



Federal Agency for
Cartography and Geodesy



The UN Global Geodetic Centre of Excellence

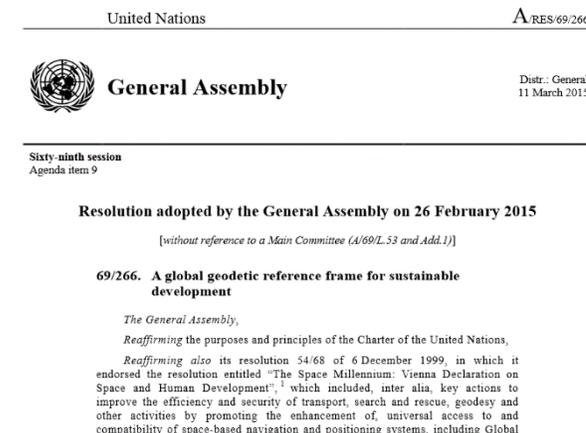
GGOS Coordinating Board Meeting
May 16, 2022

Johannes Bouman



Global Geodetic Reference Frame - GGRF

- UN-GGIM resolution for a “Global Geodetic Reference Frame for Sustainable Development (GGRF)”
- Adopted on 26 February 2015 by the UN General Assembly, the highest-ranking UN body
- GGRF is the first geoscience-related resolution
- Main GGRF goals:
 - Establish an authoritative, reliable, highly accurate, and global, geospatial referencing infrastructure
 - Support the collection, integration and utilization of all other geospatial data
 - Improve earth observation and positioning

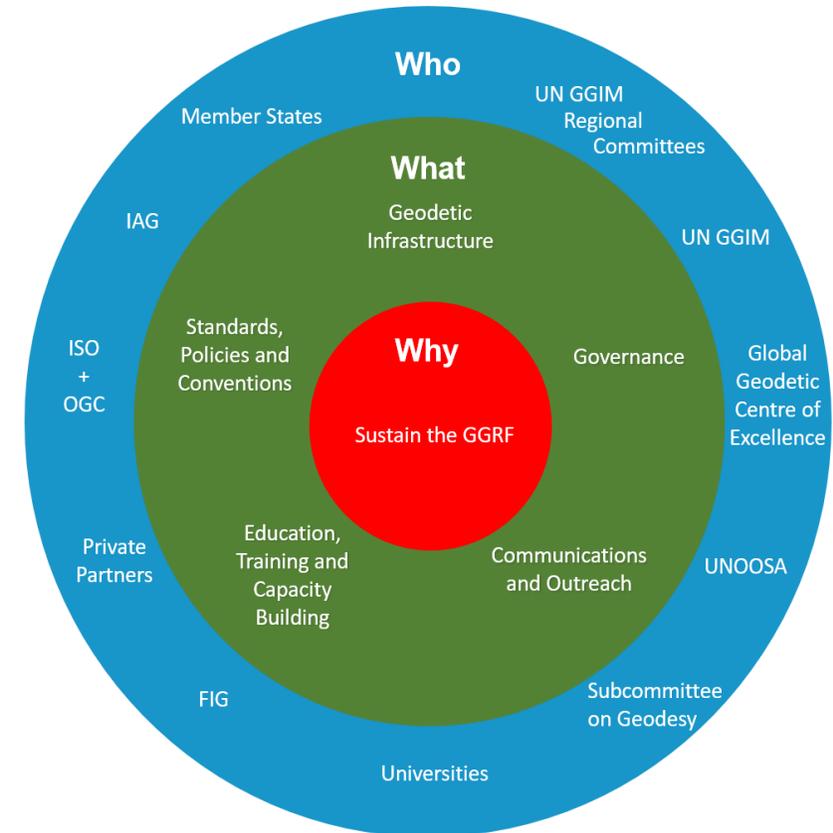


Many players to sustain the GGRF

To sustain the GGRF the support and cooperation of Member States and organisations are needed.

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

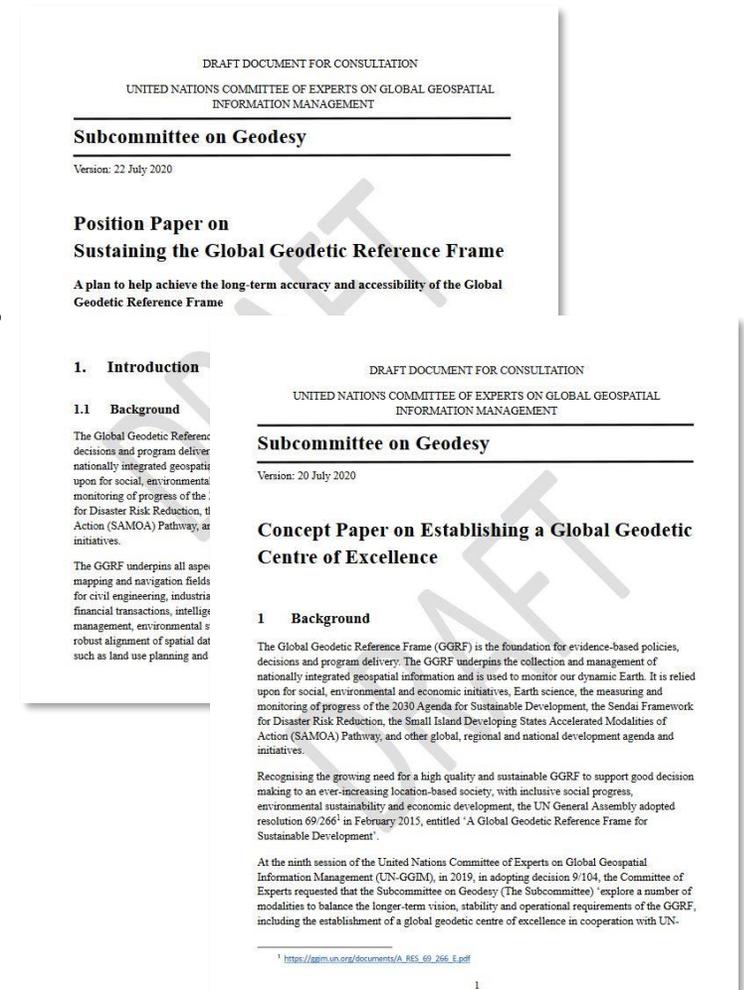


Why we need to work together to sustain the GGRF, what needs to be done and who can help.

A new player is born: Global Geodetic Center of Excellence - GGCE

The UN Subcommittee on Geodesy was tasked to develop a

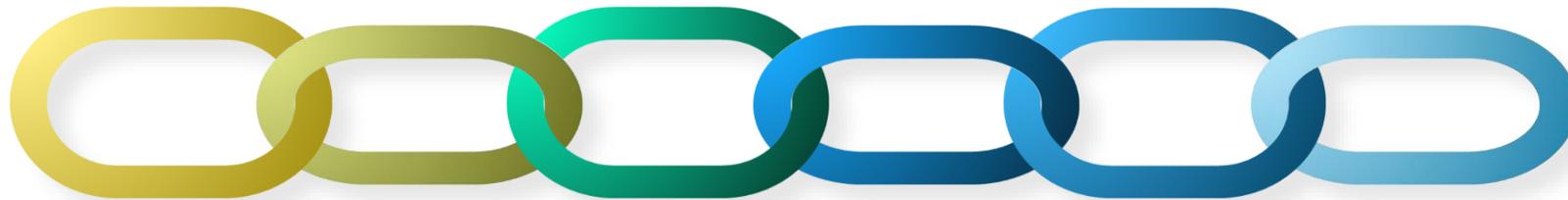
- **Position Paper** on “Sustaining the GGRF”
 - describes the current state and future requirements of the GGRF
 - introduces a range of work packages for each of the five focus areas
 - introduces the potential and role of a Global Geodetic Centre of Excellence
- **Concept Paper** on “Establishing 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



Tasks of the Global Geodetic Centre of Excellence – GGCE

Tasks of the GGCE are tailored to the five focus areas:

- Enhance global cooperation and coordination
- Strengthen geodetic infrastructure
- Assist Member States in line with standards, policies and conventions
- Support education, training and capacity building
- Improve communication and raise awareness

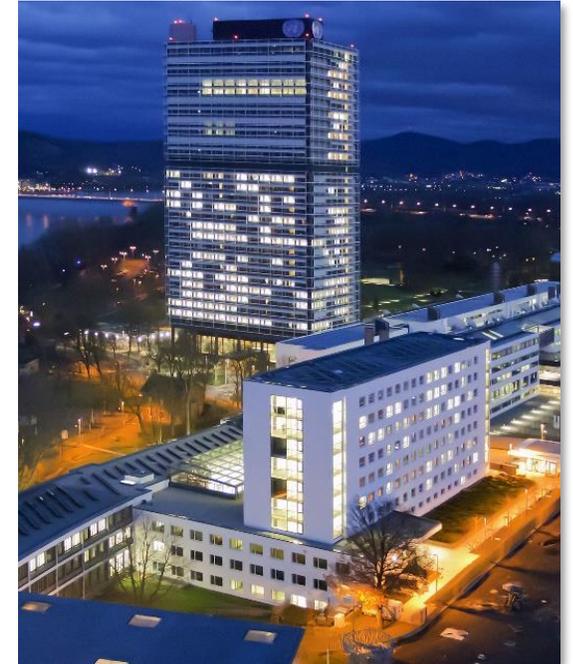


Establishment of the GGCE in Germany

Offer of the German Federal Government was accepted and supported on 11.09.2020 at the 10th UN-GGIM Committee of Experts

The GGCE in Germany

- located at the UN Campus Bonn
 - financed and supported by BKG
 - supported with virtual secondment by Norway
 - Steering Committee (UN DESA + Germany)
 - Technical Advisory Committee (SCoG, IAG, FIG, Space Agencies, ...)
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UN Campus Bonn; Source: Press office of the city of Bonn

What's next?

Next Steps

- Negotiations on a
 - 'Agreement' (streamline the tasks for the GGCE Bonn)
 - 'Verbal Notes' (agree upon the infrastructure on the UN campus)
- Negotiations between Germany and the United Nations began in autumn 2020
- Signing process has started and is expected to be completed in the coming months
- Thereafter, staff will be recruited and the GGCE can start!
- Develop participation of other partners in the GGCE

