

# ***FIG Asia Pacific Capacity Development Network***

*Report to the 41th General Assembly  
FIG Congress 2018, Istanbul - Turkey*

*Rob Sarib – Chair*



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



# FIG Asia Pacific Capacity Development Network (AP CDN)



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



## *Story of the “FIG AP CDN”*

- Officially formed after the Christchurch Working Week in 2016
- Prior to - Considerable effort and contributions from FIG, IAG, UN GGIM AP, government agencies, and professional organisations to establish the network’s foundations, and to support emerging economies in this region
- *Various reference frame in practice & geospatial infrastructure workshops*
- Numerous *Small Island Developing States* land admin initiatives -
- Relating to *geospatial information and fit for purpose infrastructure for responsible land governance.*

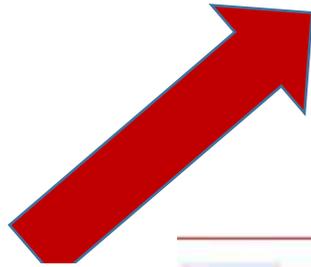
# Our Collective Mission / Outcome



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



*“Responsible governance frameworks and integrated administrative systems of tenure (rights and interests) for land and marine, are underpinned by sustainable fit for purpose geospatial survey infrastructure and information management”*



**Modernisation !**



# Our Outputs / Indicators



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



- Geospatial scientists and surveyors, have ***the capability to address the regional social, economic, environmental and technological challenges***
- Activities have progressed through ***alliances and relationships*** with relevant like-minded bodies and / or development partners.
- We are ***self-reliant and have a culture and environment of learning, innovation, a blend of mature and young professionals, and a gender equity base***
- Challenges are resolved by a ***regional, unified, coordinated and collaborative approach***

# Role of the AP CDN



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



- An ***independent advocacy*** role to the Asia Pacific geospatial and surveying community
- Provision of ***technical, administrative and professional support and information***
- ***Organise, facilitate and actively participative*** in -
  - Discussion forums
  - Meetings
  - Seminars / Workshops
  - Technical Sessions
- Encourage ***co-operation and collaboration***
- ***Connecting*** and ***engaging*** professional networks



# Activities of the AP CDN



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



- Datum Unification and Kinematics Technical Seminar (FIG Comm 5) and Pacific Geospatial Surveying Council (PGSC) Meeting – FIG WW Christchurch, May 2016
- Geospatial / GNSS CORS Infrastructure and Systems Forum, UN GGIM AP Plenary – Kuala Lumpur, Oct 2016
- Pacific Heights Datum Workshop, Suva, Nov 2016
- Pacific GIS / RS Users Conference and PGSC Meeting – Suva, Dec 2016
- AP CDN meeting – FIG WW Helsinki, May/June 2017

# Reference Frame in Practice Seminar - Kobe July 2017



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



Provision of fundamental geodetic reference frame theory and concepts; examination of the associated data; practical implementation and applications - with respect to earth dynamics and deformation

# Reference Frame in Practice Seminar - Kumamoto Oct 2017



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



A meeting to workshop - the benefits and opportunities of sharing data; data sharing and open data policies; licencing agreements (such as *UN-GGIM Compendium on Licensing Geospatial Information*); geodetic data types and formats; data sharing challenges and solutions; the way forward

**Resolution - <http://www.un-ggim-ap.org/meetings/pm/6th/201707/W020171105036017474658.pdf>**

# Land Governance Summit – Manila Dec 2017



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



The summit theme was “Aligning Competencies Toward Sustainable Good Land Governance”. 26 presentations over two days of two parallel sessions; covered topics on geodetic and cadastral infrastructure or systems development, land administration and management, land surveys for development, and local government geomatic activities. An ASEAN Flag Council meeting was held in conjunction with this event.

# PGSC and UN GGIM Meeting – Nuku'alofa, Tonga April 2018



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



Launched the 10 year Strategic Plan to “Position the Pacific Island Countries and Territories for the Future” ; the UN GGIM International Workshop on Legal & Policy Framework for Geospatial Information

[http://ggim.un.org/meetings/2018-International\\_Workshop\\_Tonga/documents/Nukualofa\\_Summary\\_Statement.pdf](http://ggim.un.org/meetings/2018-International_Workshop_Tonga/documents/Nukualofa_Summary_Statement.pdf)

# Special AP CDN Forum in Istanbul



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



OPEN FORUM - **MONDAY 7 May starting at 1600. Room - EMIRGAN HALL 1**

Flash presentations -

- Challenges and Trends
- Role of Manufacturers
- Land Administration
- Future plans
- Case Studies
- Surveying Profession
- Qualifications, Mutual Recognition
- Capacity Building programs
- Surveying in the Digital World

Discussion –

- What are the priorities of our network?
- How can these be achieved?
- Who needs to be involved?

**ALSO an UN led Education and Capacity Development & Training forum on Monday at 1430 in Room YILDIZ 1.**



# FIG AP CDN Events in 2018

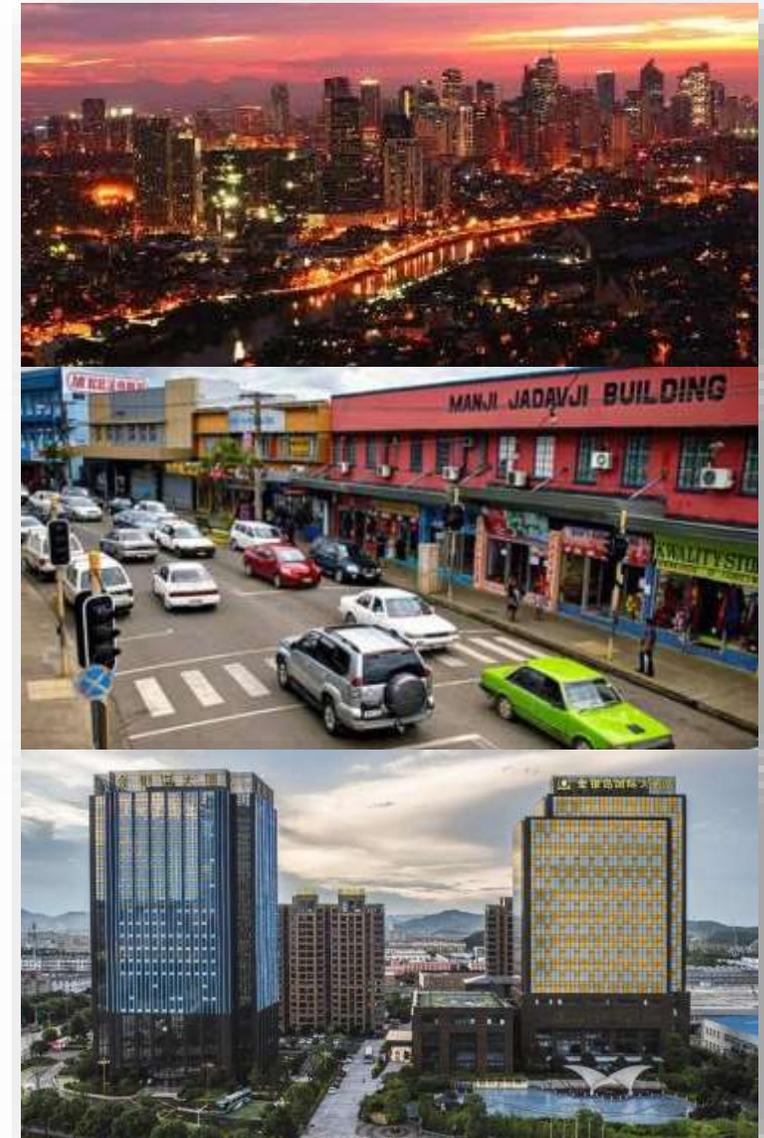


06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



Future collaboration and co-operation with UN GGIM AP at upcoming events -

- **Manila, Philippines** (?) - Geodetic Data and Infrastructure for Disaster or Emergency Response Management, and Environmental Geo-Hazards Monitoring, *early to mid 2018*
- **Nadi, Fiji** (?) - Pacific Geospatial Survey Council Meeting; GIS / RS Users Conference *late 2018*
- **Deqing, China** (?) - UN GGIM AP Plenary Meeting ; Capacity Building Workshop 19-21 November 2018



# Achievements



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



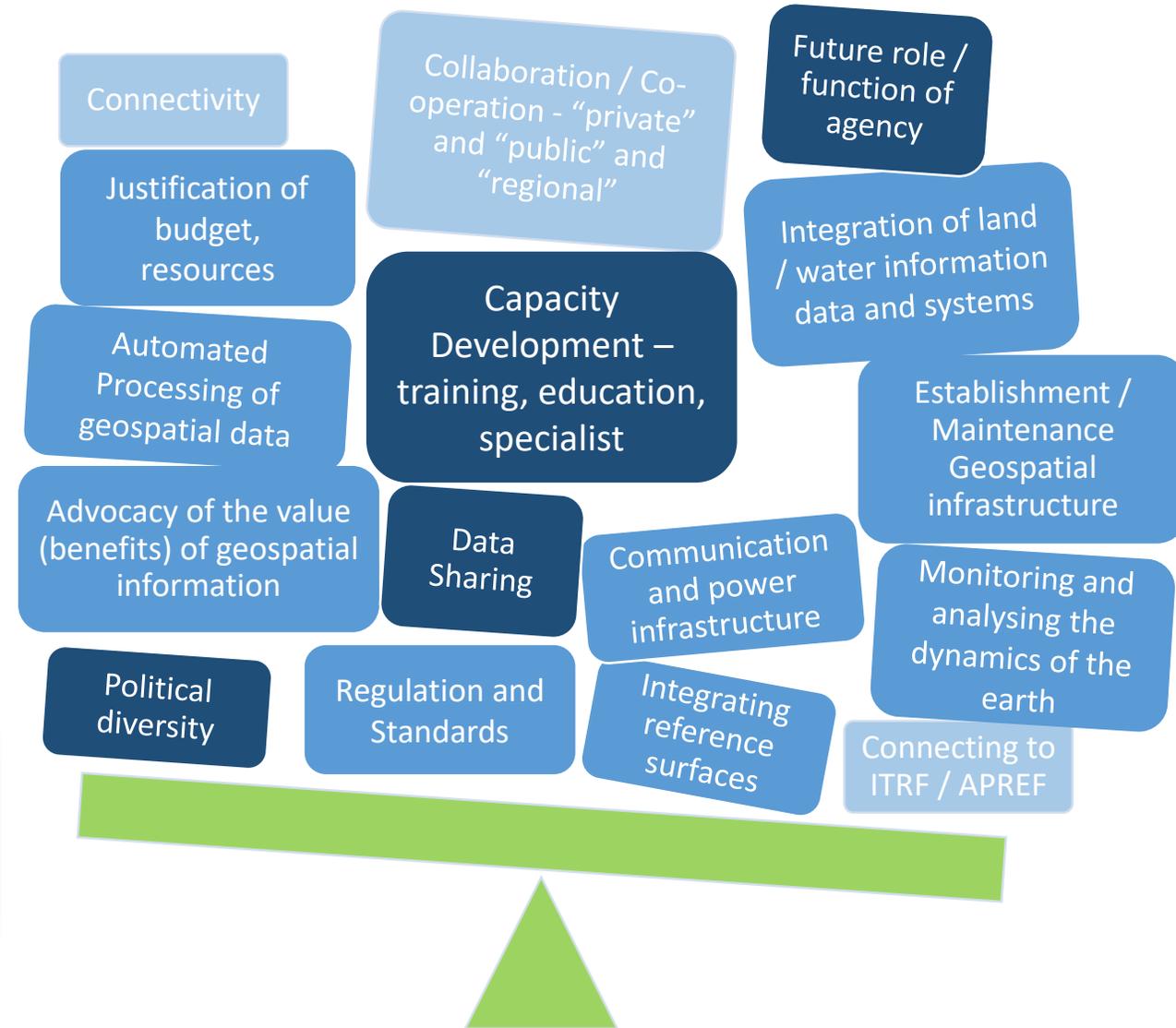
- Identified the geospatial information trends and challenges / capacity development needs
- Establishment of an operational network of geospatial and surveying professionals
- Assisted with the creation of a 10 year Strategic Plan to position the Pacific Island Countries and Territories (PICTs) for future.
- Facilitated capacity development initiatives for the Asia Pacific Reference Frame (APREF) in conjunction with the UN GGIM AP Working Group 1 – Reference Frames.
- Provided an advocacy role 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.



# The Challenges



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



Technical, Organisational,  
Data, People, Standards?

Balancing the  
PRIORITIES?

# The Key – Successful Partnerships!



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



Different organisations who represent a diverse group of members  
BUT we work

*collaboratively and co-operatively* towards a **common** mission and vision.

Our roles, our “members”, and our objectives **are strategically aligned** to ensure our finite resources are used wisely.

# Origins of Collaboration



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



*Rome* 2012 FIG WW - RFIP

*Manila* (Philippines) 2013 - RFIP

*Suva* 2013 SIDS - RFIP

*Kuala Lumpur* 2014 FIG Congress - Forums

*Singapore* 2015 – Vertical RFIP



# The Future – Asia Pacific Region Capacity Development Plan



06-11 MAY 2018  
EMBRACING OUR SMART WORLD  
WHERE THE CONTINENTS CONNECT:  
ENHANCING THE GEOSPATIAL  
MATURITY OF SOCIETIES



***Collaboration is the KEY !  
Our geospatial future is in our hands***

***Consolidate our network*** to consider  
***TO WHAT END*** do we need to develop our  
capacity? What will be its purpose? Drivers –  
social, economic, political?

***WHOSE*** capacities need to be developed?  
Which groups or individuals need to be  
empowered? Local / Regional?

***WHAT KINDS*** of capacities need to be  
developed to achieve the broader  
development objectives? Technical & Non-  
technical?