



Subcommittee on Geodesy

Third Plenary Meeting

Conference Room LE 2312, Langer Eugen Building
UN-Campus in Bonn, Germany

Provisional Agenda:

- 1) Welcome, introductions and organization of the work
- 2) Setting the scene – Global geodesy for the betterment of humanity, leaving no one behind
- 3) Terms of Reference and membership of the Subcommittee
- 4) Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame
- 5) Any other global geodesy related operational and technical matters
- 6) Business of the Subcommittee – work/task groups, bureau, and co-Chairs
- 7) Summary, next meeting and close



Agenda item #1 – Welcome, introductions and organization of the work



- ❖ Welcome and opening remarks
- ❖ Announcements
- ❖ Introductions
- ❖ Provisional agenda and organization of the work





Agenda items	Scheduled days and segments	
	Day	Segment and proposed time to be spent on the item
1) Welcome, introductions and organization of the work	29 March	9:00 a.m. – 10:40 a.m. (25 min)
2) Setting the scene – Global geodesy for the betterment of humanity, leaving no one behind	29 March	9:00 a.m. – 10:40 a.m. (35 min)
3) Terms of Reference and membership of the Subcommittee	29 March	9:00 a.m. – 10:40 a.m. (20 min)
4) Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame	30 March	9:00 a.m. – 10:40 a.m. (80 min)
	31 March	9:00 a.m. – 10:40 a.m. (80 min)
5) Any other global geodesy related operational and technical matters	30 March	2:00 p.m. – 3:30 p.m. (45 min)
		3:50 p.m. – 5:00 p.m. (40 min)
6) Business of the Subcommittee – work/task groups, bureau, and co-Chairs	31 March	2:00 p.m. – 3:30 p.m. (90 min)
7) Summary, next meeting and close	31 March	3:50 p.m. – 4:30 p.m. (20 min)



Agenda item #1 – Setting the scene: Global geodesy for the betterment of humanity, leaving no one behind



❖ Presentations

- Nicholas Brown
Geoscience Australia
- Johannes Bouman
Federal Agency for Cartography and Geodesy, Germany
- Cheehai Teo
UNDESA/SD/Global Geospatial Information Management Section



Agenda item #1 – Setting the scene: Global geodesy for the betterment of humanity, leaving no one behind



- ❖ Presentation: ECOSOC Resolution 2022/24 and the objective and functions of the Committee of Experts



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Agenda item #3 – Terms of Reference and membership of the Subcommittee



- ❖ Terms of Reference of the Subcommittee

https://ggim.un.org/documents/UN-GGIM_SCoG_ToR_Final_January2023.pdf

- ❖ Membership of the Subcommittee



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Agenda item #1

Welcome, introductions, agenda and organization of meeting



Updated membership of the Subcommittee:

UN-GGIM: Africa	UN-GGIM: Americas	UN-GGIM: Arab States	UN-GGIM-AP	UN-GGIM: Europe
Burkina Faso Cameroon Cote d'Ivoire Madagascar Morocco Nigeria South Africa Tanzania Tunisia	Argentina Brazil Canada Costa Rica Jamaica Mexico United States Uruguay	Algeria Lebanon Morocco Saudi Arabia	Australia China Fiji India Indonesia Japan Korea (Republic of) Mongolia New Zealand Russian Federation	<i>Belgium</i> <i>Finland</i> <i>France</i> <i>Germany</i> <i>Norway</i> <i>Republic of Moldova</i> <i>Russian Federation</i> <i>Spain</i> <i>United Kingdom</i> <i>(nominations pending)</i>

* Bold are newly nominated



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29 March 2023

End of Segment #1

The Third Plenary Meeting will resume at 09:00 a.m. on Thursday 30 March 2023.

Opening Ceremony of the United Nations Global Geodetic Centre of Excellence

1:00 p.m. to 2:30 p.m., Conference Room LE 1916, 19th Floor, Langer Eugen

All are invited

Opening Ceremony get-together social event

2:30 p.m. to 5:00 p.m.

All are invited



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Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame



- ❖ Draft Action Plan to Sustain the Global Geodetic Reference Frame



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30 March 2023

End of Segment #2

The Subcommittee will have a joint meeting with the UN-GGCE: IAC in the afternoon

*Joint meeting of the Subcommittee on Geodesy and the
UN-GGCE International Advisory Committee*

2:00 p.m. to 3:30 p.m.

3:50 p.m. to 5:30 p.m.



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Joint Meeting

Subcommittee on Geodesy and UN-GGCE International Advisory Committee

Conference Room LE 2312, Langer Eugen Building

30 March 2023

Jointly consider -

Subcommittee on Geodesy meeting agenda item #5 - Any other global geodesy related operational and technical matters

UN-GGCE International Advisory Committee meeting agenda item # 4 - Any other global geodesy related operational and technical matters



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Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

- ❖ Draft Action Plan to Sustain the Global Geodetic Reference Frame

Jointly consider -

UN-GGCE International Advisory Committee meeting agenda item # 3 - Strategy and substantive programme of work for the overall implementation of the agreed UN-GGCE framework plan

Subcommittee on Geodesy meeting agenda item #4 - Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame



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Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

- ❖ Strategic actions, tasks and timelines

Jointly consider -

Are the strategic actions, tasks and timelines* FEASIBLE?

What tasks should be PRIORITIZED?

What are the resources required?

Are the timeframes realistic?

Are there glaring gaps?

(Consider, if additional task(s) are added, to remove tasks deemed not a priority in the short or medium term)

*Note: * Six strategic actions with tasks and timelines were developed at the joint meeting of 30 March 2023*



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Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines



- ❖ Strategic Action #1 – Conduct a global geodesy needs assessment (Feb 2024)(SCoG/IAG/FIG)
 - Stakeholder identification and mapping (Jul 2023) (UN-GGCE supported by IAC/SCoG)
 - Identify and map stakeholders' contributions to GGRF (Jul 2023) (UN-GGCE supported by IAC/SCoG/IAG/FIG)
 - Create a working group to begin global geodesy needs assessment (Jun 2023) (SCoG/IAG/FIG)

- ❖ Strategic Action #2 – State of Geodesy Report (June 2024)(SCoG)
 - Factsheets on the contribution of geodesy to climate studies and resilience, disaster risk reduction, space mission, sea-level and inundation, earthquakes and tsunamis) (Jul 2023; Sep 2023; Nov 2023) (UN-GGCE)
 - Expert review of factsheets (Jul 2023; Sep 2023; Nov 2023) (IAC)
 - Incorporate findings from the global geodesy needs assessment (SCoG)



Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines



- ❖ Strategic Action #3 – Global Geodesy Development Plan (Jan 2025)(UN-GGCE)
 - Incorporate the global geodesy needs assessment and the State of Geodesy Report (UN-GGCE)
 - Identify and describe how to improve the GGRF to meeting global and regional requirements (Oct 2024) (UN-GGCE)
 - Expert review of the Global Geodesy Development Plan (Jan 2025) (IAC)

- ❖ Strategic Action #4 – Global coordination (ongoing)(UN-GGCE)
 - Leverage the stakeholder identification and mapping (Jul 2023) (UN-GGCE)
 - Understand and leverage stakeholders' contribution to GGRF (Jul 2023) (UN-GGCE)
 - Working towards an authoritative register for geodetic standards (ongoing) (SCoG/ISO/Partners)
 - Stakeholder engagement/convene meeting(s) (Thirteenth Session of UN-GGIM) (SCoG)
 - Identify opportunities for coordination and prioritize (ongoing) (UN-GGCE)



Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines



- ❖ Strategic Action #5 – Awareness raising and advocacy (**ongoing**)(UN-GGCE)
 - Leverage factsheets (UN-GGCE)
 - Convene global geodesy side event at the Bonn Climate Change Conference (<https://unfccc.int/sb58>), 5 – 15 June 2023 (**Jun 2023**) (UN-GGCE)
 - Convene global geodesy side event at the UN SDG Summit 2023 (<https://www.un.org/en/conferences/SDGSummit2023>), Sept 2023 (**Sep 2023**) (UN-GGCE)
 - Advocate for inclusion of geodesy into global reports (e.g. State of the Climate; State of the Environment) (**Ongoing**) (UN-GGCE) (supported by IAC)
 - Identify opportunities for advocacy and prioritize (**ongoing**) (UN-GGCE)

- ❖ Strategic Action #6 – Capacity and capability development (**ongoing**)(UN-GGCE)
 - Leverage the global geodesy needs assessment (UN-GGCE)
 - Identify, in consultation with SCoG and Regional Committees of UN-GGIM, develop capacity and capability development activities (**ongoing**) (UN-GGCE)



Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame



- ❖ Draft Action Plan to Sustain the Global Geodetic Reference Frame





Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines

- ❖ Strategic Action #1 – Conduct a global geodesy needs assessment (Feb 2024)(SCoG/IAG/FIG)
 - Stakeholder identification and mapping (Jul 2023) (UN-GGCE supported by IAC/SCoG)
 - Identify and map stakeholders’ contributions to GGRF (Jul 2023) (UN-GGCE supported by IAC/SCoG/IAG/FIG)
 - Create a working group under SCoG to begin global geodesy needs assessment with a terms of reference (Jun 2023) (SCoG/IAG/FIG)
 - Include regional committees of UN-GGIM in the global geodesy needs assessment (Nov 2023) (SCoG/IAG/FIG)
 - Expert review of the global geodesy needs assessment (Jan 2024) (IAC)





Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines

- ❖ Strategic Action #2 – State of Geodesy Report (June 2024)(SCoG/IAG/FIG)
 - Factsheets and case studies on the contribution of geodesy to climate studies and resilience, disaster risk reduction, space mission, sea-level and inundation, earthquakes and tsunamis, efficient (autonomous) transportation, economic value and contribution to GDP, food security, SDGs (Jul 2023; Sep 2023; Nov 2023)(ongoing) (UN-GGCE)
 - Expert review of factsheets (Jul 2023; Sep 2023; Nov 2023)(ongoing) (IAC)
 - Develop a concept note and outline of contents for the State of Geodesy Report (Nov 2023) (SCoG)
 - Create a working group under SCoG with terms of reference to work on the State of Geodesy Report (Jul 2023) (SCoG)
 - Incorporate findings from the global geodesy needs assessment (SCoG)





Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines

- ❖ Strategic Action #3 – Global Geodesy Development Plan (Jan 2025)(UN-GGCE)
 - Incorporate the global geodesy needs assessment and the State of Geodesy Report (UN-GGCE)
 - Identify and describe how to improve the GGRF to meet global and regional requirements (Oct 2024) (UN-GGCE)
 - Expert review of the Global Geodesy Development Plan (Jan 2025) (IAC)



Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines



- ❖ Strategic Action #4 – Global coordination, coherence and partnership (ongoing)(UN-GGCE)
 - Identify opportunities for coordination and prioritize, develop an engagement plan (ongoing) (UN-GGCE)
 - Leverage the stakeholder identification and mapping (Sep 2023) (UN-GGCE)
 - Understand and leverage stakeholders' contribution to GGRF (Sep 2023) (UN-GGCE)
 - Stakeholder engagement/convene meeting(s) (Annual Sessions of UN-GGIM) (SCoG)
 - Establish and identify arenas for meetings and coordination (ongoing) (UN-GGCE)
 - Utilizing inputs from SCoG, IAG services and others as relevant to inform and convene targeted stakeholder engagements at regional or global level including at UN-GGKIC to advocate further coordination at national, regional and global levels (ongoing) (UN-GGCE)
 - Develop a modality to formalize collaboration as appropriate including with UN-GGKIC (Jan 2024) (UN-GGCE)
 - Working towards an authoritative register for geodetic standards (ongoing) (SCoG/ISO/Partners)
 - Monitoring progress in global coordination (annual) (IAC)





Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines

- ❖ Strategic Action #5 – Awareness raising and advocacy (**ongoing**)(UN-GGCE)
 - Leverage factsheets (UN-GGCE)
 - Convene global geodesy side event at the Bonn Climate Change Conference (<https://unfccc.int/sb58>), 5 – 15 June 2023 (**Jun 2023**) (UN-GGCE)
 - **Convene global geodesy side event at annual sessions of UN-GGIM (annual) (SCoG)**
 - Convene global geodesy side event at the UN SDG Summit 2023 (<https://www.un.org/en/conferences/SDGSummit2023>), Sept 2023 (**Sep 2023**) (UN-GGCE)
 - Advocate for inclusion of geodesy into global reports (e.g., State of the Climate; State of the Environment) (**Ongoing**) (UN-GGCE) (supported by IAC)
 - Identify opportunities for advocacy and prioritize (**ongoing**) (UN-GGCE)
 - Monitoring and evaluation (**annual**) (IAC)





Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines

- ❖ Strategic Action #6 – Capacity and capability development (**ongoing**)(UN-GGCE)
 - Identify, in consultation with Regional Committees of UN-GGIM, SCoG, and partnering organizations, develop and implement capacity and capability development activities (**ongoing**) (UN-GGCE)
 - Leverage the global geodesy needs assessment (UN-GGCE)
 - Leverage and support existing/ongoing initiatives and activities residing in partnering organizations
 - Coordinate with regional committees of UN-GGIM including with UN-GGKIC and partnering organizations to enhance geodetic knowledge and innovation development (**ongoing**) (UN-GGCE)
 - Monitoring and evaluation (**annual**) (IAC)





Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame

Strategic actions, tasks and timelines

- ❖ Strategic Action #7 – Branding and communication (ongoing)(UN-GGCE)
 - Develop a communication and knowledge management plan (Nov 2023) (UN-GGCE)
 - Develop generic presentation and promotional materials (ongoing) (UN-GGCE)
 - Explain the nexus between global geodesy actors
 - Develop a logo and web-site for UN-GGCE (Nov 2023) (UN-GGCE)
 - Develop a mechanism to recognize contribution to the GGRF (ongoing) (UN-GGCE)
 - Monitoring and evaluation (annual) (IAC)



Agenda item #4 – Strategic Plan and Action Plan to Sustain the Global Geodetic Reference Frame



- ❖ Draft Action Plan to Sustain the Global Geodetic Reference Frame

- ❖ Steps towards implementing the Action Plan

SCoG Working Group on Global Geodesy Needs Assessment (Zuheir Altamini – Lead)

SCoG Working Group on State of Geodesy Report (Laila Løvhøiden – Lead)

SCoG Working Group on Capacity and Education (previously, Education, Training and Capacity Building)





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End of Segment #3

The Third Plenary Meeting will resume at 2:00 p.m.



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Agenda item #6 – Business of the Subcommittee – work/task groups, bureau, and co-Chairs

- ❖ Authoritative data
- ❖ Reporting and preparation for the Thirteenth Session of UN-GGIM
- ❖ Bureau of the Subcommittee
- ❖ Co-Chairs of the Subcommittee



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End of Segment #4

The Third Plenary Meeting will close at the joint closing segment together with the UN-GGCE International Advisory Committee



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Agenda item #7 – Summary, next meeting and close



- ❖ Summary
- ❖ Next meeting
- ❖ Close



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Thirteenth Session
of the
United Nations
Committee of
Experts on
Global Geospatial
Information
Management

2 – 4
August 2023
UNHQ, New York

THANK YOU

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