

**Applied Geoscience and
Technology Division (SOPAC)**

Private Mail Bag Suva
Mead Road Nabua, Fiji Islands
Telephone: (679) 3381377
Fax: (679) 3370040/3384461
www.sopac.org
Email: director@sopac.org
SPC Suva Regional Office



SPC Headquarters
BP D5
98848 Noumea Cedex
New Caledonia
Telephone: +687 26 20 00
Fax: +687 26 38 18

MISSION REPORT

Staff Member(s)	Salesh Kumar
Countries visited	Singapore
Programme	Coastal and Ocean Geoscience, Geoscience Division, Secretariat of the Pacific Community
Period	27 – 28 July 2015
Objectives	<p>The funding for the mission was covered by SPC and the International Committee on GNSS (ICG), ICG belongs to the United Nations office for Outer Space affairs (UN – OOSA).</p> <p>The main objective of the seminar was:</p> <ul style="list-style-type: none">• Focus on vertical reference frames, in response to requests from the region.
Activities Description	<p>The seminar focussed on the theory and practice of vertical reference frames. Topics covered included:</p> <ul style="list-style-type: none">• Introduction to Vertical Reference Frames• Time Dependence and Transformations• Airborne Gravity Data Collection and Analysis• International GNSS Service• Vertical Deformation• GNSS Heighting• Case Studies<ol style="list-style-type: none">1. Australia2. Hong Kong3. Japan4. New Zealand5. Singapore
Why is the activity important?	<ul style="list-style-type: none">• The seminar with its technical programme and social activities offered exciting and insightful programme with local and international practitioners, allied professionals and academics speaking on their field of expertise.• Building new and strengthening existing relationships and networking at local, regional and international levels.• Gaining knowledge of new and existing practice on the activities described above• Meeting the decision makers and doing business face to face, whereby various promotional opportunities were available that could benefit our organization.• Gaining insight into the broader spatial sciences industry.• Opportunity to implement work programmes, and also offered a dynamic and unique opportunity to strengthen our organizations exposure and to raise our profile and position.

Who benefits/stands to benefit from activity?	SPC and the participant
Problems encountered	No problems were encountered during this seminar
Follow Up	There are plans for a similar kind of seminar next year conjoined with FIG working week in Christchurch New Zealand from 2 – 6 May 2016. The theme of the FIG Working Week 2016 is “Recovery from Disaster”. This seminar is proposed to have a focus on datums, deformation and datum unification as well as covering the concepts of 3D and vertical reference frames.
Annexes	Annexe 1: Seminar program Annexe 2: Certificate of participation Annexe 3: Photo of participants