

Ensuring the right competence at the right time

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Session: National Mapping and Geospatial Agencies (NMGAs); To change is to prosper

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Representing 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;

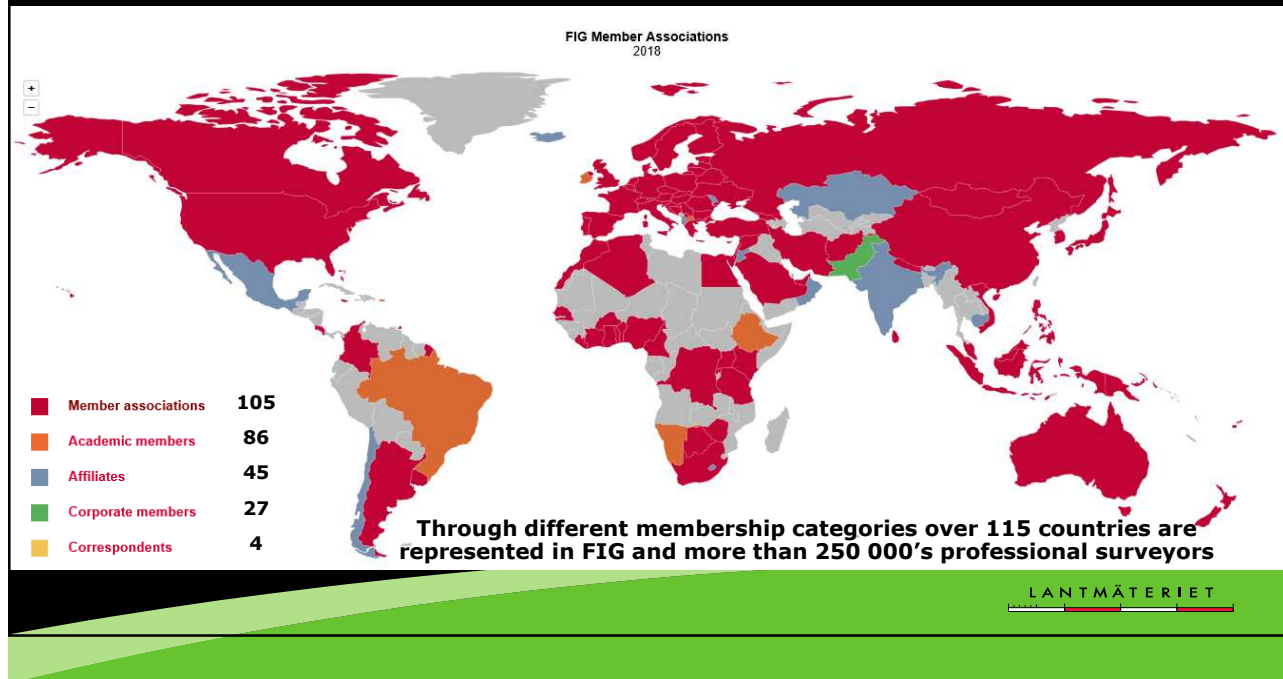
It provides an international forum for discussion and development aiming to promote professional practice and standards

Liaise with like minded organisations - UN GGIM, IAG



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The International Federation of Surveyors (FIG)



Representing Lantmäteriet, the Swedish mapping, cadastral and land registration authority



Lantmäteriet knows every location in Sweden

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Also, UN Subcommittee on Geodesy and its group on Education, Training and Capacity Building

UN Resolution:
Global Geodetic Reference Frames for Sustainable Development



Discussing e.g.

- Need of global geodetic infrastructure
- Data sharing
- Education, Training and Capacity Building

Photo: Kyoung-Soo Eom

General Assembly, 26 February 2015

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What is capacity development?

It is about understanding your current position but equally important to understand your future position.

It is also about understanding the challenges / obstacles that hindrance an individual / organisation / community from accomplishing their objectives; and then

developing the necessary knowledge / skills / abilities / competencies / frameworks to achieve them.

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What are the capacity development challenges with respect to – Data, Maps, Geospatial and Geodetic Infrastructure?

To understand that we need to understand the mega trends and how they impact our users and our organisations. A snap shot could include

- Mega-cities, smart-cities - *rapid urbanisation ; "2/3 in cities by 2050"*
- *Disruptive technologies*
- *Digital mapping*
- *Climate change, sea level rise, earthquakes, tsunamis, cyclones*

- *Who are our users in the future?*
- *How do they consume our information?*
- *What is our relation to the users?*
- *Does the legislation in our countries adapt to these mega trends?*
- *How does all this change our organisation?*
- *Do we have the competence and capability to ensure the change?*
- *How do we ensure that our organisations are relevant, if it is supposed to be, 10 years from now?*

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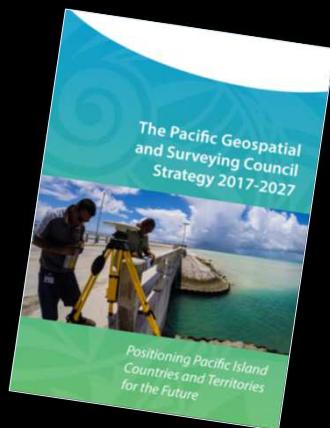
Working with this is a process!

Quick fixes to solve current challenges

Strategically to ensure right competence at the right time!

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One good example: Pacific Geospatial and Surveying Council



Joint strategy that includes Capacity Building



Australia supporting Tonga with knowledge as well as GNSS-equipment

FIG

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Countries as Australia and New Zealand ensuring long term support

Organisations as



FIG Asia Pacific Capacity Development Network

Facilitate the development



References Frame in Practice Seminar - Operational Aspects of GNSS CORS, 18-20 September 2018, Suva, Fiji

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Why is this a good example

1. The region / countries / organisation has a long term strategy on where they want and need to be
2. The "richer" countries are involved with a long term perspective
3. The "receiving" countries / organisations ensures a long term stability in their organisation.

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