

Towards an International Governance of Geodesy



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COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

Prof. Dr. Steffen Schön

Federal Agency for Cartography and Geodesy (BKG)

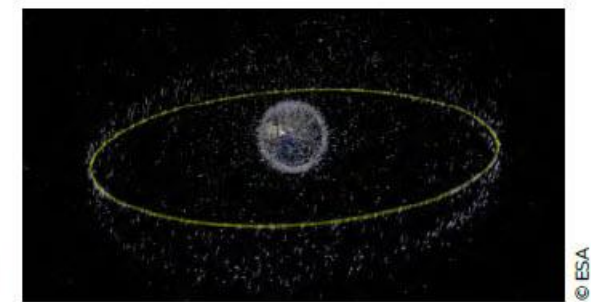


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Nations**



Geodesy - Driving economic growth

“Over the next decade, revenue from GNSS, Earth Observation and satellite telecommunications (80% of the space industry market revenue) has a growth rate of $\sim 9\%$.”



Source: EUSPA Market Report and Euroconsult
<https://www.euspa.europa.eu/market-report>



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Operating Critical Infrastructure

“15 of 18 critical infrastructure and key resources sectors relied on the Global Positioning System (GPS) including telecommunications, emergency services and financial exchanges.”

~ U.S. Department of Homeland Security



Source: Fotolia and Nico Siegli from Pexels



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GLOBAL GEODESY SUPPLY CHAIN (GGSC)

The global geodesy supply chain is the complete system that produces and delivers accurate geodetic data – from ground-based observatories – through to the final products used in mapping, disaster management, and sustainable development.



Learn More



<https://ggim.un.org/UNGGCE/>



<https://www.linkedin.com/company/unggce/>



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United Nations General Assembly resolution 69/266

UN General Assembly resolution (2015)
“A global geodetic reference frame for sustainable
development”



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Geodesy at risk



EVIDENCE

AWARENESS

CAPACITY

GOVERNANCE

RESOURCES

Published by UN-GGCE Source:

<https://ggim.un.org/UNGGCE/documents/Stateofgeodesy.pdf>

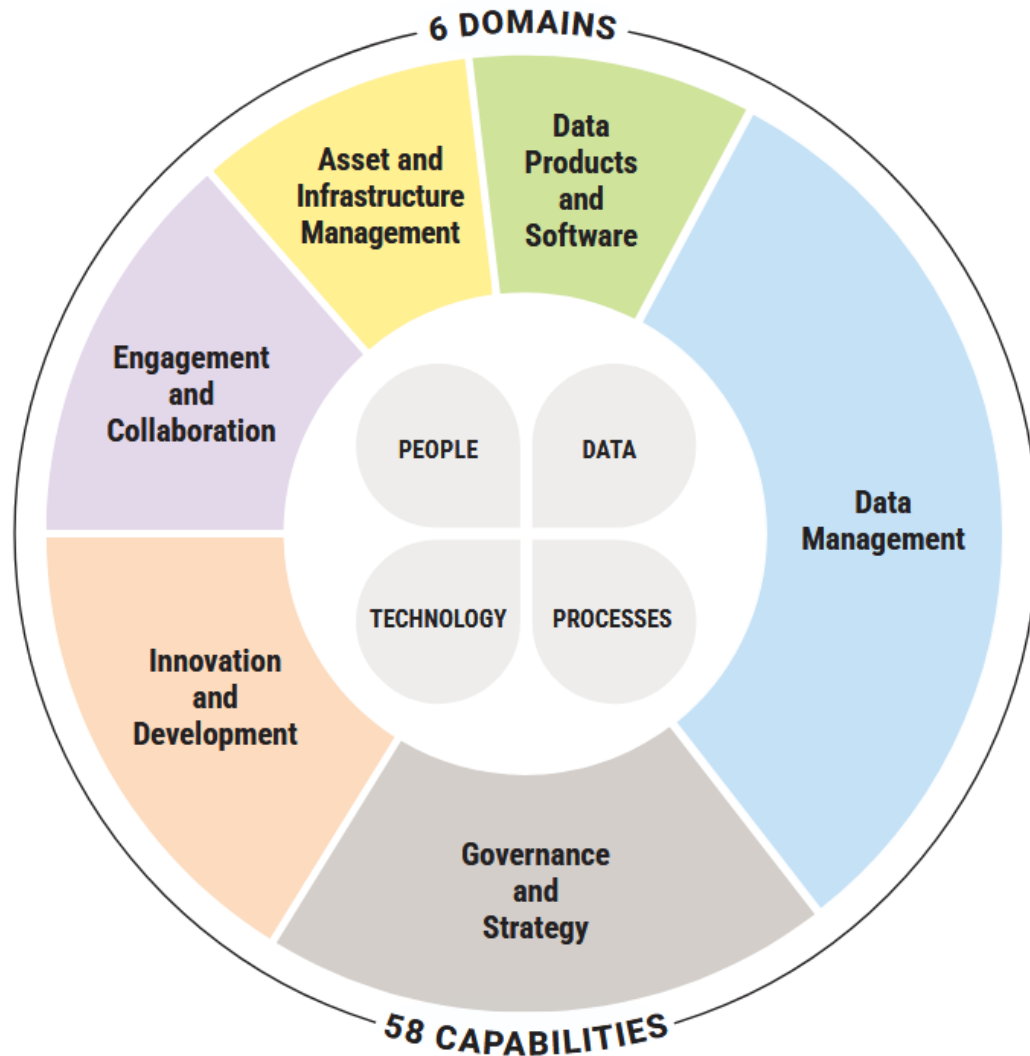


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State of Geodesy 2026



Domains	Average Score
Data Management	2.7
Data Products and Software	2.3
Asset and Infrastructure Management	2.3
Engagement and Collaboration	2.2
Innovation and Development	2.1
Governance and Strategy	1.8



Governance and Strategy (1.8/5)

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Level 1 scores indicates structural constraints that affect the long-term sustainability

- Mandate development
- Policy formulation
- Strategic planning
- All three financial management capabilities: Funding and investment, budgeting and cost management

Critical Pattern:
Governance as cross-cutting constraint



The Gap causes Problems

The governance gap creates four fundamental problems:

1. No shared vision
2. No agreement on roles and responsibilities
3. No mechanisms to implement, coordinate, and oversee commitments
4. No sustainable funding model



Source: Monstera Production from Pexels



International Governance for Geodesy - Webinar on 18 June 2026

- The webinar was hosted by the Subcommittee on Geodesy and moderated by the UN-GGCE as part of the Road to UN-GGIM 16
- Participation: more than 400 attendees
- Results:
 - Overall agreement that the current situation needs improvement
 - Outline of initial ideas for possible ways forward
 - Invitation to continue the discussion on Governance at the Side Event in New York



Towards an international Governance on Geodesy - Side Event at UN-GGIM16

- Host: UN-GGIM Subcommittee on Geodesy
- Co-Chaired: Norway & Germany
- When: 3 August, 3 pm – 4:15 pm
- Where: Conference Room 12



Source: picture from United Nations Photo on flickr.com



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Let us work together to find the right international governance model

- From discussion to action: How can we strengthen the global geodesy supply chain?
- We invite you to discuss this nationally beforehand and be ready for a more detailed exchange at the side event.
- We would like to hear your thoughts on how to move forward!
- Feel free to contact Johnny and me anytime:
 - johnny.welle@kartverket.no
 - Steffen.Schoen@bkg.bund.de

