

FIG Asia Pacific Capacity Development Network

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

Rob Sarib – Chair



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FIG Asia Pacific Capacity Development Network (AP CDN)



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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.*

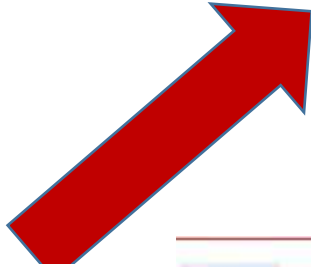
Our Collective Mission / Outcome



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“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



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- 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



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- 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



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- 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



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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



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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



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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



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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

Special AP CDN Forum in Istanbul



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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

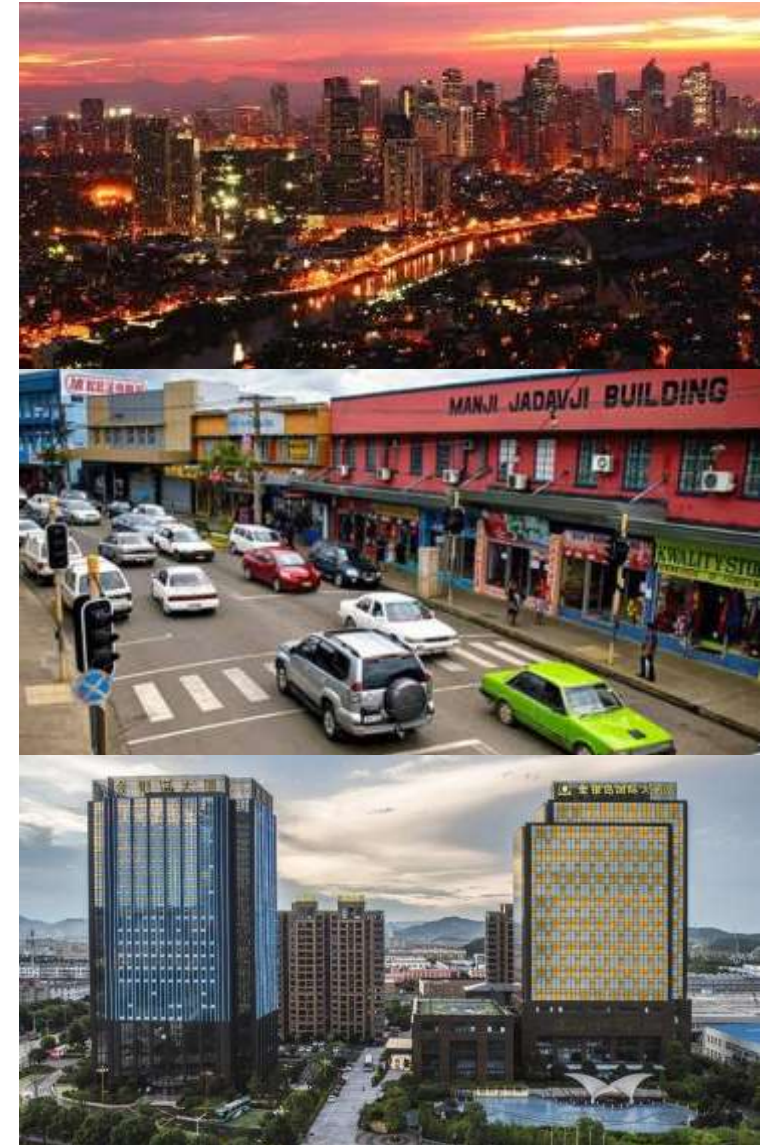


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Future collaboration and co-operation with UN GGIM AP at upcoming events -

- **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



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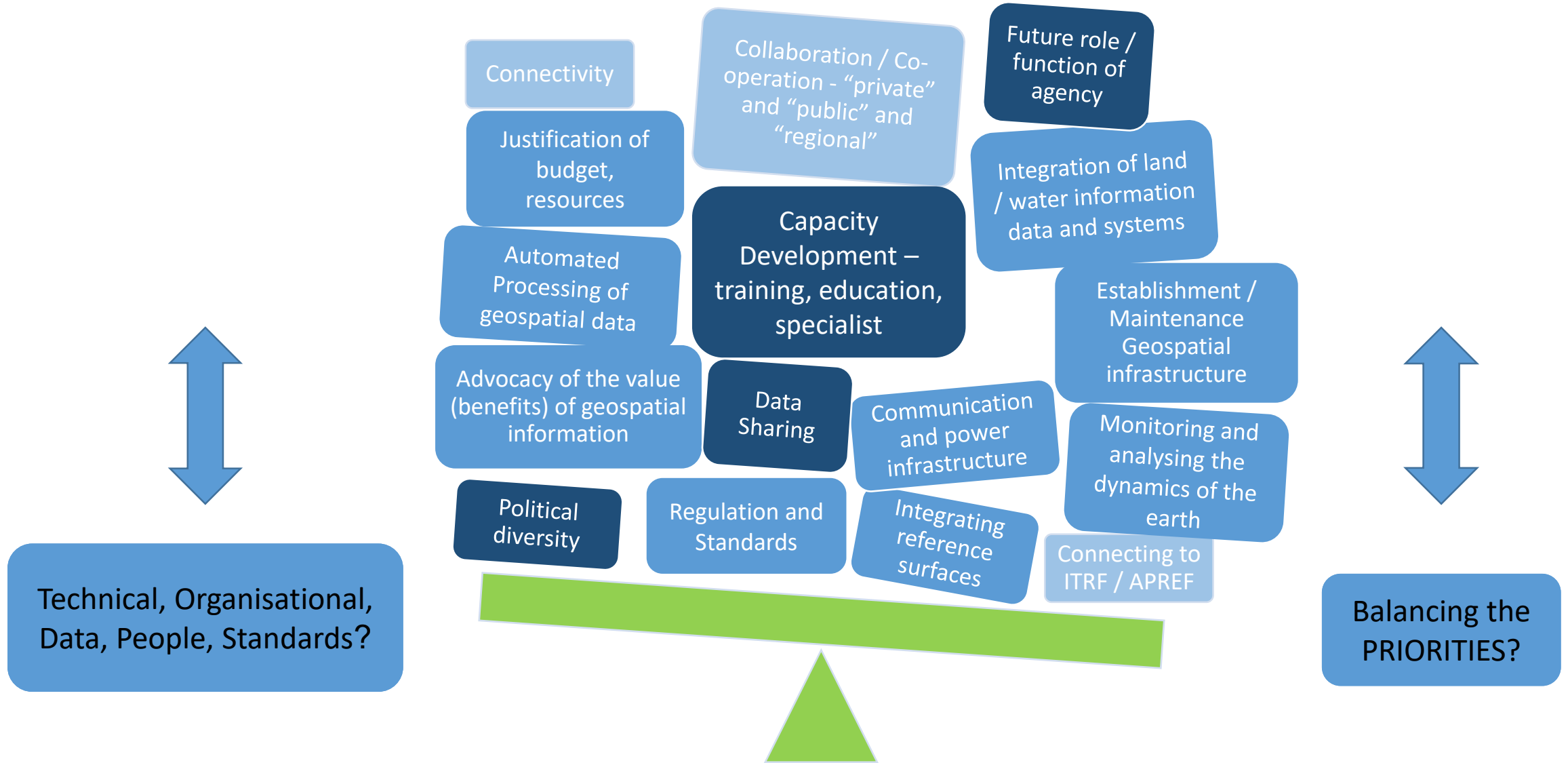
- Identified the geospatial information trends and challenges / capacity development needs
- Establishment of an operational network of geospatial and surveying professionals
- Assisted with the creation of a 10 year Strategic Plan to position the Pacific Island Countries and Territories (PICTs) for 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



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The Key – Successful Partnerships!



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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



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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



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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?

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

