

## FIG ASIA PACIFIC REGIONAL NETWORK

### Work Plan 2023–2026

#### 1. General

The origins of the FIG Asia Pacific Regional Network emerged at the FIG Pacific Small Island Development Symposium (SIDS) held in Lami Bay Suva – Fiji, September 2013. The network officially formed in response to the Suva Statement on “Spatially Responsible Governance”, and after the Christchurch (New Zealand) Working Week in 2016.

Overtime the network has become known as the FIG Asia Pacific Capacity Development Network (AP CDN). The network’s remit and audience has varied and interchanged, as our attention to build capacity and capability for geospatial reference systems has also diversified into providing similar advice for surveying and geospatial information management. As a consequence, the FIG AP CDN membership has expanded and consists of participants from our Commissions, the corporate sector, professional associations, academic networks, our sister organisations, and affiliated government agencies involved with geodesy, surveying, mapping, and geospatial information management.

For this work plan, the main purpose of the FIG AP CDN is provision of specialist advice and support to develop the capabilities and capacities required to modernise geospatial survey infrastructures (GSIs) in the Asia Pacific region, and for countries to establish for fit for purpose GSIs that realise responsible land governance, administration, management in multiple environments.

To put the above into context –

- Geospatial Survey Infrastructure – comprises of people, hardware, technology, software, work processes, standards and practices, legal and policy frameworks, and the geodetic reference frame (co-ordinate system or datum) underpinning spatial data.
- Capacity development means - improving the foundations of a geospatial survey organisation (GSO), such as infrastructure, resources, and systems that enable the GSO to achieve the business objectives. It also includes understanding the impediments to development, establishing a GSO culture and environment that facilitates the achievement of sustainable development outcomes, and consists of relevant policies, legal frameworks, as well as financial and technical programs.
- Capability development means enhancing the necessary skills, knowledge, and resources that enable individuals within the GSO to undertake tasks and activities to achieve business objectives, as well as personal goals. To ensure the success of capability development, a program that identifies the challenges, capabilities, as well as strategies, plans and implementation pathways to build specific capabilities is a necessity.

The activities of FIG AP CDN also are focused on (a) addressing the technical and administrative GSI challenges, and (b) advocating how GSIs can influence the socio and economic issues being faced today.

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To deliver these remits, and to support GSI workshops, seminars and meetings, FIG AP CDN will rely on the will to succeed, significant collaboration and relationship building with like-minded agencies and professional bodies, engendering local leadership and action on GSI capacity and capability, and the alignment or harmonisation of expectations, wants and needs with the broader objectives of a country's government.

## 2. Our Mission

Professionals and their organisations have the capacity and capability to modernise GSIs and to address the future geospatial and survey challenges.

## 3. Our Outcomes

- Capacity and capabilities of professionals are developed through formal and informal alliances and relationships with relevant like-minded bodies or development partners.
- Communities are self-reliant, have a culture of learning and innovation, and comprise of a blend of mature and young professionals, and gender.
- Regional issues and challenges are resolved by a regional, unified, coordinated and collaborative approach.
- FIG profile and membership in the Asia Pacific region is enhanced
- Objectives of the regional group Pacific Geospatial Surveying Council (PGSC) Strategy 2017-2027 “Positioning the Pacific Islands Countries and Territories for the Future” are progressed
- A strategy to regionalise capacity and capability development in the south east Asia region is developed.
- Capacity and capability activity is recognised as an integral part of an organisation's business
- Geospatial and surveying professionals are contributing to the measurement and monitoring of the United Nations (UN) Sustainable Development Goals (SDGs).

## 4. Our Activities

- Identifying and evaluating the essential capacity and capabilities of geospatial and surveying community.
- Providing technical, administrative and professional advice and support, through organising, facilitating and actively participating in -
  - Discussion forums
  - Meetings
  - Seminars / Workshops
  - Technical Sessions
- Advocating, and sourcing material that demonstrates the importance of the GSI, and its professionals, to the broader community, stakeholders and decision makers.

- Encouraging co-operation and collaboration between countries, like-minded agencies, donor and / or funding organisations, and related professions, through partnerships and agreements.
- Connecting and engaging professional networks from traditional and non-traditional industry sectors.

## 5. Our Performance

The success of the FIG AP CDN to improve GSI capacity and capability will be measured on the effectiveness of our activities to –

- Deliver support to the Pacific Island Countries and Territories (PICTs) and PGSC with their strategic and implementation plans.
- Engage better with countries from the south east Asia region
- Participate in forums, meetings, seminars / workshops, and technical sessions.
- Ensure more consistent inclusion and assistance from both the academia and corporate sector.
- Assist with the preparation of regional, sub regional, country or organisation based strategic / implementation / operational plans.
- Provide advice and advocate UN initiatives, such as the Global Geodetic Reference Frame, Integrated Geospatial Information Framework, and the Global Geodetic Centre of Excellence.
- Discover existing GSI capacity and capability building material, and suitable platforms for portals to share knowledge, experiences and ideas.
- Work with educational institutions to explore how core competencies for GSI can be provided and recognised.
- Conceptualise a framework or mechanism that will support mutual recognition of GSI qualifications between countries in a region
- Source communication material / fact sheets that explains the importance and value of GSIs
- Create information that clarifies the role of FIG AP CDN and its partners.
- Contribute and collaborate with FIG Commission 5 on the Reference Frame in Practice workshops, and the revision and updating of the FIG Publication - Reference Frame in Practice Manual.

## 6. Network Members

Dr. Matt Amos - IAG, LINZ	Dr. Ryan Keenan – FIG Commission 5, UN SCoG ETCD, UN GGCE - IAC
Mr. Neil Ashcroft - Leica Geosystems	Mr. Andrick Lal - PGSC, Pacific Community
Mr. Brent Jones - ESRI	Dr. Suelynn Choy – FIG Commission 5, IAG
Ms. Rosamond Bing - PGSC Chair, Tonga Gov.	Mr. Mikael Lilje - FIG Vice President
Mr. Graeme Blick - UN SCoG, LINZ	Mr. Basara Miyahara - UN GGIM AP, Geospatial Information Authority of Japan

Ms. Allison Craddock - UN SCoG - ETCD, IGS	Mr. Gerry Ong - ASEAN Flag
Mr. Nicholas Brown - Geoscience Australia	Mr. Asakaia Tabua - PGSC, Fiji Gov.
Dr. John Dawson – Geoscience Australia	Ms. Molly Powers - National Institute of Water and Atmospheric Research (NIWA)
Dr. Nic Donnelly - FIG Commission 5, LINZ	Dr. Dan Roman – UN SCoG, NOAA - NGS
Mr. Viliami Folau - PGSC, Tonga Gov.	Ms. Kate Fairlie – FIG, Land Equity International
Ms. Sharafat Gadimova - UNOOSA ICG	Mr. Lee Hellen - Geospatial Council of Australia
Ms. Meizyanne Hicks - PGSC Vice Chair	Mr. Rob Sarib - FIG AP CDN, Geospatial Council of Australia
Mr. Matt Higgins – GNSS Expert	Mr Noor Raziq – Lecia Geosystems
Mr. Ady Ruchiatan – President ASEAN Flag	Dr. Chris Rizos – GNSS Expert

## 7. Our Partners

The activities of the FIG AP CDN will occur through cooperation and collaboration with individuals or working groups affiliated with our sister organisations, such as –

- International Association of Geodesy (IAG);
- International GNSS Service (IGS);
- UN Office of Outer Space Affairs - International Committee on GNSS (OOSA ICG);
- UN Global Geospatial Information Management Asia Pacific (GGIM AP);
- UN Sub-Committee on Geodesy – Education Training Capability Development (SCoG - ETCD);
- UN Global Geodetic Centre of Excellence (GGCE); and
- Group on Earth Observations (GEO)

FIG AP CDN will also cooperate and collaborate with professional associations and government-based agencies, namely –

- Pacific Geospatial Surveying Council (PGSC);
- Pacific Community (SPC) - Geoscience Energy Maritime Division (GEM);
- Geoscience Australia;
- Bureau of Meteorology (Australia);
- Land Information New Zealand (LINZ);
- Geospatial Information Authority of Japan;
- JUPEM - Department of Survey and Mapping, Malaysia;
- Ministry of Lands & Natural Resources – Tonga;
- Ministry of Lands and Mineral Resources – Fiji;
- ASEAN Flag country members;
- Geospatial Council of Australia;
- Surveying and Spatial New Zealand;
- Fiji Institute of Surveyors;
- Japan Federation of Surveyors; and

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- National Oceanic and Atmospheric Administration (NOAA) – includes National Geodetic Survey (NGS) and Office of Coast Survey (OCS)

## 8. Key Network Contacts

For further information and how to be active in FIG AP CDN please contact

Ms. Allison Craddock: [craddock@igs.org](mailto:craddock@igs.org)

Mr. Andrick Lal: [andrickl@spc.int](mailto:andrickl@spc.int)

Mr. Basara Miyahara: [miyahara-b96ip@mlit.go.jp](mailto:miyahara-b96ip@mlit.go.jp)

Mr. Dan Roman: [dan.roman@noaa.gov](mailto:dan.roman@noaa.gov)

Mr. Rob Sarib: [rob.sarib@gmail.com](mailto:rob.sarib@gmail.com)

Dr. Ryan Keenan: [ryan.keenan@me.com](mailto:ryan.keenan@me.com)