

**Report to the 41<sup>th</sup> General Assembly  
FIG Congress 2018, Istanbul, Turkey**

**FIG Asia Pacific Capacity Development Network**

**Report of Activities 2017-18 (Term 2015-18)**

**1. General**

The FIG Asia Pacific Capacity Development Network (AP CDN) was officially formed after the Christchurch Working Week in 2016. Prior to that considerable effort and contributions from FIG Commission 5 and 7 delegates to establish the basis of this network, and to support emerging economies in this region was prevalent. The foundations and assistance was through numerous Reference Frame workshops and related Small Island Developing States initiatives relating to geospatial information and fit for purpose infrastructure for responsible land governance.

The work plan for the FIG AP CDN was initially focused on addressing the technical geospatial and surveying challenges, and the related socio and economic matters pertinent to the Pacific, but as the issues are global in nature, the scope of this network was rapidly broadened to include Asian nations. To facilitate this need it was necessary to establish an operational framework for the region and this was achieved through significant liaisons, relationship building, and alignment of objectives with the United Nations Global Geospatial Information Management for Asia and the Pacific (UN GGIM-AP) Work Group (WG) 1 Geodetic Reference Frames, and like-minded agencies from various countries.

**2. Steering Committee**

The present steering committee of the FIG AP CDN comprises of –

- Dr. Matt Amos – International Association of Geodesy, Land Information New Zealand
- Mr. Neil Ashcroft – Leica Geosystems Singapore
- Mr. Graeme Blick – UN Sub-Committee on Geodesy, Land Information New Zealand
- Dr. John Dawson – UN GGIM AP, Geoscience Australia
- Mr. Nic Donnelly – FIG Commission 5, Land Information New Zealand
- Mr. Jens Kruger – Pacific Community Geoscience Division
- Mr. Mikael Lilje – FIG Vice President
- Mr. Faatasi Malologa – Pacific Geospatial and Surveying Council Chair
- Mr. Basara Miyahara – UN GGIM AP, Geospatial Information Authority of Japan
- Mrs. Molly Powers-Tora – Pacific Community Geoscience Division
- Mr. Rob Sarib – Surveying and Spatial Sciences Institute (Australia) and Chair of FIG AP CDN

### 3. Cooperation

To date the activities and success of FIG AP CDN can be attributed to the hard work and willingness to collaborate by its FIG participants; members from our sister organization the International Association of Geodesy (IAG); United Nation representatives from the GGIM AP, and International Committee on GNSS (ICG); individuals from government based agencies - Pacific Geospatial Surveying Council, Pacific Community - Geoscience Division, Geoscience Australia, Bureau of Meteorology (Australia), Land Information New Zealand (LINZ), Geospatial Information Authority of Japan, JUPEM - Department of Survey and Mapping, Malaysia; and professional surveyors from ASEAN Flag, Surveying and Spatial Sciences Institute (Australia), New Zealand Institute of Surveyors, Fiji Institute of Surveyors, and the Japan Federation of Surveyors.

### 4. Events

The significant workshops, seminars and meetings for the term 2015 to 2018 were –

- Vertical Reference Frame In Practice Seminar (FIG Commission 5) – Singapore, July 2015
- Pacific Geospatial Surveying Council meeting – Suva, Dec 2015
- Pacific GIS / RS Users Conference – Suva, Dec 2015
- Datum Unification and Kinematics Technical Seminar (FIG Commission 5) – Christchurch, May 2016
- Geospatial / GNSS CORS Infrastructure and Systems Forum – Kuala Lumpur, Oct 2016
- Pacific Heights Datum Workshop, Suva, Nov 2016
- Pacific Geospatial Surveying Council meeting – Suva, Dec 2016
- Pacific GIS / RS Users Conference – Suva, Dec 2016
- FIG AP CDN meeting – Helsinki, May/June 2017
- Reference Frame in Practice Seminar – Kobe, July 2017
- Geodetic Data Sharing Meeting – Kumamoto, Oct 2017
- ASEAN Land Governance Summit – Manila, Dec 2017

Please note the following are the upcoming events in 2018 that the AP CDN will be involved in –

- Pacific Geospatial Surveying Council meeting and Legal Policy and Frameworks Workshop (UN GGIM AP) – Tonga, April 2018
- FIG AP CDN Special Forum and meeting – Istanbul, May 2018
- Geodetic Data & Infrastructure for Disaster or Emergency Response Management, Environmental Geo-Hazards Monitoring – Manila, mid 2018
- Geodetic Reference Frames Workshop (UN GGIM AP) – Deqing (China), Nov 2018
- UN ICG GNSS Workshop – Nadi, late 2018

### 5. Communication and publications

Reports on the outcomes / activities from events, as well as news and publications, can be found at the FIG AP CDN website - [http://www.fig.net/organisation/networks/capacity\\_development/asia\\_pacific/index.asp](http://www.fig.net/organisation/networks/capacity_development/asia_pacific/index.asp)  
Please note, the support and assistance from the FIG Office to manage and administer these webpages and the AP CDN is greatly appreciated.

## 6. Accomplishments and Challenges

From a work plan perspective, the FIG AP CDN has achieved the following –

- Establishment of an operational network of geospatial and surveying professionals to assist countries with the geospatial trends and capacity development challenges with respect to geospatial information and infrastructure.
- Assisted with the creation of a 10 year Positioning Strategic Plan for the Pacific Island Countries and Territories (PICTs).
- Facilitated capacity development initiatives for the Asia Pacific Reference Frame (APREF) in conjunction with the UN GGIM AP Working Group 1 – Reference Frames.
- Provision of advocacy to Asia and the Pacific geospatial industry through workshops, technical and professional advice, a website, and active attendance to meetings or events in the regions.
- Maintained and enhanced the profile of the FIG in Asia and the Pacific.

For the future, the challenges for AP CDN is to (a) assist with the capacity development of surveyors to manage the regional issues and trends affecting geospatial information and infrastructure, and (b) facilitate discussions on how to balance available resources and priorities to achieve geospatial objectives.

