International Fédération of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

Asia Pacific Capacity Development Network

FIG AP CDN Report

Dr. Ryan Keenan & Rob Sarib

UN-GGIM-AP
REGIONAL COMMITTEE OF UNITED NATIONS GLOBAL GEOSPATIAL INFORMATION MANAGEMENT FOR ASIA AND THE PACIFIC

The International Federation of Surveyors (FIG)

Established in Paris 1878;

Federation of national associations;

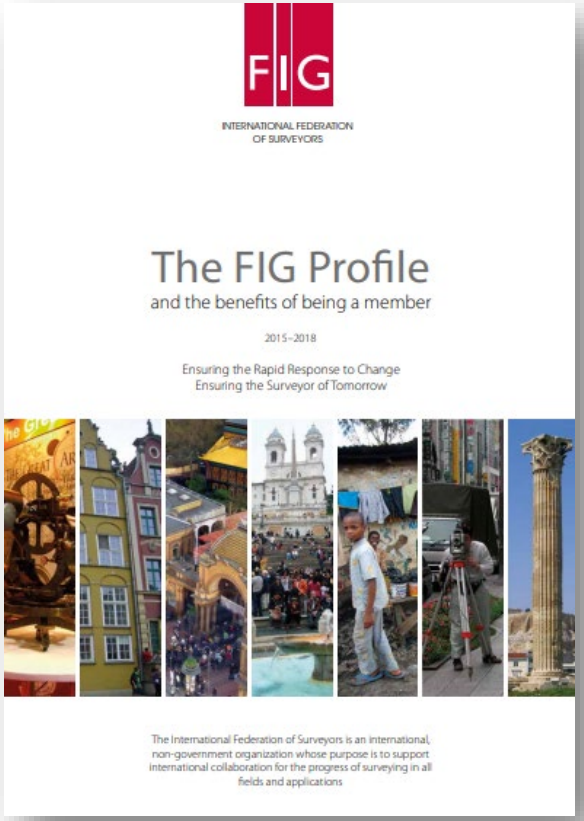
Represents all surveying disciplines;

UN-recognised non-government organisation (NGO);

Its aim is to ensure that the disciplines of surveying and all who practise them meet the needs of the markets and communities that they serve;

It provides an international forum for discussion and development aiming to promote professional practice and standards

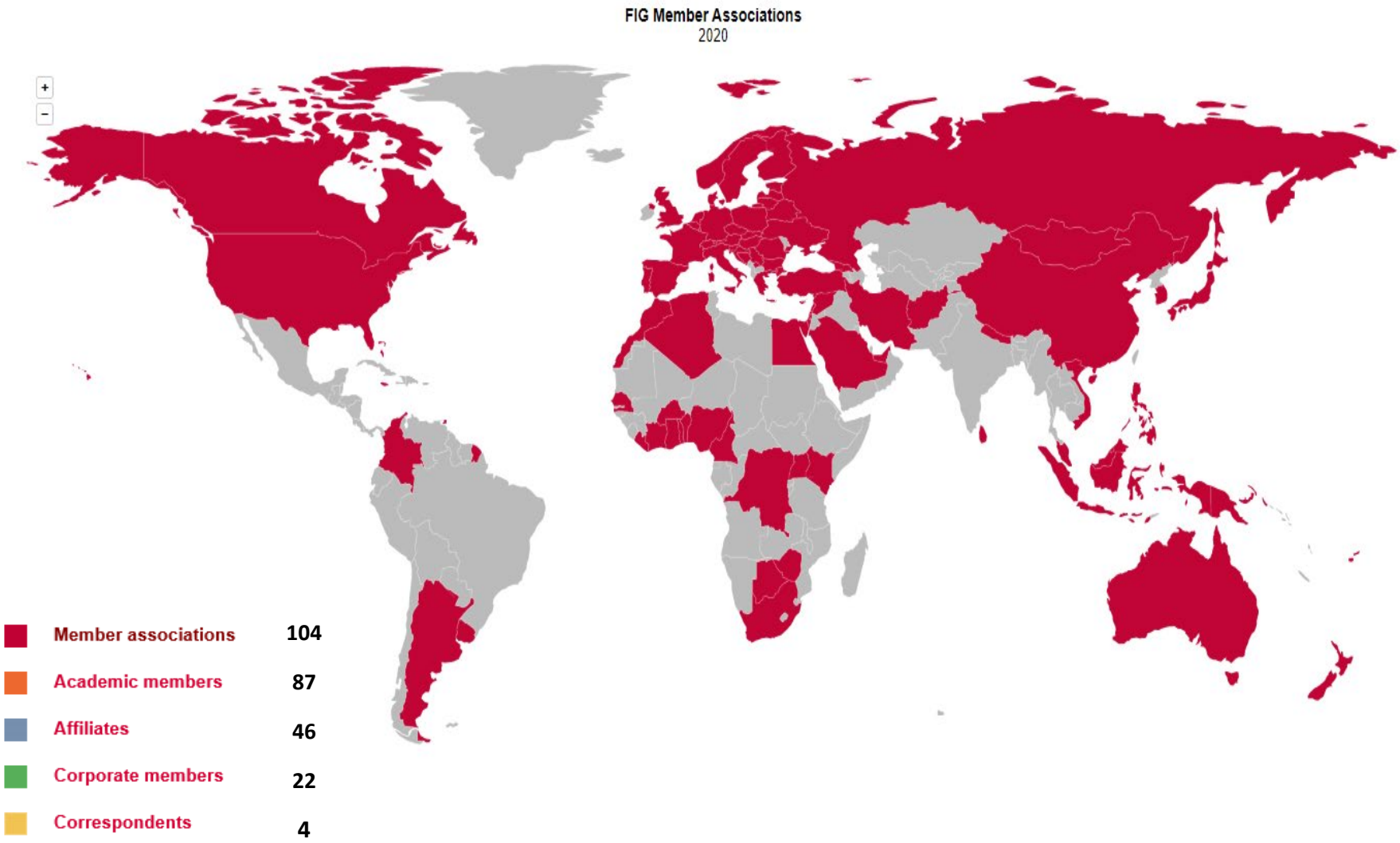
Liaise with like minded organisations



https://www.fig.net/

IAG ICG UN-GGIM UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

The International Federation of Surveyors (FIG)



Through different membership categories over 115 countries are represented in FIG and more than 250 000's professional surveyors

The International Federation of Surveyors (FIG)

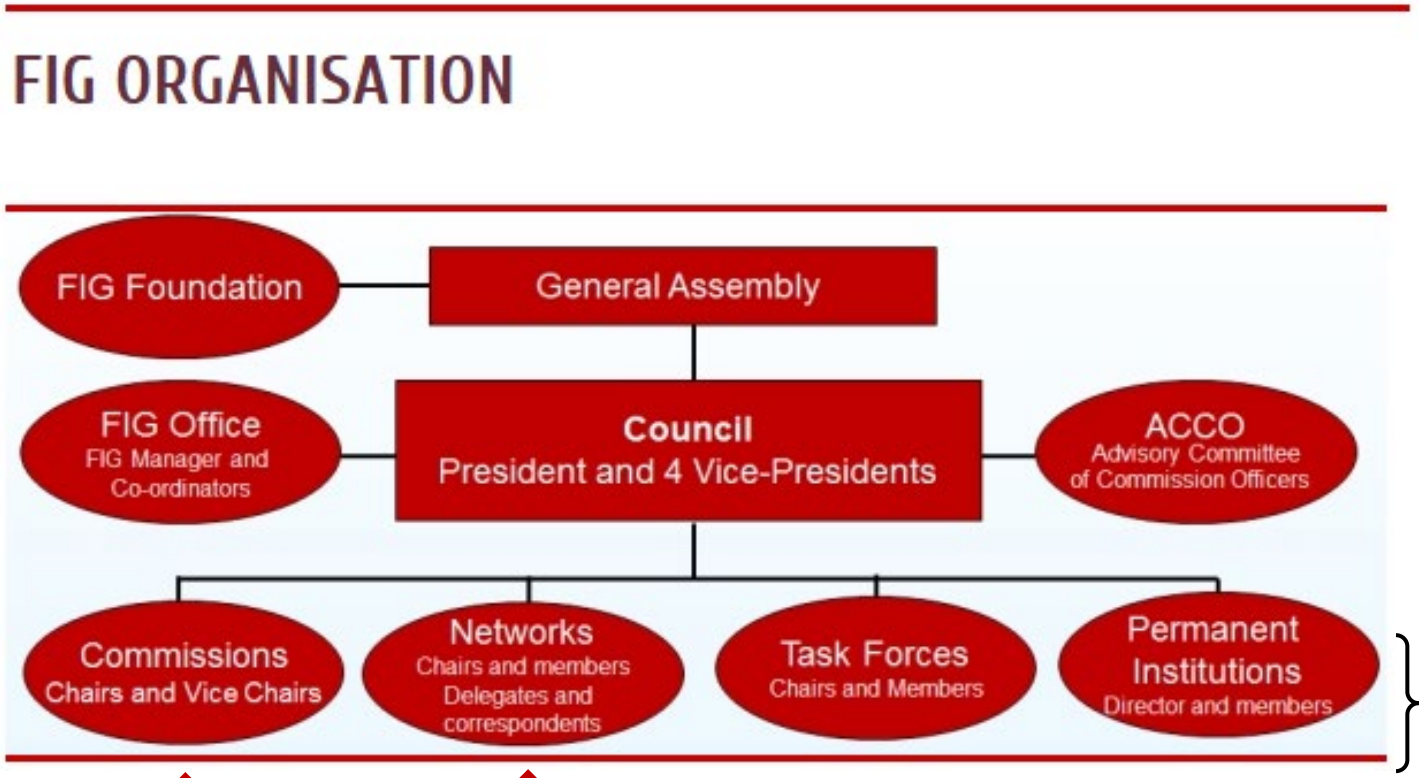


FIG Engine room

FIG Engine room

Commission 5 - Positioning and Measurement

Asia Pacific Capacity Development Network – "AP CDN"

UN-GGIM
UNITED NATIONS INITIATIVE ON GLOBAL GEOSPATIAL INFORMATION MANAGEMENT

WG 1 Reference Frames UN SCoG / ETCB

FIG Asia Pacific Capacity Development Network

Good Will and Volunteerism is NOT Sustainable

Formalise collaboration / co-operation - *Shared objectives and expectations ; Defined roles and responsibilities ; Measurable benefits and value ; Shared commitment*

FIG Asia Pacific Capacity Development Network

Co-operate with organisations who represent a diverse group of members

*Work **collaboratively** to build the **capabilities** of geospatial and surveying professional to meet the **challenges of the future***

FIG AP CDN – Capabilities to be Developed

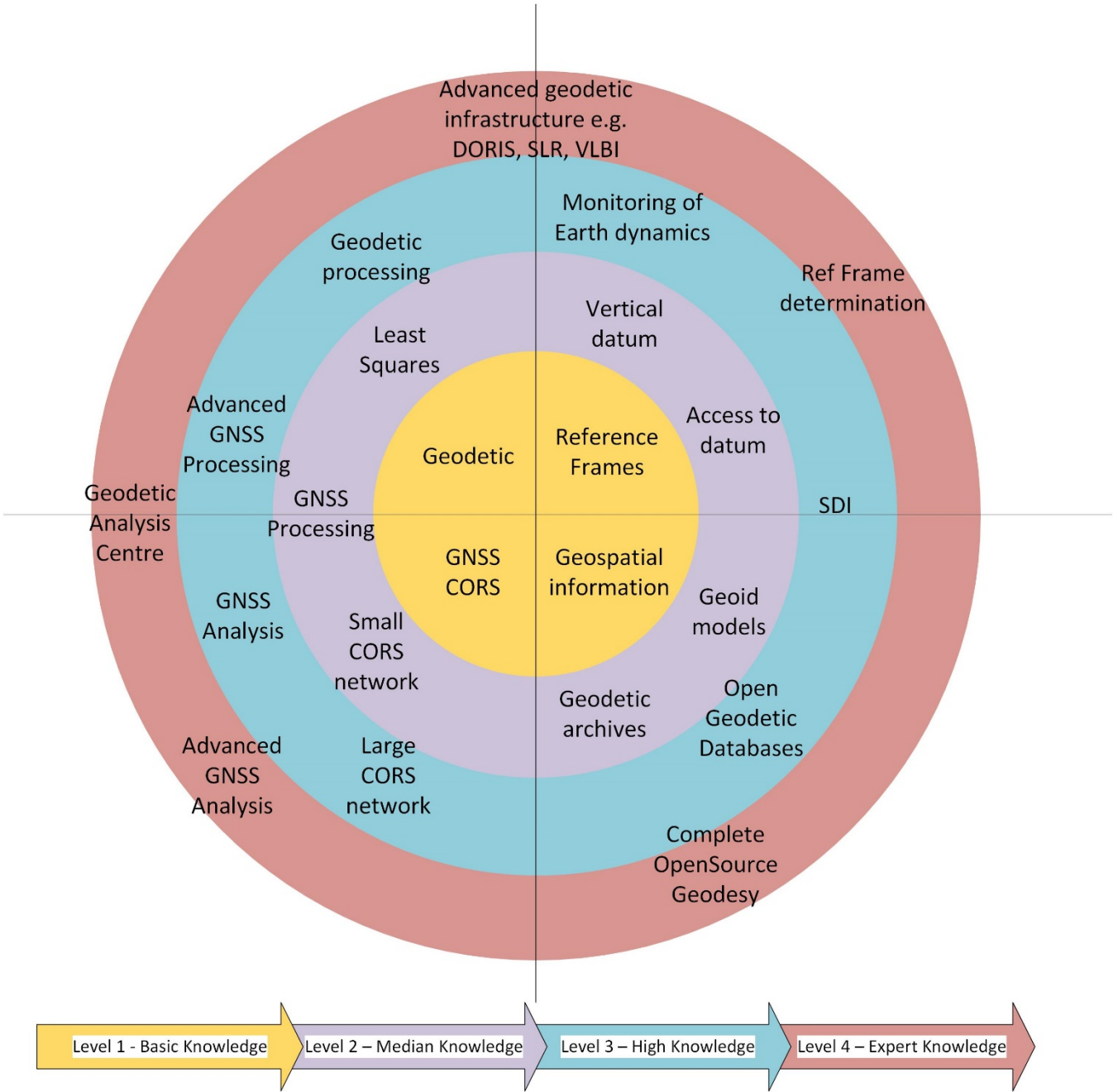


FIG AP CDN – Delivery of Capacity Development

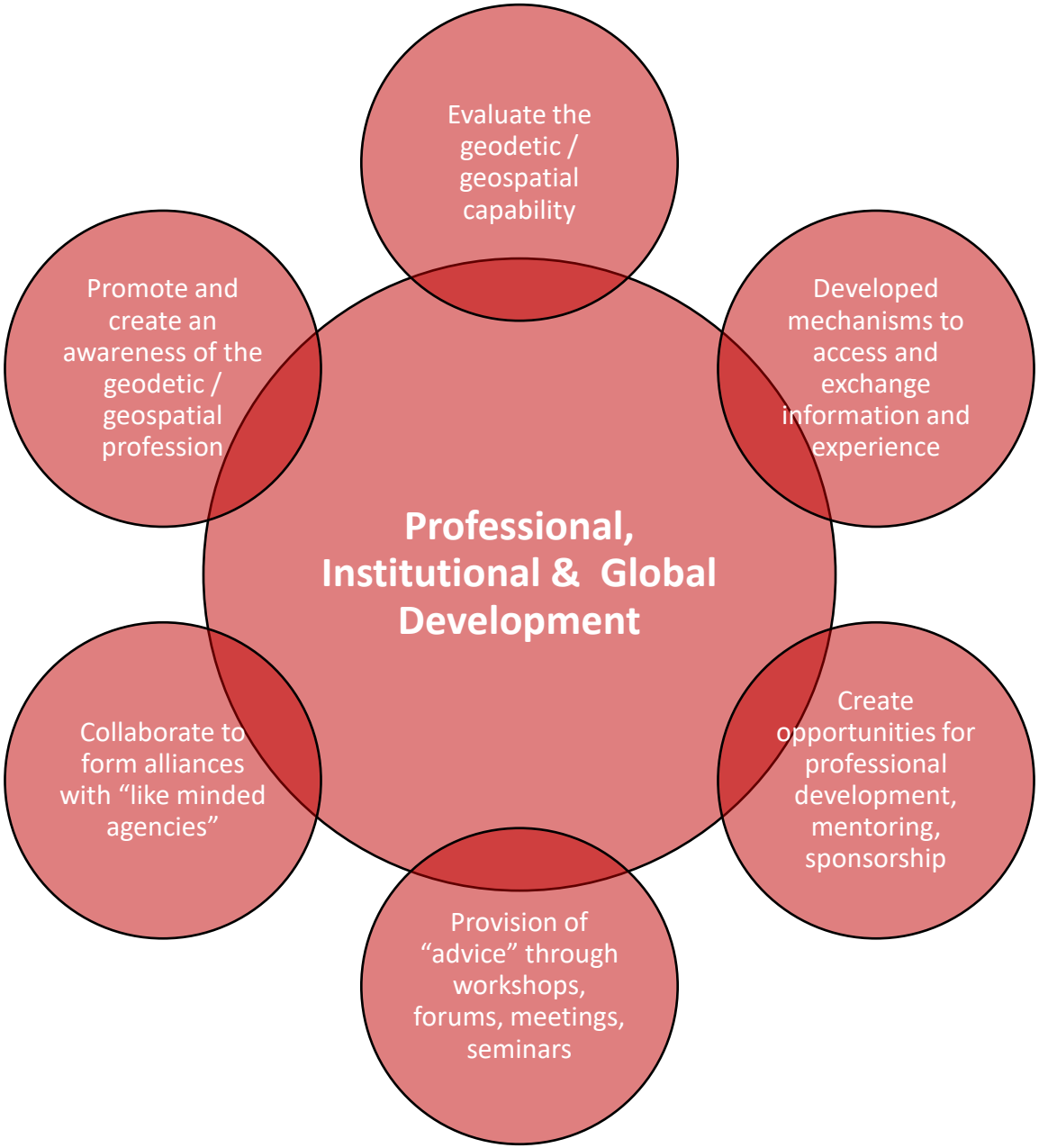


FIG AP CDN – 2020 Activities

- **UN Global Geodetic Centre of Excellence – Progress from the UN-GGIM Sub Committee on Geodesy** - Martin Lidberg (Sweden), Laila Loevhoeiden (Norway), Nicholas Brown (Australia), Johannes Bouman (Germany) and Jorgensen Anne (Norway)

- **A Global Survey of Reference Frame Competency in terms of Education, Training and Capacity Building (ETCB): Results, Analysis and Update** - Ryan Keenan (Australia), Allison Craddock (USA), Mikael Lilje (Sweden), Robert Sarib (Australia) and Graeme Blick (New Zealand)

- **Capacity Development Program for a Modernised Geodetic Framework -**Robert Sarib (Australia)

https://www.fig.net/fig2020/technical_program.htm

FIG AP CDN – 2020 Activities

March/April 2020 International Issue

VOLUME 19 - ISSUE 2

https://flickread.com/edition/html/index.php?pdf=5e54f8b386d1d#24

FIG AP CDN – 2020 Activities

September 2020 International Issue

VOLUME 19 - ISSUE 5

https://flickread.com/edition/html/index.php?pdf=5f466278e266a#28

HOW READY ARE GEODETIC SURVEY ORGANISATIONS TO MODERNISE THEIR NATIONAL GEODETIC REFERENCE FRAMES? RESPONSES TO A UN QUESTIONNAIRE REVEAL THE CHALLENGES, AS WELL AS POTENTIAL SOLUTIONS.

RYAN KEENAN AND **ROB SARIB** CRUNCH THE NUMBERS

FIG AP CDN – 2020 Activities

- Report - https://www.councilpacificaffairs.org/news-media/pacific-calls-for-integrated-geospatial-information-management/
- Technical Papers - http://pgsc.gem.spc.int/5th-meeting-papers/
- PGSC Meeting Outcome - http://pgsc.gem.spc.int/wp-content/uploads/2020/09/PGSC-5-Outcome-statement-and-declaration-Final-1.pdf

FIG AP CDN – Future Activities and Initiatives

- Advocate the importance of modernising a geodetic datum
- Discover flexible, agile and accessible means to share technical knowledge / experiences
- Demonstrate the benefits of capacity development and collaboration
- Resolve capability and administrative challenges
- Work with FIG African Regional Network and other 'like' regional bodies (ie SIRGAS)
- Development of a new FIG AP CDN website
- Leverage partnerships and opportunities to find new pathways for professional development

FIG AP CDN – Liaisons with UN GGIM AP / SCoG ETCB

- Promote to countries that organisational change, capacity building, and integrated action planning, based on the UN GGIM Integrated Geospatial Information Framework (IGIF) will:
  - Reduce the digital divide and technical skills gap between the developed and emerging economies,
  - Achieve the Sustainable Development Goals, and
  - Better management of disasters before, during and after.
- Support the development of the:
  - Geodetic and Positioning thematic layer for the implementation of the IGIF and Global Geodetic Reference Frame (GGRF)
  - Educational, training, capacity building components of the Global Geodetic Centre of Excellence (GGCE) that will empower emerging countries to contribute to a sustainable GGRF.

FIG *e*-Working Week – Challenges in a New Reality

FIG NL THE NETHERLANDS

WORKING WEEK 2021

21-25 JUNE

SMART SURVEYORS FOR LAND AND WATER MANAGEMENT

CHALLENGES IN A NEW REALITY

The outcomes from a virtual reality WW:

- Inspired, energised, and connected participants
- A global event across several time zones
- Simple, attractive, quality program / sessions
- Delegates have exchange knowledge, experiences, networked and socialized
- FIG community broadened, consisting of diverse and new professional groups and participants
- FIG culture demonstrated (look & feel / vibe should be visible and tangible)
- FIG General Assembly
- https://www.fig.net/fig2021/index.htm