



XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

Volunteering
for the future –
Geospatial excellence
for a better living

Coordination of Global Capacity Development: *UN SCoG WG Education, Training and Capacity Building (ETCB)*

Dr. Daniel Roman

Chair, FIG Commission 5

Chair, UN SCoG WG ETCB



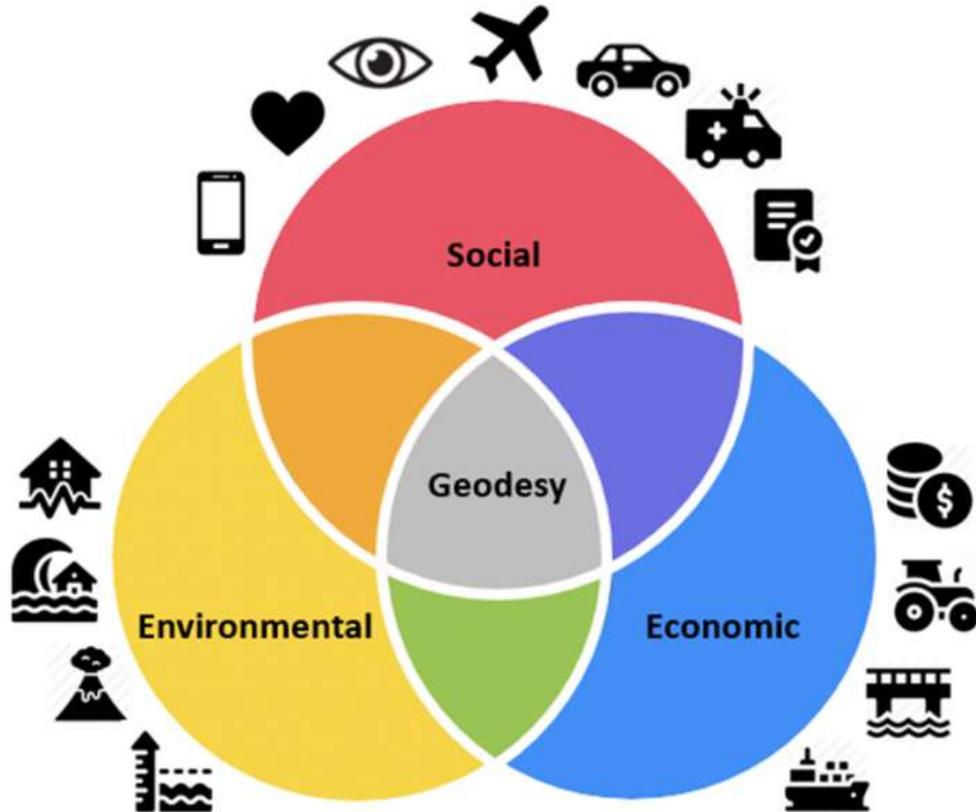
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Importance of Geodesy



Courtesy: Geoscience Australia

Geodesy underpins the three pillars of sustainable development:

1. providing data and services to support societal benefits
2. economic prosperity
3. environmental monitoring

Global players, amongst others:

- Member States
 - Build and maintain the geodetic infrastructure
- International Association of Geodesy: IAG
 - Operational services and product delivery
- **International Federation of Surveyors: FIG**
 - **Education, training and capacity development**
- **United Nations (Statistics Division)**
 - **Works with and supports Member States**

<https://www.geospatialworld.net/prime/prime-opinion/the-power-of-where-it-begins-with-geodesy/>

United Nations committee of experts on Global Geospatial Information Management (UN-GGIM) Structure



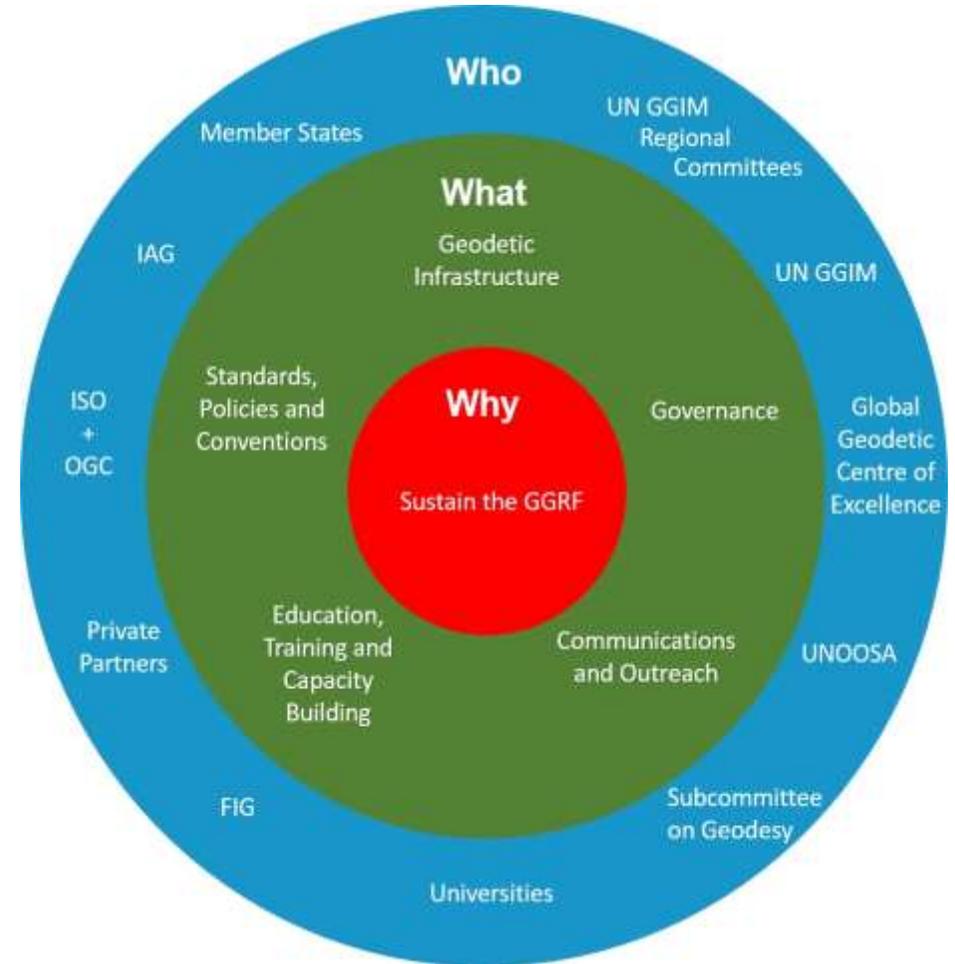
GGRF road map key issue categories

“A Global Geodetic Reference Frame for Sustainable Development”

- UN General Assembly adopted in 2015
- First resolution recognizing the importance of a globally-coordinated approach to geodesy.
- Uplifted WG GGRF to UN SCoG

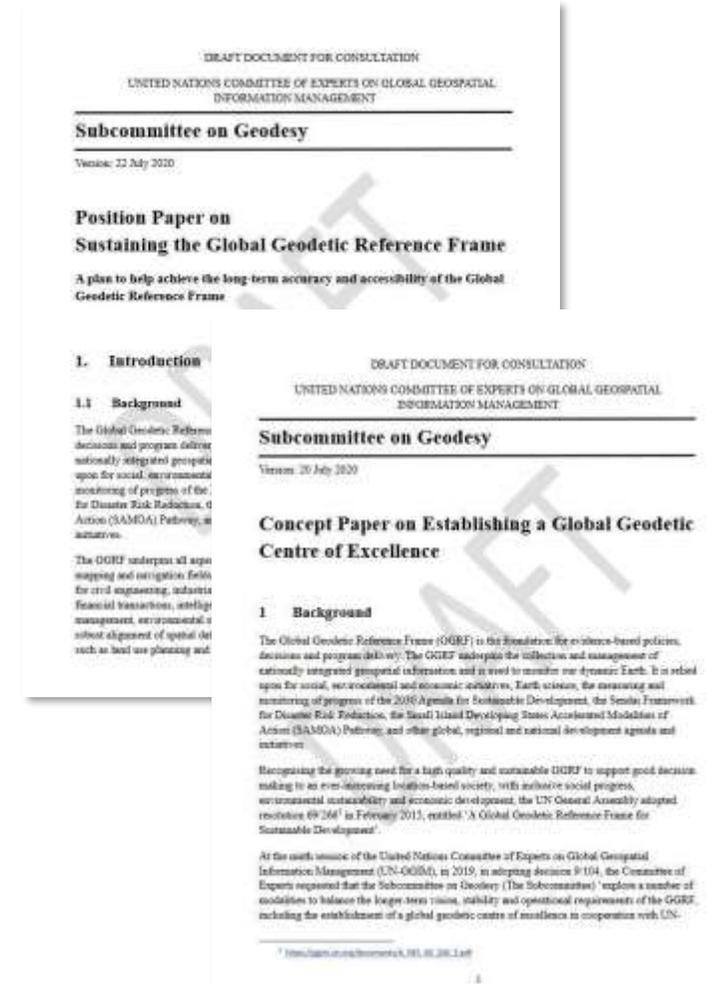
Five WG’s are based on these categories:

1. Geodetic Infrastructure
2. Policies, Standards and Conventions
3. Education, Training & Capacity Building
4. Governance
5. Outreach and Communication



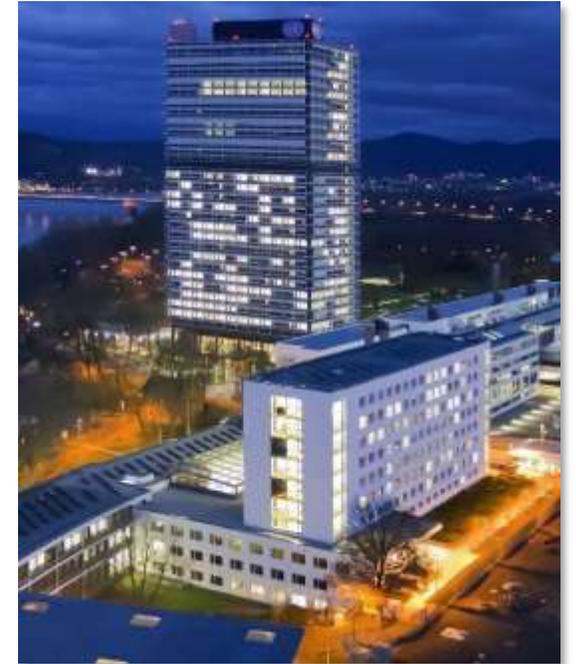
The UN Subcommittee on Geodesy was tasked to develop a

- **Position Paper on “Sustaining the GGRF”**
 - describes the current state and future requirements of the GGRF
 - introduces a range of work packages for each of the five focus areas
 - introduces the potential and role of a Global Geodetic Centre of Excellence
- **Concept Paper on “Establishing a Global Geodetic Centre of Excellence” (GGCE)**
 - describes the potential and envisaged tasks of the GGCE
 - Both reference documents were submitted to UN-GGIM-10 in 2020
- Courtesy Johannes Bouman: UN GGCE | GGOS CB, 16.05.2022



UN SCoG and the GGCE: Focus on ETCB

- The GGCE will be more of an operational center focused on tasks.
- UN SCoG (and UN GGIM) will coordinate. Focus though is on Nations.
- Exact modalities of relationship still being developed
- However, UN SCoG WG on ETCB has been collecting contacts in nations and ETCB needs via **surveys**
- The intent is for GGCE and WG ETCB to facilitate the trainers to the trainees
- Part of a larger effort that must be coordinated through UN Regional Committees and regional organizations (e.g., **Pacific Geospatial and Surveying Council**)



UN Campus Bonn; Source: Press office of the city of Bonn



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Thank you for your attention

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