





# Report from Advisory Committee of Commissions Chairs (2023-2026)

Winnie SHIU ACCO Chair (2025-2026) FIG Vice President (2023-2026)























- 1 Professional Standards and Practice
- **2** Professional Education
- 3 Spatial Information Management
- 4 Hydrography5 Positioning and Measurement
- 6 Engineering Surveys
- 7 Cadastre and Land Management
- 8 Spatial Planning and Development
- 9 Valuation and the Management of Real Estate
- **10 Construction Economics and Management**



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### FIG Commission 1 - Professional Standards and Practice

### Areas of Interest:

International Ethics Standards (WG 1.1) Women in Surveying (WG 1.2) International Boundary Settlement and Demarcation (WG 1.3) Chair: Timothy W. Burch, PLS

Executive Director - National Society of Professional Surveyors (NSPS)

"FIG Commission 1 focuses on establishing a set of ethical principles that fits the surveying profession for reference by professional institutions. It also focuses on promoting greater understanding and improving community perceptions about the surveying profession, which is underlined by the foundation's vision to improve gender equality and maintaining global peace and justice, in line with Goal No. 5 and 16 of the United Nations Sustainable Development Goals respectively."



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### FIG Commission 1 - Professional Standards and Practice

<u>Commission 1</u>	<u>Business Sessions</u>	<u>Commission 1</u>	WGIC / FIG Forum		
Paper Presentations Tuesday, April 8	Various Topics	Annual Meeting	Various Topics		
	Tuesday, April 8	Tuesday, April 8	Wednesday, April 9		
	14:00 – 15:30 &	17:30 - 18:30	11:30 – 13:00		
11:30 – 13:00	16 <mark>:</mark> 00 – 17:30	Room P10	Room P2		
Room P5	Room P10				

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# Commission 2 – 2024 Highlights: Events and Publications

- The World Surveyors Day 2024 March 23
- FIG WW2024, Commission 2 organised
  - two (2) technical sessions,
  - the annual meeting and
  - the FIG Academic Forum;
  - WG C2+C7 held a dynamic workshop
- The Global Survey on Surveying (2023-2024)
- A new chair for WG 2.3: Davey Edwards (USA)
- FIG Regional Conference Nepal 14-16 2024

- Positioning Paper: Teaching Essentials for Responsible Land Administration: Considerations for future education and training WG C2+C7
- 2025
- Webinar on FIG TF SDGs and Comm.2: The nexus between SDGs in Education a real success!
- FIG WW 2025













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Sagi Dalyot, Chair of Commission 3

Represented in General Assembly by Markus Schaffert

# Commission 3 " Spatial Information Management" • Goal and WGs • The Progress























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# One Goal, three Pillars, five Working Groups in Commission 3

Goal: Equal, Liveable, Available and Affordable Spaces

collection & handling & management processing

usage

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# The Progress. Events in 2024/25

- Workshop on "SurveyingRegistration Valuation: how we gather and deal with our data today" in Malta.
   Organized by Commission 3 joint with Commission 9 and EGOS 2/2024
- FIG Working Week 2024 in Accra, Ghana, 5/2024
- COBGI2024 workshop BIM and GIS Integration. Joint event organized by commission 3 and the Erasmus+ program BIRGIT (6/2024), Varaždin, Croatia
- 12th International FIG Workshop on the Land Administration Domain Model & 3D Land Administration in Kuching, Malaysia, 9/2024. Joint event including the Malaysian Geoinformation Week, Annual Meeting FIG Commission 5 & FIG Commission 7, and UN Habitat



















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# The Progress. Events in 2024/25

- FIG Working Week Brisbane 4/2025
- Workshop on "Building Back Better the Self-made Cities: Improving Geospatial Data Ecosystems & Formalizing Informal Settlements," Organized jointly by UNECE WPLA, FIG Commissions 3 & 9, EGoS, and the World Bank, Athens, 18-22 June 2025
- The 13th International FIG Workshop on LADM & 3D LA, November 2025, Florianópolis, Brasil, Joint event together with FIG Commission 7, FIG Commission 8, UN Habitat (STDM), and national Brazilian events
- FIG Commission 3 Annual Meeting 2025 TBD (Nairobi, Kenya)

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- Apart from organizing events also contributions of Com3 members in many (scientific) conferences
- Meeting in Naironi, Kenya, of Commission 3 chair and the Institution of Surveyors of Kenya (ISK)







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# **Brisbane Sessions**











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# **Commission 4 (Hydrography)**

Supports for all aspects of the Hydrographic Surveying Profession including; Education & Training, review and update of Standards and Guidelines; Blue Surveying and Hydrospatial Data Management; Climate change, Sea Level Rise and it's adaptation.

WG4.1 Hydrographic Standards and Guidelines.

WG4.2 Sustainable Oceans and Hydrography.

WG4.3 Mapping the Plastic.

WG4.4 Hydrospatial Domain and Marine Administration.

WG4.5 Climate Change induced Sea Level Rise and Adaptation.



WG4.1: Chair-Geoff Lawes



WG4.2: Chair-Gordon Johnston



WG4.3 : Chair-Simon Ironside



WG4.4: Chair-Kelvin Tang





**Commission Chair:** Eranda Gunathilaka

WG4.5: Chair-Mick Filmer









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# Key highlights in 2024-2025

- ✓ WG4.1: Supported Open Geospatial Consortium (OGC) in adoption of Bathymetry Attributed Grid (BAG).
- ✓ WG4.2: Capacity Development meetings and contributions to IHO (IBSC), IMO, WMO and IALA.
- ✓ WG4.3: Completed several pilot studies (Ghana & Sri Lanka), collaborated with Ghanian Ministery for the Environment on 'Plastic Not Seen" project.
- ✓ WG4.4: Contributed to Seabed 2030, Promote Hydrospatial Data Management.
- ✓ WG4.5: Expanded its membership and revised the action plan, Webinars.
- ✓ Closely working with the FIG YSN and CCTF.
- ✓ Attended several events representing FIG.
- ✓ Several publications.











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# Actions for FIGWW2025

- TS4.1 Hydrography for a Sustainable Future: Solutions for People, Planet, and Progress. Monday 7<sup>th</sup> April: 16.00-17.30
- TS4.2 Advancing Hydrospatial Intelligence: Innovation and Resilience in the Digital Era. Wednesday 9th April: 14.00-15.30
- JTS4.3 New Methods and Techniques to Improve Measurement Accuracy & Understanding of Relative Sea Level Rise and its Consequences.

Wednesday 9<sup>th</sup> April: 16.00-17.30; Panel Discussion (C4 and CCFT).





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# Commission 5 – Updates

### **Presentation to General Assembly Session I**

Ryan Keenan - Chair (2023-2026)

"FIG Commission 5 focuses on delivering fit-for-purpose performance for Positioning and Measurement. It provides the tools, techniques and procedures to educate and train surveying professionals everywhere. Appropriate methodology for data collection and processing are required to be successful in an era of global, integrated geospatial data."



#### **Working Groups**

- 5.1 Standards
- 5.2 3D Reference Frames
- 5.3 Vertical Reference Frames (with Comm 4)
- 5.4 GNSS
- 5.5 Multi-Sensor Systems (with Comm 6 / IAG)
- 5.6 Cost-effective Positioning
- 5.7 Emerging Technologies for PNT (with IAG)



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# Progress since the last General Assembly

Publications

- #64 Reference Frames in Practice (upd 2025)
- #74 Cost-Effective Positioning .... pending
- Involvement in UN-GGCE Listening Tours 2024
  - FIG | IHO | ISO sessions
  - Regions Americas, Asia Pacific, Australia
- Events (2024)
  - 14<sup>th</sup> Experts UN-GGIM New York, USA
  - UN-GGCE Bonn, Germany
  - Intergeo 2024 Stuttgart, Germany
  - FIG C7 Annual Meeting with C5 Sarawak, Malaysia
  - FIG RC 2024 Kathmandu, Nepal
  - RFIP Seminar 2025 -





# **Commission 5 in Brisbane**



C5 will be holding 1 Workshop, 7 sessions, 55+ abstracts, 1 dinner Reference Frames in Practice Workshop (1.5 day pre-event)

- Several session collaborations as shown below
  - SIDS Workshop Series with FIG Networks Comm5 co-hosting the Geodesy Session
  - Resilient PNT including Panel Discussion (joint WG with IAG)



#### Tuesday 16:00





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# **Commission 6: Engineering Surveys**

### Chair: Werner Lienhart





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### WG 6.1: Deformation Monitoring and Analysis WG 6.2: Dynamic Structural Monitoring

JISDM Conference

6th Joint International Symposium on Deformation Monitoring 07.-09.04.2025

- Bridge Monitoring Best Practice Example
  - Acquisition of monitoring data with a variety of geodetic sensors (April 2025)
  - Goals
    - · Generate an open data test data set to derive best practice standards
    - · and publish them as a FIG document.















Surveyors







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## WG 6.3: Applications of immersive technologies in Engineering Geodesy WG 6.4: Engineering Surveying Outreach

- Exploring new ways to get the FIG community involved
  - Webinar held together with YSN (Jan. 2025)

Sketch up catalogue

https://sketchfab.com/FIG\_WG6.3\_ImmersiveTech

Questionnaire







FIG Working Group 6.3 in collaboration with FIG Young surveyors network

#### WEBINAR DATE

This online webinar will teach you how to get started in the Unity game engine from a surveyor's

**16th January** 2025 17:00-18:30 (CET) Download Webex Meet for this

meeting SEND YOUR APPLICATION TO peter.bauer@tugraz.at

Special geodetic sessions at other e.g. civil engineering conferences





















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### **Commission 6 at Working Week Brisbane**







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# **Commission 7**

#### 2024 Highlights

FIG 2024, Accra, Ghana: 19 sessions, +100 papers, special session with SDGs and Climate Compass

FIG C7 Annual Meeting 2024, Kuching, Sarawak, Malaysia: 20 abstracts; 6 technical sessions; +LADM + STDM UN Habitat

FIG Regional Conference 2024, Kathmandu, Nepal, November; LAS in Nepal

Working Groups: All 8 active on online events, data collection and outputs

Position paper on future pathways for **Teaching Essentials in Responsible** Land Administration.



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		2023	2024	2025	2026	Current
		2025	2024	2025	2020	Status
	WG 7.1 FELA					
Activities	Case and Tool Capture	25%	70%	5.00%		100%
	Advocacy and Awareness	10%	30%	20.00%		55%
Outputs	FELA Publication	5%	10%	30.00%		45%
	WG 7.1 FFPLA				1	
	FFPLA Implementaiton Survey	10%	30%	0.00%		40%
Activities	FFPLA Case Stories	25%	60%	15.00%		100%
	Land Tenure Day'	0%	0%	0.00%		0%
Outputs	FFPLA Publication	0%	15%	25.00%		40%
	WG 7.3 3D&LADM					
Activities	LADM Revision Support	25%	55%	10.00%		90%
	Broading 3D Land Administration	10%	55%	0.00%		65%
Outputs	LADM Revision Document	0%	55%	20.00%		75%
and a second	2nd SI on LADM Revision	0%	55%	20.00%		75%
	WG 7.4 AI&RS					
	Technique and Tool Identification	25%	55%	20.00%		100%
Activities	Country Level Case Capture	25%		20.00%		70%
Outputs	RS&LA Publication (SI)	0%		0.00%		0%
	WG 7.5 Women		0.10	0.0070		•
	FIG Pub 24 Review	15%	30%	5.00%		50%
Activities	Stand for Her Land Support	20%		10.00%		50%
Houritos	Case Story Capture	10%		10.00%		45%
	Publication 24 Update	5%		10.00%		30%
Outputs	Field Catalogue	0%		30.00%		40%
	WG 7.6 LA+LUP	0.0	1070	50.0070		40 /
	Capturing country cases	20%	40%	20.00%		80%
Activities	Capturing tools and techniques	20%		20.00%		80%
Outputs	Publication DT&LM	0%		10.00%		20%
	SI on DT&LM	0%		0.00%		5%
	WG 7.7 LA Education	076	570	0.0076		37
	TERLA development	20%	E09/	20.00%		90%
Activities	Curriculm Review	20%		20.00%		90%
	TERLA Publication	0%		0.00%		100%
Outputs		0%	20%			20%
	Journal Article WG 7.8 Comparative Cadastres	0%	20%	0.00%	-	20%
		501	0.001/	0.000/	33	0.50
Activities	Needs Assessment	5%	20%			25%
Activities	Strategy Development	5%		0.00%		25%
Outputs	Pilot Implementation	5%		0.00%		5%
Outputs	State-of-Play Reports x4	25%		65.00%		100%
	Pilot / Demonstration / Implementation	0%	0%	0.00%		0%

#### 2025 Plans and Activities

3<sup>rd</sup> Arab Land Conference. Rabat, **Morocco**, February

**FIG 2025,** 13 sessions, +80 abstracts

#### Publications: LADM Overview LADM in the Classroom **FELA in Action** FIG Pub 24 Renewal



**C7** Annual Meeting Florianopolis, Brazil, with C8, November

**Online: FFPLA** Workshops



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# **Commission 7 – This Week**

Australian Land Administration Innovations 1 & 2 3D and Land Administration Domain Model (LADM) 1 & 2 Fit for Purpose Land Administration 1 & 2 Legal and Policy Issues in Land Administration Al and Remote Sensing Automation and Digitalisation Digital Transformation, Land Management and NSDIs Women's Access to Land (and Administration) Marine Cadastre and Applications SIDS/APCDN Joint Session Wall To Wall C7! All Day, Every Day!

13x joint sessions
80x papers
1x meeting
1x dinner

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### Commission 8 (Spatial Planning and Development) Theme (2023-26):

### **Knowledge Transfer and Innovation in Spatial Planning and Governance**

Key Areas: Responsible knowledge transfer and innovation, Land and spatial policy instruments, Land and spatial governance, Urban-rural land governance, Digitization of spatial planning processes, Valuation in spatial planning and land use.

### **Working Groups**

WG 8.1 Urban-rural land linkages WG 8.2 Unregistered Land and large-scale acquisition/compensation (Joint WG with C9) WG 8.3 Spatial Planning Instruments and Climate Change (Joint WG with the FIG YSN) WG 8.4 – Digital Transformation for Land Management and Spatial Governance (Joint WG with C7) WG 8.5 Spatial Plan and Valuation Information in LADM Context







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# **Commission 8 (Spatial Planning and Development)**

### Key Commission Highlights (2024-25)

- ✓ Webinar on "Climate-Smart Land Use Planning Towards Flood and Drought Resilience" – WG 8.3
- ✓ Roundtable Discussion on Gender Issues in Post-Mining Land Restoration – WG 8.3
- ✓ The Place of Digital Technologies in Land Administration and Management, and Spatial Planning and Development – WG 8.4
- ✓ 12th International FIG Workshop on the Land Administration Domain Model & 3D Land Administration (Kuching, Malaysia, 24-26 September 2024) – WG 8.5.

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✓ Joint Events in Partnership with UNCCD





















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#### Collaboration, Innovation and Resilience: Championing a Digital Generation



Kwabena Asiama (Chair)



Charles Atakora (Vice-Chair)

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**Eugene Chigbu** (WG 8.1 Chair)



James Kavanagh (WG 8.2 Chair)

# **Commission 8** Officers



Adrianna Czarnecka (WG 8.3 Chair)



Walter de-Vries (WG 8.4 Chair)



Abdullah Kara (WG 8.5 Chair)



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Commission 9 "Valuation and the Management of Real Estate"

Peter Ache, Chair of the Commission 9 /





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#### 1 month 13 month 15 minut Improving Transparency in Real Estate Markets WG 9.1/9.2 One Young **FIG Viewpoint:** Surveyors Transparency Goal Regular <u>WG 9.4</u> WG 9.3 in Real Estate Podcast Formalisation Digital Markets of informal Valuation for In progress: settlements Regional transparency WGs inline with UN Seven Working South Asia Online SDGs Collaborating Groups and Workshops MoU with the South with Transparency paths and IVSC Joint WG America and Valuation Valuation-Present (International with C3 Workshops in Valuation Associations Cyprus (2024, **Standard Council**) **Real Estate** 2025 ff. Prices become Geoinformation esri







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# **Brisbane Sessions**

One Goal

> Seven paths

Tue, 07/04, 2 pm, Boulevard 1 -----Transparency in Real Estate - Valuation and Trust -

Tue, 07/04, 4 pm, Plaza 9 ------Valuation of unregistered Land

Tue, 07/04, 5:30 pm, Plaza 10

**Commission 9 - Meeting** 

Tue, 07/04, 7 pm

-----

Commission 9 - Dinner

Wed, 08/04, 11:30 am Plaza 8

Innovations and Al in Valuation

Thu, 09/04, 11:30 am Plaza 5

Climate Change an Real Estate Values

Thu, 09/04, 4:30 pm Plaza 5

Property Extraction and Taxation

















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### COMMISSION 10 CONSTRUCTION ECONOMICS AND MANAGEMENT

### **REPORT TO FIG 48<sup>TH</sup> GENERAL ASSEMBLY**

Mercy lyortyer Commission 10 Chair Nigeria





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### **ACTIVITIES IN REVIEW**

#### **1. TECHNICAL SESSIONS OF WW 2024 CENTERED ON:**

- BIM for Surveyors (Pre-Conference Event)
- Smart Construction Approaches for Sustainable Development
- Digital Construction
- Profitable Management of Construction Projects

#### 2. COLLABORATON WITH PARTNERS, COMMISSIONS AND TASKFORCES:

- Commonwealth Association of Surveying and Land Economy (CASLE)
- International Cost Engineering Council (ICEC)
- > African Association of Quantity Surveyors (AAQS).

- Commission 9
- Diversity & Inclusion
- Sustainable Development Goals
- Climate Compass

#### **3. PUBLICATIONS & RESEARCH:**

- FIG Article of the Month: October 2024: The Emergence of the All Construction Performer to Drive Sustainable Construction and Internet of Thing (IoT): A Malaysian Perspective.
- **Solution:** Balancing Sustainability, Smart Cities and Digitization: Insights from a Quantity Surveyors Perspective
- AQSA Research & Education Conference: "Futuristic Built Environment: Transformative Effects of Artificial Intelligence and Digital Technology

#### 4. WEBINARS: i. Biophilic Design vs Sustainable Architecture: Navigating the Future of the Built Environment ii. Implementation of ICMS in Malaysia iii. The Mosque Between Tradition and Globalization

#### **5. COMMITTEE MEETINGS AND COMMITTEE DINNER**







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### **NEXT PLANS**



**Rwanda Institute of Quantity Surveyors** 

(RIQS) 2025 Conference - The need for

**Collaborative Surveying expertise for a** 

**ASEAN Quantity Surveyors Association -**

effect of Artificial Intelligence and Digital

**Technology, Malaysia, October 2025** 

sustainable and resilient built environment -

(AQSA) Research and Education Conference -

**Futuristic Built Environment, Transformative** 

- Capacity Building /Training on Costing of Sustainable Construction with International Cost Engineering Council (ICEC) in USA 2025
- Joint Workshops with Commonwealth Association of Surveyors and Land Economics **2025 (CASLE)**
- **UN Habitat World Urban Forum Conference** on Sustainable Construction November 2025
- **Publications**
- Webinars









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# **BRISBANE 2025 TECHNICAL SESSION PLANS**

- C10-1: NEXT GENERATION INFRASTRUCTURE: SUSTAINABILITY AND SMART SOLUTIONS
  - Monday 7<sup>th</sup> April 16.00 17.30
- C10-2: DIGITAL TRANSFORMATION STRATEGIES IN THE CONSTRUCTION INDUSTRY
  - Wednesday 9<sup>th</sup> April 14.00 15.30
- JOINT C10/C6: MODERN INFRASTRUCTURE DEVELOPMENT: INNOVATIONS AND MONITORING TECHNIQUES
  - Wednesday 9<sup>th</sup> April 16.00 17.30
- COMMISSION 10 ANNUAL MEETING : Tuesday 8<sup>th</sup> April, 17.30 18.30
- COMMISSION 10 DINNER : Tuesday 8<sup>th</sup> April, 19.00 22.30





















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### Motion:

# That the General Assembly adopts the reports of the Commission Chairs and records its thanks to the chairs and other officers of the Commissions for their ongoing contributions.







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# FIG Tuesday 08 April 17:30-18:30

All Ten Commissions will be hosting Open Meetings

- Meet the Commissions and their Working Groups
- Learn about their Workplans
- Get Involved with their activities
- National Delegates please identify yourself!

Tuesday 08 April17:30 – 18:30Commission Meetings

Check the Conference App for the Meeting Venue

# Commission Dinners – Pay For Yourself Tuesday 08 April – starting 19:00



**Location:** The Charming Squire 3/133 Grey Street, South Brisbane

**Commissions** 2, 7, 8

Location: The Plough Inn, 29 Stanley Street Plaza,

South Brisbane



LLh: -27.475676,153.019245,97 (WGS84) ///tables.eager.supply



Informal gathering, make new friends No registrations required

\*Vegetarian and vegan meals available







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