



GGOS Days 2024

Potsdam, Germany

October 10-11

Closing

Laura Sánchez, President of GGOS

Technisches Universität München, Deutsches Geodätisches Forschungsinstitut (DGFI-TUM)

GGOS Days 2025

Embedded in the IAG2025 Scientific Assembly

Joint Symp.: [Geohazard Monitoring through Geodesy](#)

Joint Symp.: [Geodetic Space Weather Research](#)

Joint Symp.: [Data Science and Machine Learning in Geodesy](#)

Symp. [Global Geodetic Observing System](#)

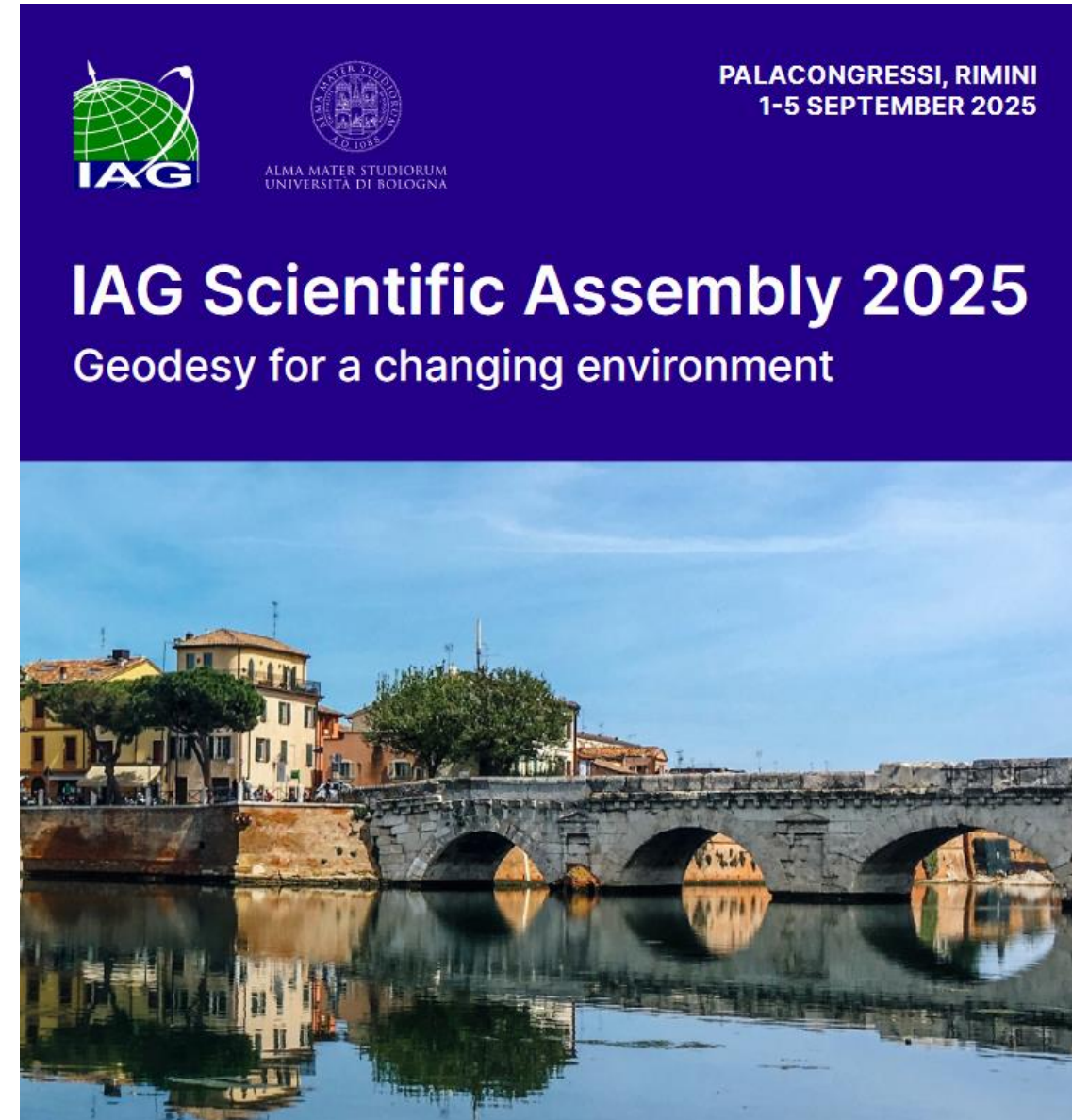
- 1: Contribution of geodesy to Earth observations
- 2: Advances in global geodetic infrastructure
- 4: Standardization, integration and optimization of geodetic products
- 3: Enhancement of GGOS collaboration at regional level

[Outreach, Governance and Education in Geodesy](#)

- 1: Data management, dissemination of results and networking of stakeholders
- 2: Science policy networking in geodesy
- 3: Communication, Education and Outreach

[Governing Board Meeting as a splinter meeting](#)

Deutsches Geodätisches Forschungsinstitut (DGFI-TUM) | Technische Universität München



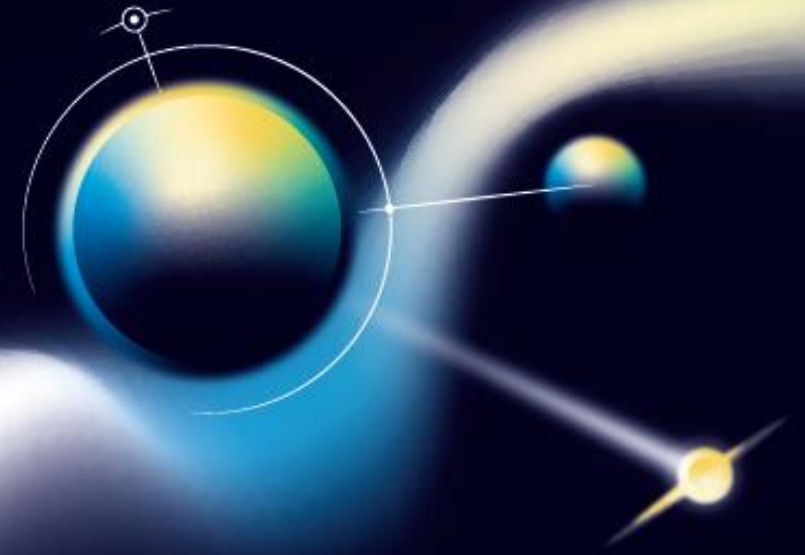
This year in GGOS...



GGOS DAYS

2023

40.31.31 N
03.05.19 W



20.09 - 22.09

Yebes Observatory
Alcalá de Henares, Spain



This year in GGOS...



New GGOS Governing Board: 46 (+ 9) members, 20 countries, 18 women, 27 early career scientists

IAG President	Richard Gross, USA	GGOS President	Laura Sánchez, Germany
Reference Frames	Christopher Kotsakis, Greece	GGOS Vice-President	Anna Riddell, Australia
Gravity Field	Derek Van Westrum, USA	Science Panel Chair	José Ferrándiz, Spain
Earth Rot. and Geodyn.	Rebekka Steffen, Sweden	GGOS Past-President	Basara Miyahara, Japan
Positioning and Applications	Krzysztof Sośnica, Poland	Members at large	Aletha de Witt, South Africa
ICC Theory	Pavel Novak, Czech Republic		Claudia N. Tocho, Argentina
ICC Climate Research	Annette Eicker, Germany		Ropesh Goyal, India
ICC Marine Research	Pierre Sakic, France	Appointed Members	Julia Koch (ECS), Switzerland
Project QuGe	Jürgen Müller, Germany		Yamin Dang, China
IERS	Daniela Thaller, Germany	Coordinating Office	Martin Sehnal, Austria
IDS	Karine Le Bail, Sweden	External Relations Manager	Allison Craddock, USA
IGS	Ryan Ruddick, Australia	Committee DOIs	Kirsten Elger, Germany
ILRS	Toshimichi Otsubo, Japan	GGOS BNO	José Rodríguez, Spain
IVS	Lucia McCallum, Australia	Committee PLATO	Alexander Kehm, Germany
PSMSL	Elizabeth Bradshaw, UK	Com. Data and Inf. Systems	Roger Fraser, Australia
IGFS	George Vergos, Greece	Committee Space Missions	Roland Pail, Germany
BGI	Sylvain Bonvalot, France	GGOS BPS	Detlef Angermann, Germany
ISG	Urs Marti, Switzerland	Com. Earth System Mod.	Maik Thomas, Germany
IGETS	Christoph Förste, Germany	Committee EGV	Thomas Gruber, Germany
ICGEM	E. Sinem Ince, Germany	FA AI for Geodesy	Benedikt Soja, Switzerland
IDEMS	Kevin M. Kelly, USA	FA Space Weather	Michael Schmidt, Germany
GGOS Japan	Yusuke Yokota, Japan	FA Geohazards	Timothy Melbourne, USA
GGOS D-A-CH	Hansjörg Kutterer, Germany		
GGOS IberAtlantic	Esther Azcue Infanzón, Spain		

This year in GGOS...



New GGOS Strategic Plan


**GGOS Strategic Plan
2024 – 2034**
Geodesy for Science and Society

November 2023

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GGOS Strategic Plan 2024 – 2034 3

This year in GGOS...

New GGOS Implementation Plan



The cover of the report features the IAG and GGOS logos at the top left. The title 'GGOS Implementation Plan Phase 2024 – 2027' is centered. The background is white with a large green and blue curved shape on the right side. At the bottom left, there is a satellite image of Earth showing the Americas.

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This year in GGOS...



First draft of the Essential
Geodetic Variables (EGVs)

White Paper:

Definition of Essential Geodetic Variables (EGV): Contribution of Geodesy to Earth Observation

Authors:

Thomas Gruber¹, Detlef Angermann², Laura Sánchez³

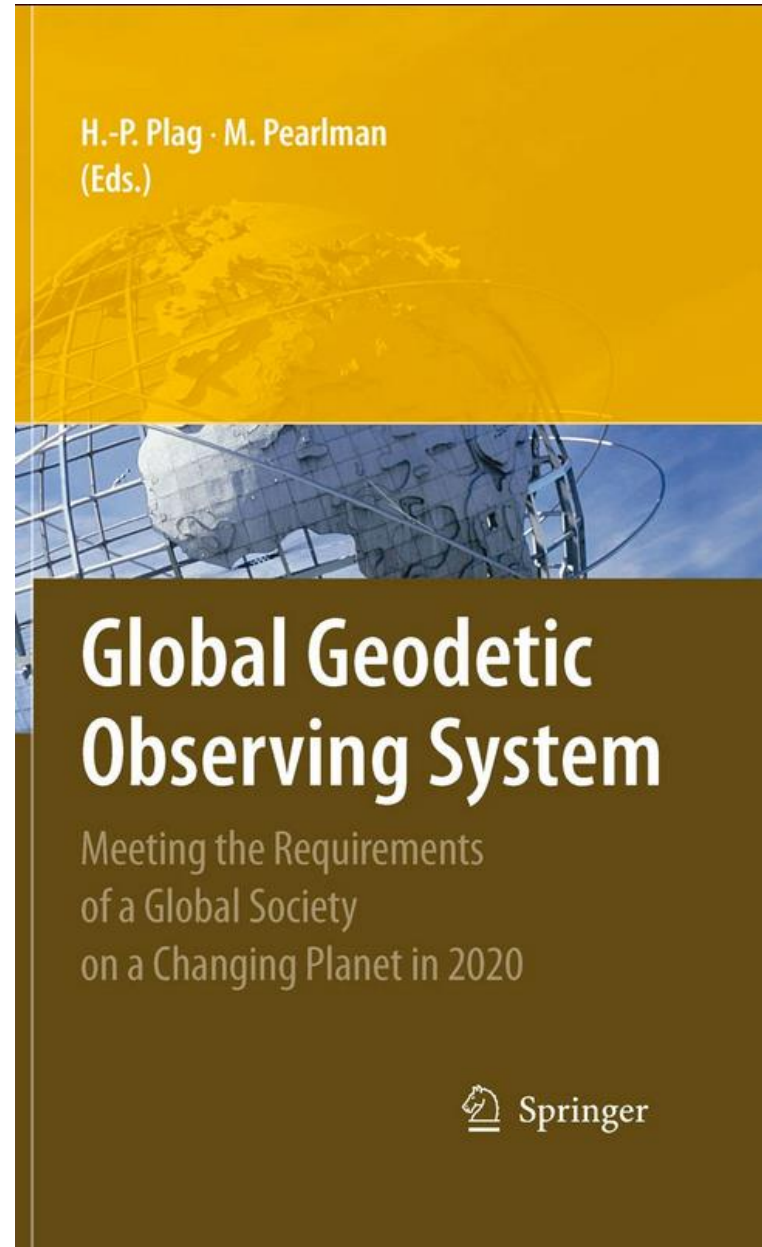
Draft Version: 5.0

Date: 01.10.2024

*This draft version is under review within GGOS. The document is only for internal use
and should not be further distributed.*

This year in GGOS...

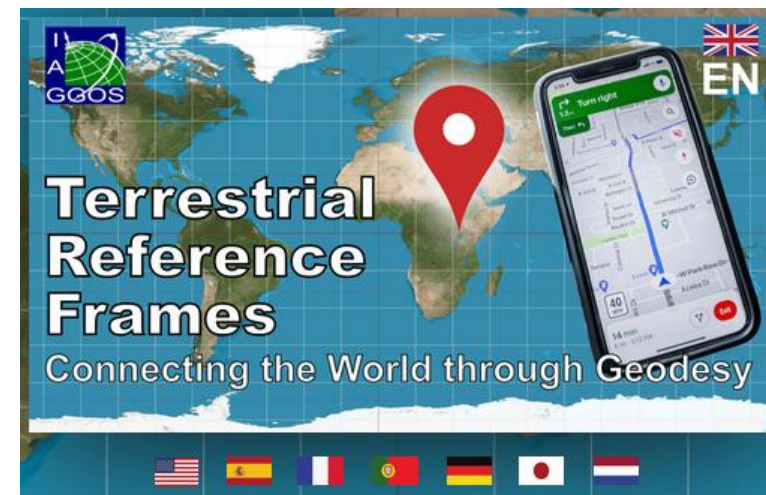
Updated of the GGOS 2020
book started



This year in GGOS...



Joint work with UN-GGCE



This year in GGOS...



GGOS own sessions at major international geosciences conferences.

Co-organiser of the Gravity Symposium (for the first time).

Presentations at various national and regional conferences.



This year in GGOS...



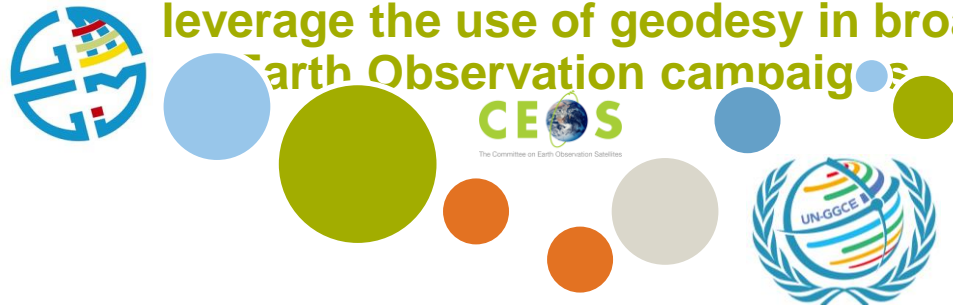
Working toward proactive engagement with the broader Earth observations community,

advocating for interoperable, discoverable, and openly available geospatial data,

promoting infrastructure development,

identifying tangible geodetic contributions to UN SDGs and Sendai Framework,

as well as working with external partners leverage the use of geodesy in broader Earth Observation campaigns



...to ensure geodesy is a visible, valued, and sustainable worldwide asset.

This year in GGOS...



Interdisciplinary research IAG/IAGA:

Project [Characterisation of the ionised atmosphere in terms of essential variables](#)

granted by the IUGG Grants Program 2024/2025

The banner features a background image of a blue and white aurora over a dark horizon. At the top left is the IAG GGOS logo. The main text reads: **GGOS Topical Meeting on the Atmosphere**, **Wissenschaftsetage im Bildungsforum | Potsdam, Germany**, and **October 7 – 9, 2024**. Below this is a row of logos: a green and blue circular logo, the IAG logo, the IAGA logo, the GFZ logo (with 'Helmholtz Centre POTSDAM' below it), the Federal Office of Metrology and Surveying logo, and the TUM logo. At the bottom, the text reads: **GGOS Topical Meeting on the Atmosphere** and **October 7, 2024 - October 9, 2024**.

This year in GGOS...



Science Summit at UNGA79
10 - 27 September 2024

Africa Rising: Shaping Our Common Future Through Geodesy

Implementing the UN General Assembly Resolution A/RES/69/266
“Global Geodetic Reference Frame for Sustainable Development”

Friday, 27 September 2024 | 8:30 am – 3:00 pm ET (UTC-4) | on-site and online event



This year in GGOS.

Support of initiatives relevant for geodesy

Global Geodetic Observing System (GGOS)
of the International Association of Geodesy (IAG)

Global Geodetic Observing System (GGOS)
of the International Association of Geodesy (IAG)



A quien corresponda

Múnich, enero 22 de 2024

Carta de apoyo a la propuesta "GNSS-SDG: Contribuciones de los Sistemas Globales de Navegación por Satélite (GNSS) a la consecución de los Objetivos de Desarrollo Sostenible (ODS) atmosféricos y medioambientales: Análisis científico y económico"

Global Geodetic Observing System
of the International Association of Geodesy

Prof. Dr. Heiner Igel
Department für Geo- und Umweltwissenschaften
Geophysik
Ludwig-Maximilians-Universität München
Munich, Germany

**Letter of support and agreement to collaborate on the proposed
DGF Research Unit RING (Rotations IN Physics, Geophysics and Geodesy)**

Dear Prof. Dr. Igel,

Global Geodetic Observing System
of the International Association of Geodesy

Prof. Veronique Dehant
Royal Observatory of Belgium
Brussels, Belgium

**Letter of support and agreement to collaborate on the initiatives
GRACEFUL and NUTATION**

Dear Prof. Dehant,

Dr Jack Radcliffe
Jodrell Bank Centre for Astrophysics
University of Manchester
and Department of Physics
University of Pretoria,
Pretoria, South Africa

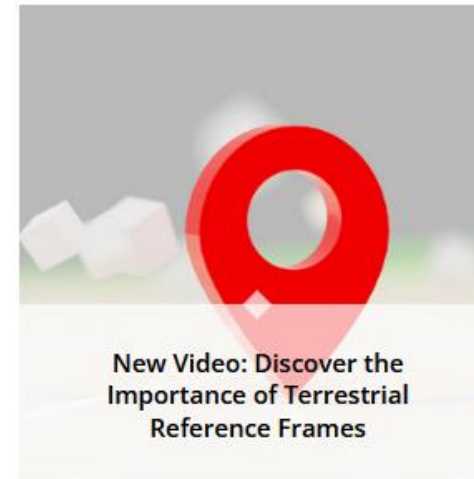
**Letter of support for the Africa-UK Physics Partnership (AUPP) Programme Application:
*Building the foundation for geodetic excellence in Africa***

Dear Dr Radcliffe,

This year in GGOS...



Latest GGOS Blog Posts



AGU2024 - Abstract Submission Open

We would like to draw your attention to our GGOS session G007 at the AGU2024 "Geodetic Standards for Improved Accurate and Consistent Earth Observation..."
June 19, 2024



This year in GGOS...

GGOS Days 2024: 58 in-person participants, 182 online participants.

