the Vietnamese gourmet restaurants, where you can still only spend around 20 USD with drinks; with the right wines you could easily spend 50 USD.

Bus travel is a bargain by Western standards. Public buses between major destinations have fixed fares, but when traveling by bus in remote areas, overcharging is the rule. For maximum flexibility, many travelers prefer to rent a car or 4WD and go exploring provinces with a guide. Costs run from about 50 USD around town to as much as 150 USD a day upcountry (including the driver's food and lodging). A guide costs from 30 to 50 USD, depending on the destination in the city or mountainous areas.

Domestic flights are relatively expensive compared with some countries in the region. A one-way ticket from Hanoi to Ho Chi Minh City (Saigon) is around 150 USD. Trains are great value and overnight sleepers are a good way to cover long distances like Hanoi to Hue or Ho Chi Minh City to Nha Trang.

### **Meals**

The city is a wonderland of cheap eats and drinks, offering an endless variety of soups, noodles, buns, rolls and sandwiches paired with plenty of fresh herbs — and fresh beer, too.

Big, fat, fresh baguettes are sold everywhere, good for a pate sandwich or smeared with the ubiquitous Laughing Cow cheese. The coffee is world class - served strong and rich in demitasses - with the best blends being smooth and chocolatey. Wine is also widely available.

Specialty places like The Warehouse on Hang Trong are good for a wide, reliable selection of domestic and foreign vintages. Hanoi has a plentiful and delicious collection of patisseries spread all over the city boasting decadent but very affordable treats.

**Hanoi has been selected as one of the top 10 cities for food in the world by Shermans Travel.**



## Hanoi Local Transportation

The main means of transport within Hanoi city are motorbikes, buses, taxis/cars, and bicycles.

### *Taxis in Hanoi*

Taxis are very inexpensive and normally go by the meter without a problem. Big taxis operated by 'Hanoi Taxi Group' would be a safer bet compared to the more gung-ho smaller taxis that have a reputation of meters being 'fixed'.

Taxi Sample Rate (as of 2014): 12,000 VND/km (0.6 USD/km)

### *Public Buses*

Public buses run on many routes and fare can be purchased on the bus, with very cheap prices (0.3 – 0.4 USD for a journey where a taxi might cost \$10.)

### *Motorbikes*

Motorbike is the major mean of transportation in Vietnam. Motorbikes and bicycles can also be rented from agents within the Old Quarter of Hanoi.

## Recreation & Attractions in Hanoi



A variety of options for entertainment in Hanoi can be found throughout the city. Modern and traditional theaters, cinemas, karaoke bars, dance clubs, bowling alleys, and an abundance of opportunities for shopping provide leisure activity for both locals and tourists. Hanoi has been named as one of the top 10 cities for shopping in Asia by Smart Travel Asia. The number of art galleries exhibiting Vietnamese

*When it comes to entertainment, Hanoi has plenty to offer. In addition to seeing the sights, visitors can take in a show at the theater, indulge in a spot of shopping or explore the parks. There are also outdoor pursuits available such as golf, swimming and cycling.*



art has dramatically increased in recent years.

Hanoi has a number of lovely parks and museums where you can while away the hours of a warm summer's afternoon -- Lenin Park, south of Hoan Kiem district and just north of Bay Kau Lake are among the most popular, especially on holidays, when it's packed with picnickers.

There are a number of vibrant festivals held throughout the year and this is a great time to see the culture and religious spirit of the city. One of the most interesting festivals for visitors is the Hung King Temple Festival, while those who arrive in the spring will witness the annual elephant festival.



### *Hanoi City Tours*

A number of different travel companies take visitors to Hanoi on tours of the city, which serves as a great introduction. These daylong tours include a wide range of major sightseeing attractions such as the Ngoc Son Temple, the Dong Xuan market, the

Old Citadel, the Ho Chi Minh Mausoleum and Museum, the One Pillar Pagoda, the Quan Thanh Temple and Tran Quoc Pagoda, the Ethnology Museum, the Literature Temple and Quoc Tu Giam. It is also possible to arrange longer tours which take visitors to places of interest just outside the city.

### *Golf*

There are some great places to play golf in and around Hanoi and a good place to start is the Hanoi Club, which also offers a range of other activities. Another excellent choice is the King's Island Golf Resort and Country Club, which offers spectacular views of the Ba Vi Mountain and the waters of the Dong Mo Reservoir from its 36-hole course.

### *Cooking classes*

Taking a cooking class is a good way to get something extra out of the trip than simple souvenirs and photographs and is also a good way to impress friends back home. The stylish Old Hanoi offers gourmet cooking classes, while the Hanoi Cooking Centre offers both long and short courses for adults and children.



## *Nightlife*

Hoan Kiem Lake contains most of Hanoi's Western-style bars and this is a good place to meet other travelers at the end of the day. There are also some vibrant clubs here where it is possible to dance until the small hours. Also popular with music lovers is Minh's Jazz Club, where people gather to listen to live sets from local musicians.



*View over West Lake from Sofitel Plaza Hotel*

## **Around Hanoi**

Hanoi also provides a convenient base for excursions to Ha Long Bay, and to Sa Pa and the northern mountains, where one will be able to get away from the tourist hordes and sample life in rural Vietnam. There are also a few attractions much closer at hand, predominantly religious foundations such as the Perfume Pagoda, with its spectacular setting among limestone hills, and the spiral-shaped citadel of Co Loa, just north of today's capital.

## 9. Social Activities and Technical Visits

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### ❖ Opening Performance in Plenary Session of First Day Program:



Group of dancers will perform in 54 ethnic customs & traditional music band playing back to welcome all delegates to Vietnam, with major focus on dancing of Thai, Muong, Champa, and Kinh People.

Key Message to send out: Welcome to Working Week Hanoi 2019: “For Spatial Enablement of Each citizen”

**VIP Attendance:** officials from Central Government at high-level (at least Vice Minister), VUSTA Leader, Hanoi Authority’s Leader and representatives from relevant international organisations

### ❖ Social Program:

#### a. Welcome Reception Dinner (included in registration fee):



The Party is buffet styled Dinner with authentic Vietnamese food, a recall of traditional culinary culture with the theme of “Village market”

“Village market “introduces the culinary art of the 3 regions of Vietnam with their traditional art activities of the peasants such as Quan Ho Bac Ninh (from the Northern Vietnam) – Hue Folk Songs (Hue – Central Vietnam) - Southern folk dancing (from the Southern Vietnam)

Audience will enjoy our traditional specialties and cuisines

*Venue:* Outdoor (TBC)

**b. FIG Foundation Dinner:**



Foundation Dinner set into special atmosphere of Hanoi 1930s, recalling the previous time of Indochina culture. Dinner is especially decorated with the image of Hanoi Old Quarter in a century ago.

Art Performances will introduce the intangible cultural heritages of Vietnam: Ca Tru Singing (Hanoi) – Royal Chamber Music & Dance (Vietnamese Court Music)

*Venue:* 5 star Hotel (Tentatively JW Marriott Hanoi)

**c. Vietnamese Traditional Music Concert:**



The Vietnamese folk songs and contemporary international chamber music will be presented in the most unique way on the Vietnamese endemic musical instruments.

This concert has always received great applause from foreign visitors.

Venue: The Hanoi Opera House

**d. Gala Dinner:**



Party organized with the theme from a story of The Legend of Dragon and Fairy – the story about the origin of Vietnamese people.

Audiences will be continuously amazed with Vietnam’s culture, presented by Viet people’s costumes throughout feudal dynasties (since “Hùng” King till Nguyễn Dynasty)

Taken turns by the improvised contemporary music performance, representing East and West dialogue in making the remark of Vietnam’s integration.

Venue: Vietnam National Convention Center

**e. Farewell Party (included in registration fee)**

A free farewell party will be offered to all delegates on the last day of the Working Week for relaxation and chilling out

**f. Pre – Tour (not included in packaged registration cost):**

**Ha Long Bay Tour (2 Days 1 Night)**

Halong Bay is a spectacular natural wonder recognized by UNESCO as the world’s heritage, and recently voted one of new 7 wonders of the world.

The Tour is designed for Participants who arrive in Vietnam sooner than the Opening Date of Working Week.

**g. Daily City Tour (not included in packaged registration cost):**

- **Bat Trang Ceramic Village & Co Loa Old Citadel Tour**

Co Loa Citadel: Dating from the 3rd century BC, Co Loa Citadel (Co loa Thanh) was the first fortified citadel in Vietnamese history and became the national capital during the reign of Ngo Quyen (AD 939-4-1). This old fortress attracts many tourists for its historical and cultural value.

Bat Trang Village: It's a small village in the north of Vietnam, is about 13 kilometers south east of Hanoi center, on the other side of Chuong Duong bridge, familiar to tourists for its ever famous ceramic and pottery products of high quality.

- **Van Phuc Silk Village & Tay Phuong Pagoda:**

Van Phuc Silk Village: Just 15km to the west of Ha Noi is a place renowned over centuries for its silk-making and silk products – Van Phuc village in Ha Dong of Ha Tay Province. In recent years, the village has enjoyed the revival of its craft due to a surging demand for silk in both the domestic and foreign markets.

Tay Phuong Pagoda: Tay Phuong pagoda was built in the 8th century and has been restored several times since. In 1632, the pagoda was rebuilt according to the Sino-Vietnamese character Tam (three), featuring three sections: the upper sanctuary, back palace, and lobby rooms.

- **Hanoi Cultural & Cooking Class Tour:**

The Hanoi traditional gourmet cooking tour is customized for those who wish to have real experience on how to prepare a “Vietnamese meal”.

- **Hanoi Old Quarter Cyclo Ride & Shopping Tour, Water Puppet Show**

Enjoy a city tour around Hanoi - the capital with a thousand years of culture of Vietnam by Cyclo Ride to explore the rich history of Vietnam.

Beside you could attend a traditional Water Puppet performance - a unique Vietnamese art done by peasants.

**h. Post- Tours Program: a combination of Excursion Tours with Technical Tours (not included in packaged cost)**

- **The World Heritage Phong Nha Ke Bang National Park – Paradise Cave**

## **the longest cave of Asia & Visit the tomb of legendary General Vo Nguyen Giap (2 days 1 night)**

### Technical:

- Introduction of 3D Laser Scanner applying for Cave, Historic Relics
- Satellite Image Ground Station

Phong Nha-Ke Bang National Park is situated in one of the largest areas of contiguous limestone karst in Indochina, which also includes Hin Namno National Protected Area in Laos. The limestone massif is located in a transitional zone between the northern and central Annamite mountains.

The topography of the national park is characterised by precipitous karst ridges, which rise to elevations of around 400 m. Scattered among these ridges are narrow valleys and pockets of igneous rock formations. Because of the limestone topography, drainage is complex and there are few permanent water courses.

Paradise Cave (Thien Duong cave), the largest and most beautiful cave among many was discovered in 2005. With natural primitive features the cave looks like a landscape painting, making it very attractive to visitors. It is located within the Phong Nha - Ke Bang park's conservation area. The cave, 191m above sea level, has the most beautiful and spectacular stalactites. Despite the robust geological tectonic process, the whole of the cave's structure has been preserved intact.

Tomb of Legendary General Vo Nguyen Giap (1911 – 2013): General Vo Nguyen Giap was considered one of the 20th century's most important military commanders.

- **Cat Ba Island & Cam Pha Mines Tour ( 3 days 2 night)**

Technical: Mining Survey, calculating the mineral resources base on the volume of waste output.

Cam Pha Mines: “Cấm Phả” was the site of one of the biggest coal mines in south of Asia which has been exploited for almost a century. The coal mine featured on a special commemorative Vietnam stamp in March 1959. Coal still forms the basis of Cẩm Phả's local economy, with other industries including quarrying, lime production, port, agriculture, forestry and fisheries.

Cat Ba Island is the largest island in the Bay and approximately half of its area is covered by a National Park, which is home to the highly endangered Cat Ba Langur. The island

has a wide variety of natural ecosystems, both marine and terrestrial, leading to incredibly high rates of biodiversity. Types of natural habitats found on Cat Ba Archipelago include limestone karsts, tropical limestone forests, coral reefs, mangrove and sea grass beds, lagoons, beaches, caves, and willow swamp forests.

- **Xuan Thuy National Park (2 days 1 night)**

Technical: threat of sea level rise, climate change.

Xuan Thuy National Park, which plays a major role in preserving the ecological system and developing eco-tourism in the Red River Delta, was declared Vietnam's first Ramsar site in 1989. Located in Giao Thuy District, Nam Dinh Province, the park is over 7,100 hectares, of which 3,100 hectares is mangrove land and 4,000 hectares of mangrove forest.

The site is famous for diverse fauna species. To date, more than 200 bird species have been recorded at Xuan Thuy and it is the most important staging and wintering area for migratory water-birds in the coastal zone of the Red River Delta. It is also home to 110 aquatic plant species, 500 species of benthos and zooplankton with some aquatic species of high economic value, like shrimps, fish, crabs and oysters, are also found in the area. Fish, shrimps and crabs provide the main income of the local community.

- **Moc Chau Highland Tour ( 2 days 1 night)**

Technical: Soil Cracking & Collapse

Moc Chau is all about its surroundings – a mountainous area, famous for its tea hills, limestone karsts, endless plum orchards, corn fields and dairy products... It offers a range of traditional and deep-rooted ethnic cultures, hidden misty valleys surrounded by crenellated karsts and dense forests, small remote villages that appear mysteriously from the fog, stunning panoramic views, ideal trekking and biking routes, and as is so often the case in Vietnam, warm and heartfelt local hospitality.

- **Vietnam World Heritages Road Tour: Hue – Hoi An – My Son Sanctuary Site ( 6 days 5 nights)**

Technical: GNSS/CORS Stations in Danang City, Quang Nam Province.

Hue-Imperial city ranks highly on the “must see” list of most visitors to Vietnam. Recognized by UNESCO with two World Cultural Heritage destinations, namely the Hue

Cultural Heritage Monuments and Hue Court Music. Hue's main attractions are the Imperial Palace, ancient tombs of Vietnam's last great dynasty, and Buddhist pagodas.

Hoi An Ancient Town is an exceptionally well-preserved example of a South-East Asian trading port dating from the 15th to the 19th century. Its buildings and its street plan reflect the influences, both indigenous and foreign, that have combined to produce this unique heritage site.

My Son Sanctuary Site was an imperial city during the Cham dynasty, between the 4th and 12th centuries. My Son Sanctuary is a large complex of religious relics that comprises more than 70 architectural works. They include temples and towers that connect to each other with complicated red brick designs. The main component of the Cham architectural design is the tower, built to reflect the divinity of the king. Although time and the wars have destroyed some towers, the remaining sculptural and architectural remnants still reflect the style and history of the art of the Cham people. Their masterpieces mark a glorious time for the architecture and culture of the Cham, as well as of Southeast Asia.

## PART 3 – MOTIVATION FOR HOSTING



### Local Organizer – THE VIETNAM ASSOCIATION OF GEODESY CARTOGRAPHY AND REMOTE SENSING

The Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR) is:

- **A social, professional organisation**
  - Under VUSTA (Vietnam Union of Science and Technology Associations)
  - Established on 20<sup>th</sup> December 1989
  - According to the decision No 369 – TC by the Chairman of Ministerial Council (Currently Prime Minister of Republic socialist of Vietnam)
- **A non-governmental organisation** Of Scientists and Technicians specialized in Geodesy, Cartography and Remote Sensing working for Research, Education and Production
- **A full member of:**
  - The Vietnam Union of Scientific Technical Associations (VUSTA)
  - The International Federation of Surveyors (FIG)
  - The International Cartographic Association (ICA)
  - International Society of Photogrammetry & Remote Sensing (ISPRS)
  - The ASEAN Federation of Land Administration and Geomatic (ASEAN FLAG)

### THE OVERALL VISION OF THE ASSOCIATION

- to spread professional knowledge and expertise
- to upgrade competence of its members
- to sensibilise people on the role and contribution of the profession to the socio-economic development and to the guard of the politico-social safety.

### THE ASSOCIATION'S ACTIVITIES INCLUDE:

- To organize professional conference and seminar.
- To promote consultancy and service in surveying, mapping and geomatic
- To inspect, supervise and opponent the surveying, mapping and geomatic content in governmental programme and project.
- To participate to international and regional activities in surveying, mapping and geomatic.

## EVENT ORGANISATION'S EXPERIENCE INCLUDES:

- FIG Meeting
- The 25<sup>th</sup> Asian Conference on Remote Sensing in 2005.
- The 6<sup>th</sup> Commission of ISM (International Society for Mine Survey) Conference on Survey & Mapping for Sustainable Development, March 2007.
- The 7<sup>th</sup> FIG regional Conference 19-22 October 2009, Hanoi.
- The 31<sup>st</sup> Asian Conference on Remote Sensing 1-5 November 2010

## MOTIVE

2019 will be a big festival year of the Vietnamese community of surveyors with **the 60<sup>th</sup> anniversary of Surveying and Mapping Day of Vietnam** (14/12/1959 -14/12/2019) and **the 30<sup>th</sup> birthday of the VGCR** (1989 – 2019). Together with **the 65<sup>th</sup> anniversary of Hanoi's independence** (1954 – 2019), the FIG 2019 will add a great contribution to the festive atmosphere to honour and celebrate this UNESCO's City of Peace.

Hanoi has been the one of the capital cities growing strongly to reach out for friends all over the globe with great potentials as well as time-tested achievements in education, technology, economics and cultures, while reserving its best elegance and richness in history and cultures. We believe FIG 2019 will be a great opportunity for the world to come and join our great celebration.

## OBJECTIVES & OUTCOMES

- To promote and raise profile and increase awareness of the surveying profession both nationally and internationally
- To create the open forum to exchange and share experience from the world's professionals, surveyors & experts in the field.
- To address different issues with the global community, inclusive of but not limited to, land governance, management of natural resources, protection of environment, coping with climate changes, and implementation of millennium development goals.

## SUGGESTED THEME FOR 2019 – “FOR SPATIAL ENABLEMENT OF EACH CITIZEN”

On 28 October 2011, the first high level forum on global spatial data management held in Seoul (from 24 to 26 October, 2011) reached an agreement on Seoul Declaration on global geospatial data management which is regarded as a document supporting

implementation of initiatives of the United Nations to enhance global cooperation in the field of geospatial data management in order to help overcome global challenges.

In the next important event - the International Symposium on Spatially Enabled Government and Society jointly organized by GGIM, PCGIAP, GDSI, FIG in Kuala Lumpur, 15 - 16 February 2012. In this Symposium, an UN Declaration from Kuala Lumpur was adopted, in which the term 'Spatial Enablement of Governments and Societies' to become an universal slogan for development of National Spatial Data Infrastructure (NSDI).

In Vietnam, VGCR has proposed an own concept to the Development Strategy of NSDI for Vietnam that to have 'Spatial Enablement of Governments and Societies' we need to do 'Spatial Enablement of Each Citizen'. It is the idea to form the Theme of Working Week 2017 in Vietnam as 'FOR SPATIAL ENABLEMENT OF EACH CITIZEN'.

## **TECHNICAL PROGRAMME**

The technical program will include a broad professional and scientific program: during 3 consecutive days, offering up to 10 parallel sessions and workshops. This will allow more than 300 presentations in the entire broadness of the surveying profession. The carefully prepared Technical Program will offer both specially invited high profile presentations and papers that are selected through the open call for papers procedure.

FIG Working Week Hanoi 2019 is the main event for all 10 FIG technical commissions and FIG Task Force.

FIG is responsible of the technical programme (planning, collection and editing of the abstracts and full papers and the design of the program)

## **PREPARATORY MEETINGS: SITE VISITS AND OTHER LOGISTICS**

- End of 2016: A site and inspection visit will be expected either jointly or individually by the FIG President and the FIG Manager. All local cost incurred for the visit lasting 2-3 days is to be covered by VGCR.
- Beginning of 2018, 1-2 site and coordination visits by the FIG Manager and FIG Coordinator will be expected. This is a 3 -4 days working visit will be covered by VGCR.
- After the last site check, Venue Floor Plan for Technical Program, Social Program & Exhibition will be finalized between FIG with local host organizer before April

2018 for officially publishing on website and sponsorship advertising.

- Other logistics concerning to FIG Administrative Meetings, ACCO Meetings, Council Meetings, and General Assembly Meetings will be addressed before 2019.

## OUR INITIATIVES

- More Interesting with the combination of Excursion Tour with Technical Tour in our program
- Propose to sign a multilateral memorandum among FIG's members to exchange the education program, student, and researcher for studying, researching & teaching.

## VISIBILITY AND ATTRACTIVENESS

- **Official Website of Event**
  - Website content & sitemap will prepare and finish the key content.
  - Website will embed the functional code for online registration payment, which the security of online transaction is the subject of agreement by FIG
  - Website is also designed for online submit of technical abstract, which can create username & password for interested professionals and experts to submit their abstracts directly to FIG Council.
  - Frequent Updates on Conference's Theme and Introduction of Vietnam Culture & Landscapes to draw more attentions from online visitors.
    - ✓ *Online Call for Paper & Summit*
    - ✓ *Online Registration & Payment*
    - ✓ *Professional Software to manage Delegate's Database*
- **Social Marketing & Publicity Campaign**
  - *Email Marketing*: Monthly E-Newsletter will send out to introduce the Working Week Hanoi 2019 one year before event date.
    - ➔ Expected 12 – 15 Newsletters to introduce, update, new stories & remind the event
  - *Facebook/Twitter Fanpage*: Official Facebook Fanpage of FIG Working Week Hanoi 2019 will gather professionals, especially students and young surveyors, from around the world to discuss, update about upcoming event in Vietnam.

➔ Expected 3,000 followers on Facebook/ Twitter Fanpage

- **Publicity Campaign:**

Before Working Week 2019: Seeding Printed/Online News to top leading media by the organizers to let more audiences know about the Upcoming Event: FIG Working Week Hanoi 2019.

Press Conferences will be organized at least 02 times: before the FIG Working Week's opening, and after the completion of Working Week to give the conclusion & announcement of the success of event.

➔ Expected 60 – 80 Online/Printed/TV News Coverage Reports on FIG Working Week Hanoi.

## **LEGACY**

The success of FIG Working Week 2019 will surely leave a deep footprint in international cooperation of the surveying field. This will be one of the greatest wealth for networking and social contacts as well as for sharing, exchanging and learning from each other the updated knowledge, technology and expertise.

A well-organised event like FIG Working Week 2019 will also boost the prestige and visibility of the host – VGCR. The Vietnamese surveying society, especially students and young surveyors, will definitely enjoy the international supportive environment catered by the event.

## Appendices

### 1. Preliminary Budget

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## ESTIMATION BUDGET FOR FIG WORKING WEEK HANOI, VIETNAM 2019

#### Time:

- o Option 1: 05 – 12 April 2019
- o Option 2: 12 – 19 April 2019
- o Option 3: 19 – 26 April 2019

#### Venue:

#### Total of participants

- o Delegates; Early: 500
- o Delegates; Normal: 250
- o Delegate; Late: 250
- o Free access: 100

#### Currency: Euro

### EXPENDITURE

Description	Detail cost	Quantity	Total
Printed Matters			30,000
Marketing			48,000
Site Visists (Partly sponsored by Hanoi Conventional Budget)			15,000
Conference Venue Rentals (See Appendix 2 for details)			222,535
o Venue Rentals	142,655		
o Conference Equipments	17,880		
o Exhibition ad Booths	50,000		
o Additional Costs	12,000		
Opening Ceremony, Hosted Welcome Reception and Farewell Party (Partly sponsored by Hanoi Conventional Budget)			55,000
Participant's Kit			14,500
Participant's cost (Lunch and coffee break)			41,800
Social Envents			
o Vietnam Traditional Music Concert			22,000
o Foundation Dinner			22,500
o Gala Dinner			55,000
Tours (Transportation Included)			
o Pre-Conference Tour			28,000
o City Tour			3,500
o Technical Post-Conference Tour			90,000
Invited Guests			20,000
Conference Management (Incl. FIG Delegates service)			49,800
Secretariat; Communications			14,500
FIG Foudation Fee			15,000
Virous			6,000
<b>TOTAL COSTS</b>			<b>753,135</b>
VAT (10% ON TOTAL COSTS)			75,314
<b>TOTAL EXPENDITURE</b>			<b>828,449</b>

**INCOME****10 € is included in the fees as FIG Foundation Royalties****Participants ( Full packages)**

o Delegates; Early: 500	500	500	250,000
o Delegates; Normal: 250	250	600	150,000
o Delegate; Late: 250	250	700	175,000
o Free access: 100			

**Sponsor/Advertising/Exhibition income (International sponsors NOT included)****155,000****Social Envents**

o Vietnam Traditional Music Concert	300	70	21,000
o Foundation Dinner	120	70	8,400
o Gala Dinner	400	90	36,000

**Tours (Transportation Included)**

o Pre-Conference Tour			28,000
o City Tour			3,500
o Technical Post-Conference Tour			90,000

**TOTAL INCOME****916,900****SUMMARY****Total Income****916,900****Total Expenditure****828,449****RESULT****88,452**

## 2. Venue Cost Estimation

#	Meeting Description	NCC Room Description	Meeting Days								No. of Days		Cost		
			Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Setup & Dismantling Days	Meeting Days	Price/day	Participants	Total cost
<b>Meeting rooms</b>															
1	<i>General Assembly, Opening Ceremony, Plenary Sessions, Technical Session 1</i>	Main Meeting Hall 4,000m2, up to 3,500 Pax			General Assembly	Opening ceremony, Plenary, Technical Session 1	Plenary, Technical Session 1	Plenary, Technical Session 1	General Assembly			2	5	8,500	59,500
2	<i>Technical Session 2</i>	Room No. 313 490m2; 400Pax			Set up	Technical Session 2	Technical Session 2	Technical Session 2				1	3	2,480	9,920
3	<i>Commission Annual Meeting 1, Technical Session 3</i>	Room No. 309 490m2; 400 Pax,			Commission Annual Meeting 1	Technical Session 3	Technical Session 3	Technical Session 3				1	4	1,850	9,250
4	<i>ACCO Meeting, Commission Annual Meeting 2, Technical Session 4, FIG President Meeting</i>	Room No. 343 490m2; 400 pax		ACCO Meeting	Commission Annual Meeting 2	Technical Session 4	Technical Session 4	Technical Session 4				1	5	1,850	11,100
5	<i>Commission Annual Meeting 3, Technical Session 5</i>	Room No. 347 490m2; 400 Pax			Commission Annual Meeting 3	Technical Session 5	Technical Session 5	Technical Session 5				1	4	1,850	9,250
6	<i>Council Meetings, Commission Meeting Room 1, Commission Annual Meeting 4</i>	Room No. 201 160m2, 150 Pax	Council Meetings		Commission Meeting Room 1, Commission Annual Meeting 4	Commission Meeting Room 1	Commission Meeting Room 1	Commission Meeting Room 1	Commission Meeting Room 1	Council Meetings		1	7	865	6,920
7	<i>Commission Meeting Room 2, Commission Annual Meeting 5</i>	Room no. 202 160m2; 150 Pax			Commission Meeting Room 2, Commission Annual Meeting 5	Commission Meeting Room 2	Commission Meeting Room 2	Commission Meeting Room 2	Commission Meeting Room 2			1	5	865	5,190
8	<i>Commission Meeting Room 3, Commission Annual Meeting 6</i>	Room No. 205 160m2; 150 Pax			Commission Meeting Room 3, Commission Annual Meeting 6	Commission Meeting Room 3	Commission Meeting Room 3	Commission Meeting Room 3	Commission Meeting Room 3			1	5	865	5,190
9	<i>Commission Meeting Room 4, Commission Annual Meeting 7</i>	Room No. 207 160m2; 150 Pax			Commission Meeting Room 4, Commission Annual Meeting 7	Commission Meeting Room 4	Commission Meeting Room 4	Commission Meeting Room 4	Commission Meeting Room 4			1	5	865	5,190
10	<i>Commission Meeting Room 5, Commission Annual Meeting 8</i>	Room 210 160m2; 150 Pax			Commission Meeting Room 5, Commission Annual Meeting 8	Commission Meeting Room 5	Commission Meeting Room 5	Commission Meeting Room 5	Commission Meeting Room 5			1	5	865	5,190
11	<i>Member Association Conference Office</i>	Room No. 212 160m2; 150 Pax	Office	Office	Office	Office	Office	Office	Office			1	7	450	3,600
12	<i>FIG Conference Office</i>	Room No. 212 160m2; 150 Pax	Office	Office	Office	Office	Office	Office	Office			1	7	450	3,600
13	<i>FIG President Meeting Room</i>	Room No. 103		President	President	President	President	President	President				6	450	2,700
14	<i>Commission Annual Meeting 9, Speaker's Room</i>	Room No. 216 160m2; 150 Pax			Commission Annual Meeting 9	Speaker's Room	Speaker's Room	Speaker's Room	Speaker's Room			0	5	865	4,325
15	<i>Commission Annual Meeting 10</i>	Room No. 218 160m2; 150 Pax			Commission Annual Meeting 10							1	1	865	1,730
													<b>Total Cost of Meeting Rooms</b>		<b>142,655</b>

<b>Exhibition</b>															
	<i>Exhibition space</i>			Setup	Setup	Exhibition	Exhibition	Exhibition	Dismantling		2	3	8,000	40,000	
	<i>Exhibition booths</i>			Setup		Exhibition	Exhibition	Exhibition	Dismantling				10,000	10,000	
										<b>Total Cost of Exhibition</b>				<b>50,000</b>	
<b>Registration area</b>															
	<i>Registration area</i>			Registration	Registration	Registration	Registration	Registration	Registration		1	6	0	0	
<b>Conference's Equipment</b>															
	<i>Computers (15 rooms)</i>										1	7	235	1,880	
	<i>Other Equipment (projectors, LCD)</i>										1	7	1,000	8,000	
	<i>Technical support</i>										1	7	1,000	8,000	
										<b>Total Cost of Conference's Equipments</b>				<b>17,880</b>	
<b>F&amp;B for Delegates</b>															
	<i>Participants</i>												38	1,100	41,800
	<i>Additional</i>												38	200	7,600
										<b>Total Cost of Conference's Equipments</b>				<b>41,800</b>	

<b>Total of Venue Rentals (incl. tax &amp; service charge)</b>	<b>142,655</b>
<b>Total of Conference's Equipments (incl. tax &amp; service charge)</b>	<b>17,880</b>
<b>Total of Exhibition (incl. tax &amp; service charge)</b>	<b>50,000</b>
<b>Total of F&amp;B for participants (incl. tax &amp; service charge)</b>	<b>41,800</b>



## Summary of the bids for 2019 - Vietnam, Hanoi, The Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)

The following clarification is based on information given in the bid documents. Below is a summarized comparison from given bids. All variables were submitted in the original bid for proposals. This document is a summary of each country's bid and is meant to be a fact based document.

ITEM and criteria	Vietnam, Hanoi, The Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR)
<b>1. Rotation of the conference:</b> Previous and planned conferences:	Asia/Pacific (2016, 2014, 2010) <b>Congresses:</b> 2014: Asia and the Pacific (Malaysia); 2010: Asia and the Pacific (Australia); 2006: Europe (Germany), 2002: North America (USA); 1998: Europe (United Kingdom); 1994: Asia and the Pacific (Australia) <b>Working Weeks:</b> 2017: Europe (Finland) 2016: Asia and the Pacific (New Zealand); 2015: Europe (Bulgaria); 2013: Africa (Nigeria); 2012: Europe (Italy); 2011: Africa/Arab countries (Morocco); 2009: Asia/Middle East (Israel); 2008: Europe (Sweden); 2007: Asia (Hong Kong SAR, China); 2005 Africa/Arab countries (Egypt); 2004: Europe (Greece); 2003: Europe (France); 2001: Asia (Republic of Korea); 2000. Europe: Czech Republic.
<b>2. Country</b>  hosting of earlier FIG events and general experience	Today, Vietnam is known as one of the most dynamic countries in ASEAN with the rapid economic growth rate over many decades. Its population is approx. 90 million people from 54 ethnics group (more than 80% of people are Viet People), which made Vietnam become most crowded country in the region. VGCR successfully hosted the FIG 7 <sup>th</sup> regional conference in 2009. VGCR has collaborated with Asian Remote Sensing Association to organize two conferences on "Asian Remote Sensing". VGCR was established in 1989.
<b>3. Member association</b>  Its activeness, Commitment to FIG and to FIG 2019 Execution ability for local association	Vietnam Association of Geodesy, Cartography and Remote Sensing (VGCR). VGCR has in the later years been quite active in FIG, and has been represented at the FIG Working Weeks and Congresses. The association is in good standing.
<b>4. Supporting organisations</b>  Local support to the Working Week Governmental support Financial support General support	Government Funding: Vietnamese Government will not provide funding directly to FIG Working Week; however, they provide funding through assistances to use the public venues with great discount cost for rent: <ul style="list-style-type: none"> <li>• The Vietnam National Convention Center (main venue is proposed for FIG Working Week Hanoi 2019)</li> <li>• Hanoi Opera House (to organize social programs)</li> </ul> Government Support: Vietnamese Government support to organize FIG Working Week Hanoi 2019 as following: <ul style="list-style-type: none"> <li>• Transportation Clearance for Conference VIP, Delegates by Police Motorbikes (if necessary).</li> <li>• Visa Procedure: support quickly for Conference Delegates &amp; Accompanying Persons.</li> <li>• Security check &amp; Public Orders during the FIG Working Week Hanoi 2019.</li> </ul> The Ministry of Natural Resources & Environment will consider to support to The Working Week 2019 if the event will be awarded to organize in Hanoi.
<b>5. Host city</b>  Characteristics and interest	Hanoi - Vietnam is well-known for being a city of peace, recognized by UNESCO since 1999, and it is also regarded as an elegant city of safety, beautiful landscapes,

<p>from congress programme point of view</p> <p>Host city attractiveness</p> <p>Host city offerings</p>	<p>delicious cuisines, and charming people. according to TripIndex by TripAdvisor in 2012, Hanoi will be the cheapest city in the world for two of a one-night stay in a four-star accommodation, food&amp;beverages, and taxi transport.</p> <p>Hanoi has many advantages and:</p> <ul style="list-style-type: none"> <li>- Peaceful, Safe Environment with Friendly People.</li> <li>- Opened Foreign Policy by Vietnamese Government.</li> <li>- Nice weather &amp; Beautiful landscape</li> <li>- Well-equipped National Convention Center, 4-5 Hotels, International Airport, Transportation Infrastructure.</li> <li>- Great culture &amp; Delicious cuisine.</li> <li>- Very reasonable prices with high standards.</li> </ul> <p>The official currency is Vietnam Dong (VND), but the US dollar is pretty widely accepted. In tourist centers, most hotels will accept either. Taxi Sample Rate (as of 2014): 12,000 VND/km (0.6 USD/km)</p>
<p><b>6. Venue</b></p> <p>Price/affordability</p> <p>Location of venue</p> <p>Internet availability</p> <p>Suitability of rooms, size of venue, structure and layout of the venue</p> <p>Catering</p> <p>Value for money</p> <p>Hotels nearby</p> <p>Facilities for exhibition</p>	<p>Vietnam National Convention Center in Hanoi is currently one of the three biggest Convention Centers in Southeast Asia. NCC was also the main venue of FIG Regional Conference in Hanoi 2009. VNCC has a large hall (MMH), nearly 30 other halls and meeting rooms with area from 40m<sup>2</sup> to over 4.000m<sup>2</sup>, which can hold from 120 to more than 3.500 people. There are many 5 star hotels surrounding NCC Having multiple room systems; especially, the lobby systems inside and outside the building with area over 12.000m<sup>2</sup>, VNCC can also meet the demand of holding big exhibition and products displaying</p> <p>Shuttle Buses to and from VNCC</p>
<p><b>7. Accessibility</b></p> <p>Flight connections</p> <p>Several access possibilities</p> <p>Security</p> <p>Visa issues</p> <p>Air fare to destination</p>	<p>Noi Bai International Airport is the largest airport in the north of Vietnam. It is 28 miles (45 km) from the city centre. The travel time from the city centre is 30–45 minutes.</p> <p>At 650 ha, Noi Bai is the second-largest airport in Vietnam with a total serving capacity of 19 million passengers per year. Every day, more than 30 Vietnamese and international airlines, both conventional and budget, operate from Hanoi Noi Bai Airport</p> <p>Citizens from Thailand, Philippines, Malaysia, Singapore, Indonesia, Myanmar, Cambodia, Brunei and Laos do not need Visa. Citizens from Japan, South Korea, Sweden Norway, Denmark and Finland need no visa if travel is less than 15 days. All other citizens are required to get Vietnam entry visa before departure (Vietnam visa issued prior to departure by Vietnamese consulates or embassies) or a pre-approved Vietnam entry visa (visa is issued on arrival at Vietnam’s International Airports) supplied before arrival in Vietnam.</p>
<p><b>8. Safety and security</b></p> <p>Political stability</p> <p>Airport safety</p> <p>City safety – is it safe to move around?</p> <p>Political stability in country (rating must be 3 or higher)</p>	<p>Vietnam is a fairly safe and stable country.</p>
<p><b>Proposed dates</b></p>	<p>Option 1: 05 – 12 April 2019</p>

<p>Must meet FIG requirements Following FIG statutes Practical dates Availability of venue Other conferences at same time</p>	<p>Option 2: 12 – 19 April 2019 Option 3: 19 – 26 April 2019</p> <p>Weather in April is around 27 degree C (81F) and min Night time temperature is 21 degree C (70F). In April Hanoi still has warm climate and strong wind sometimes. The weather is the best when one still enjoys most beautiful days of spring.</p>
<p><b>9. Technical programme</b></p> <p>Coverage of all FIG Commissions, Potential partners Originality Special ideas</p>	<p>Not informed in the bid</p>
<p><b>10. Technical tours</b></p> <p>Coverage of all FIG Commissions Originality Ideas proposed</p>	<ul style="list-style-type: none"> <li>- Introduction of 3D Laser Scanner applying for Cave, Historic Relics</li> <li>- Satellite Image Ground Station</li> <li>- Mining Survey, calculating the mineral resources base on the volume of waste output.</li> <li>- threat of sea level rise, climate change.</li> <li>- Soil Cracking &amp; Collapse</li> <li>- GNSS/CORS Stations in Danang City, Quang Nam Province.</li> </ul>
<p><b>11. Social programme</b></p> <p>Attractiveness and variety Proposals for dinners Attractiveness of offered dinners Proposals for tours Is the program following the overall FIG concept</p>	<p>Many interesting locations for social programme and many possibilities for tours and activities. Welcome Reception Dinner - buffet styled Dinner with authentic Vietnamese food, a recall of traditional culinary culture with the theme of “Village market”</p> <p>Cultural evening - set into special atmosphere of Hanoi 1930s, recalling the previous time of Indochina culture. Dinner is especially decorated with the image of Hanoi Old Quarter in a century ago.</p> <p>Gala Dinner: organized with the theme from a story of The Legend of Dragon and Fairy – the story about the origin of Vietnamese people.</p> <p>Vietnamese Traditional Music Concert</p> <p>Pre- or post tours offered.</p>
<p><b>12. Attendance</b></p> <p>Expectation of international, regional and local attendance Realistic number of international and national participants</p>	<p>1000 - 1100 Delegates including 800 International Delegates + 200 - 300 Local Delegates</p>
<p><b>13. Accommodation</b></p> <p>Hotel costs Value for money Variation in hotel offers Closeness to proposed venue</p>	<p>There are a large number of accommodation around the Vietnam National Conventional Center (VNCC) with capacity of more than 3000 rooms within 2km, ranging from top-quality 5 and 4-star hotels to more moderate and modest of 3 and 2-star options as well as very reasonable hostels, which means there are great choices for any budget.</p> <p>Rooms start from as little as 20 USD. Spending from 40 to 70 USD will boost the</p>

Transportation to venue	comforts quickly, and rooms will generally include air-con, satellite TV, fridge and hot water. Make the step up to 80 USD and three-star frills are available. At 350 USD and above, it's five-star territory. There will be offered special discounts in 4 and 5 star hotels for FIG participants.
<b>14. Finances</b>  Estimate of surplus and financial risks Realistic fees proposed Fees in an acceptable price range Difference between international and national fees Realistic budget Estimated revenue	Budget is fairly realistic and shows a total result of 88,000 EUR, however sponsor/exhibition income is fairly optimistic. Proposed registration fees: Early bird: 500 EUR, Normal: 600 EUR, Late: 700 EUR Proposed dinner fees: Gala Dinner: 90 EUR, Vietnamese evening: 70 EUR.
<b>15. Sponsorship</b>  Estimate sponsorship and exhibition income Proposed income How realistic is proposed income Local sponsor offerings Sponsor interest to conference	Expected number of exhibitors is high, but there might be a high regional interest. Estimated income on local/regional sponsors/exhibitors is fairly high.
<b>16. Why host</b>  Reason for hosting	2019 will be a big festival year of the Vietnamese community of surveyors with the 60th anniversary of Surveying and Mapping Day of Vietnam (14/12/1959 - 14/12/2019) and the 30th birthday of the VGCR (1989 – 2019). Together with the 65th anniversary of Hanoi's independence (1954 – 2019), the FIG 2019 will add a great contribution to the festive atmosphere to honour and celebrate this UNESCO's City of Peace.  Hanoi has been the one of the capital cities growing strongly to reach out for friends all over the globe with great potentials as well as time-tested achievements in education, technology, economics and cultures, while reserving its best elegance and richness in history and cultures. We believe FIG 2019 will be a great opportunity for the world to come and join our great celebration.
<b>17. Objectives and outcomes</b>  Thought through why conference should be held at destination Difference to other destinations Short term outcome Long term outcome	Becoming the host country for FIG Working Week is a great chance for Vietnam to promote our achievements and progress in the field of surveying & data management. Particularly, it would be considered an important opportunity for greater development and connection for the community of Vietnamese professionals, experts, and surveyors to approach to the world's scholars as well as the occasion for the world experts to help Vietnam to address all our concerns and issues as the fact that Vietnam is one of the most five countries in the world being suffering consequences from climate changes, especially the threat of sea level rise. Besides that, Vietnam still faces many challenges of industrialization, urbanization, and poverty reduction.

<p><b>18. Suggested theme</b></p> <p>Thought of possible theme that fits to local/regional situation</p>	<p>A conference logo is suggested Theme: "FOR SPATIAL ENABLEMENT OF EACH CITIZEN" In Vietnam, VGCR has proposed an own concept to the Development Strategy of NSDI for Vietnam that to have 'Spatial Enablement of Governments and Societies' we need to do 'Spatial Enablement of Each Citizen'. It is the idea to form the Theme of Working Week 2017 in Vietnam as 'FOR SPATIAL ENABLEMENT OF EACH CITIZEN'.</p>
<p><b>19. Events organized in the past three years</b></p> <p>How experienced is the host in organising events</p>	<p>No information in the bidding material</p>
<p><b>20. Major event planned in the proposed city in 2017</b></p> <p>Many events might affect the price level</p>	<p>In 2019, Hanoi - Vietnam will host the 25th APEC Summit.</p>
<p><b>21. Initiatives for sustainable conference environment</b></p> <p>Is host city paying attention to environmental issues Is venue paying attention to environmental issues Is host paying attention to environmental issues</p>	<p>No information in the bidding material</p>
<p><b>22. New initiatives or activities</b></p> <p>Originality – but within the overall FIG concept</p>	<p>No information in the bidding material</p>
<p><b>23. What legacy to leave locally from the Working week</b></p> <p>With host Hosting city For the surveying community</p>	<p>The success of FIG Working Week 2019 will surely leave a deep footprint in international cooperation of the surveying field. This will be one of the greatest wealth for networking and social contacts as well as for sharing, exchanging and learning from each other the updated knowledge, technology and expertise. A well-organised event like FIG Working Week 2019 will also boost the prestige and visibility of the host – VGCR. The Vietnamese surveying society, especially students and young surveyors, will definitely enjoy the international supportive environment catered by the event.</p>
<p><b>VALUATION</b></p>	
<p><b>Issues supporting destination – subjective rating for Council</b></p>	<ul style="list-style-type: none"> <li>- There is a real interest locally to host the Working Week. VGCR also submitted a bid for the FIG Working Week 2017.</li> <li>- Association proved in 2009 to organize a successful Regional conference</li> <li>- Reasonable registration fees</li> </ul>

	<ul style="list-style-type: none"> <li>- Suitable conference venue</li> <li>- Good hotels nearby for reasonable prices</li> </ul>
<b>Issues against destination - rating</b>	<ul style="list-style-type: none"> <li>- Proposed dates are very early which is an advantage regarding the weather but difficult for FIG administration to finalise all needed material for the General Assembly.</li> <li>- Budget may be too optimistic</li> </ul>