

Geodesy Division Business Meeting

April 23rd, 2025, 12-13 CEST, online



Agenda



- Statistics 2025
- Medals and Awards
 - Vening Meinesz Medal
 - Outstanding Early Career Scientist Award
- Structure of the Geodesy Division
- Report by the Geodesy ECS Representative
- Social media & networking
- EGU's Policy network
- Outlook 2026

Handover



Incoming Geodesy Division President

2025 - 2027

Roelof Rietbroek (Univ. Twente)

Official inauguration: Monday, April 28 during EGU Plenary





Statistics EGU25

Statistics 2025



19,285 active scheduled

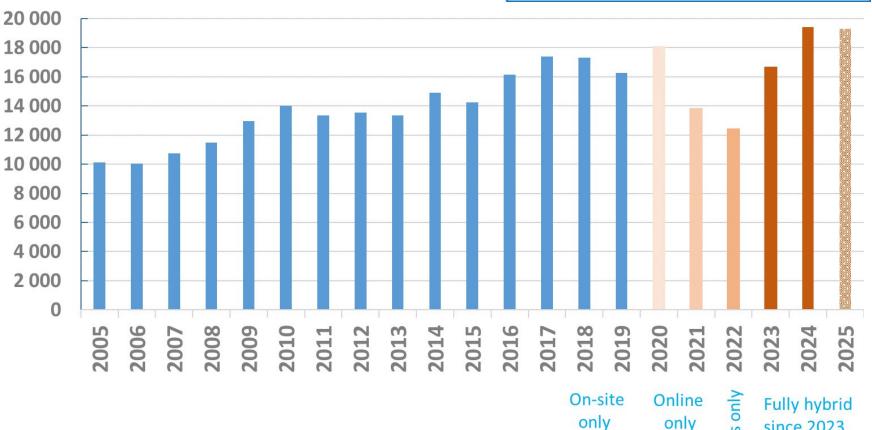
abstracts in 2025

1,099 active sessions in total (+7% EGU24):

- 730 disciplinary PG sessions, of which 48 are ITS sessions
- 62 short courses

••

• 9 Union Symposia and 9 Great Debates



up to 2019

Aluo since 2023

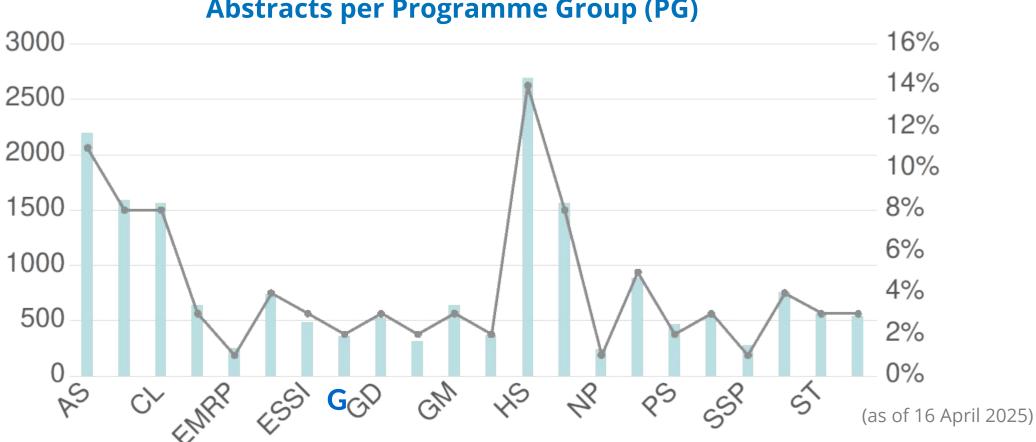




EGU23 main entrance Photo credit: Pfluegl 2023

- 1,099 active sessions in total (+7% EGU24):
- •730 disciplinary PG sessions, of which 48 are ITS sessions
- •20 Education and Outreach Sessions (EOS), incl. GIFT workshop
- •62 Short Courses + 2 Artist in Residence workshops
- •39 Medal and Award Lectures
- •9 Union Symposia and 9 Great Debates
- •146 Townhall & Splinter meetings scheduled
- ECS Networking, Science for Policy, and EDI Committee events





Abstracts per Programme Group (PG)

Statistics 2025 - Geodesy Sessions



•Session	•Title	• coorg	;. •	2025	•	oral blocks
•G0.1	Geodesy - From Invisible to Essential				•	1
•G1.1	Open Session in Geodesy with a Focus on Geodetic Theory		•	31	•	1
•G1.2	Machine Learning for Geodesy		•	25	•	1
•G2.1	Precise Orbit Determination []		•	20	•	1
•G2.2	•Terrestrial Reference Frames []		•	40	•	2
•G2.3	•GGOS: []		•	22	•	1
•G2.4	•High-precision GNSS []		•	32	•	1
•G2.5	•Applications of low-cost, mass-market and consumer-grade GNSS []	• x	•	9	•	1 PICO
•G2.6	Innovating GNSS-IR for environmental sensing	• x	•	9	•	0
•G3.1	•Geodesy for Climate Research		•	21	•	1
•G3.3	•Earth Rotation: []		•	21	•	1
•G3.4	 Measuring and modelling solid-Earth deformation [] 	• x	•	27	•	1
•G3.5	•[] Continental Deformation and Seismic Strain Accumulation	• x	•	24	•	1
•G4.1	•Satellite Gravimetry []		•	38	•	2
•G4.2	 Modern Concepts for gravimetric Earth observation 		•	20	•	1
•G5.1	Atmospheric and Environmental Monitoring []	• x	•	32	•	1
•G5.2	Geodetic observation methods for space weather		•	22	•	1
			•	393		

(submitted, without withdrawals)

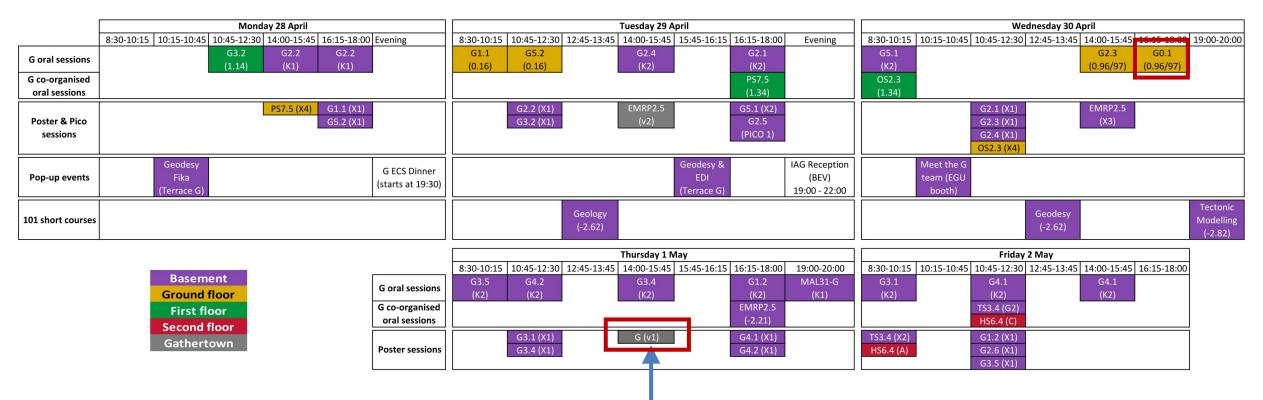
2024: 398 => almost the same number

Statistics 2025 - Geodesy Sessions



Se ion	TI Equal	ity, Diversity, Inclusion	coorg.	2025	oral blocks			
F0.	Geodesy - From Invisib	odesy - From Invisible to Essential			1			
G1.1 G1.2 G2.1 G2.2	Open Session in Geod Machine Learning for Precise Orbit Determin Terrestrial Reference F	with respect to	eflect	ct the entire G community				
G2.3 G2.4 G2.5	GGOS: [] High-precision GNSS [. Applications of low-co	affiliation						
G2.6 G3.1	Innovating GNSS-IR fo Geodesy for Climate R	16 out of 16 geodesy session	ons	1	00%			
G3.3 G3.4	Earth Rotation: [] Measuring and model	received the EDI logo		(2024: 87%, 2023: 100				
G3.5 G4.1 G4.2	[] Continental Deform Satellite Gravimetry [Modern Concepts for		sure your EGU profiles are up to date when organizing a session!					
G5.1 G5.2	Atmospheric and Envir	methods for space weather	, a 3033	22 1				
35.2	Geodetic observation	nethous for space weather		393	1			





Special Session: G0.1

- G0.1: Geodesy: From invisible to essential
- New discussion format (panel)

Let's make this a successful experiment!

Virtual posters:

- All geodesy virtual posters in TB3 on Thursday
- Individual poster booths in Gather.Town
- Guided poster tour in PICO Spot 1 (starting around 14:20)

Please show support to our virtual presenters!



How is the geodesy programme created?

- 1. Session proposal, acceptance, and abstract submission
- 2. Rough estimate of minimum **# of abstracts for each oral slot** by EGU and session merging based on this number
- 3. Assignment of **specific # of oral blocks** for Geodesy (this year: 18)
- 4. Assignment of **rooms to a cluster of four small divisions** (G, GD, GMPV, SM) => 92 time slots in 5 different rooms
- 5. **Negotiation** within the cluster to get rooms and time slots for Geodesy
- 6. Distribution of geodesy session into "our" oral blocks based on
 - size of sessions/rooms
 - number of time slots per session
 - requests for no overlap/back-to-back/days avoidance
 - time conflicts of conveners/speakers which have obligations in more than one session
 - scheduling of the corresponding poster session,...



Medals and awards

Outstanding Student and PhD Candidate Presentation (OSPP) Award



Geodesy Division 2024 OSPP Award:



Mario Moreno (DLR)



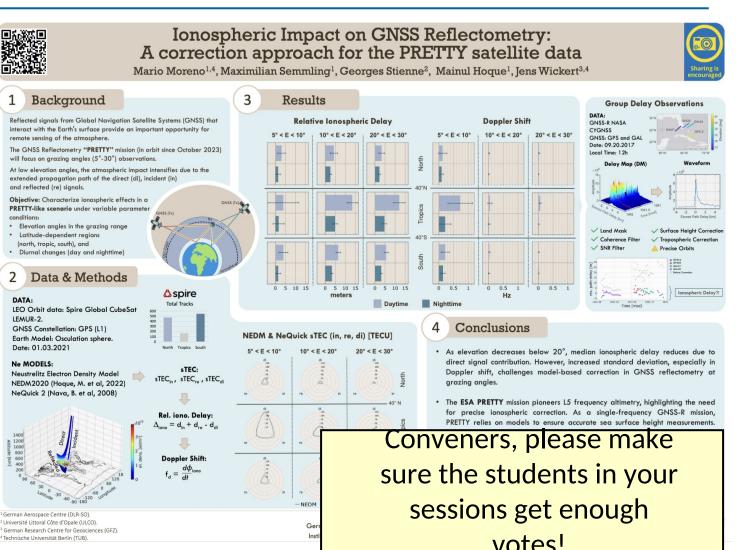
conditions:

2

DATA:

LEMUR-2.

Ne MODELS:



Ionospheric Impact on GNSS Reflectometry: A correction approach for the PRETTY satellite data

(Moreno, M.; Semmling, M.; Stienne, G.; Hoque, M.; Wickert, J.)



• The **2025 Vening Meinesz Medal is awarded to René Forsberg** for significant and impactful advancements in geodesy, geophysics, and cryosphere research, and for pioneering work, particularly in gravity field modelling and geoid determination.

 The 2025 Division Outstanding Early Career Scientists Award is awarded to Matthias Schartner or commendable efforts to modernize one of the fundamental pillars of geodesy – Very Long Baseline Interferometry (VLBI).

> Thank you to all nominators!



René Forsberg



Matthias Schartner

Medals and Awards



- Geodesy Division Medal & Award Ceremony 2025
- Thursday, May 1st, 19:00 20:00 CEST, room K1 & online
 - 19:00 19:05 Introduction (Roelof Rietbroek)
 - 19:05 19:20 ECS Award Presentation: Matthias Schartner
 - The art of VLBI scheduling
 - 19:20 19:25 Citation for René Forsberg (Jürgen Müller)
 - 19:25 19:55 Vening Meinesz Medal Lecture: René Forsberg
 - Gravity, climate and Quantumg
 - 19:55 20:00 Q&A



René Forsberg



Matthias Schartner



How to nominate? Where: When: What is required:		https://www.egu.eu/awards-medals/nominations/ from now to June 15 ECS = up to 7 years since highest degree (Jan. 1s of year the award is presented). Can be extended (child care, illness, etc.).				
		Division and Union Medals e.g. Vening Meinesz Medal				
	Nomination letter	1 page	½ page			
	Curriculum Vitae	2 pages	1 page			
	Selected bibliography	2 pages	½ page			
	Supporting letters	3-5 (max 1 page each)	- Please contribute by nominating your colleagues!!			



Structure of the Geodesy Division

The faces behind the Geodesy division 2025/26

- President (incoming)
 - Roelof Rietbroek (Uni Twente, Netherlands)
- President (outgoing)
 - Annette Eicker (HCU Hamburg, Germany)
- Deputy President (incoming)
 - Anna Klos (Military Univ. of Tech., Poland)
- Science Officers
 - Rebekka Steffen (Lantmäteriet, Sweden)
- Early Career Scientists Representatives
 - Marius Schlaak (incoming Rep, TU Munich, Germany)
 - Öykü Koç (outgoing Rep, Politecnico di Milano, Italy)
- Social Media Officer
 - Barbara Jenny (DTU Space, Denmark)
- Policy Officer
 - Öykü Koç (Politecnico di Milano, Italy)



Meet the Geodesy Division Team: Wed, 30 Apr, 10:15-10:45 (CEST), EGU Booth in poster area



Thank you!!

Outgoing Geodesy Division president



Annette Eicker (HCU Hamburg, Germany)



• Vening Meinesz Medal Committee

- Voting: Four past medalists and past president (A. Eicker) & past ECS awardee (2024)
- Non-voting (ex officio): Division President and EGU Award Committee Chair

• Committee 2026:

- René Forsberg
- Jeffrey Freymueller
- Jürgen Müller
- Peter Teunissen
- Bramha Vishwakarma
- Annette Eicker (Chair)
- Ex officio (not voting): Roelof Rietbroek, Marian Holness



• Programme Committee

- Division President (Chair) + Deputy-President + Science Officers
- Outstanding Early Career Scientist Award
 - Division President (Chair) + Deputy-President + Science Officers + Past Awardee



ECS Report



• The current ECS Representatives of the Geodesy Division are:

ECS Representative (Outgoing main)



Öykü Koç (Politecnico di Milano, Italy)

> Apr 2023-2025 (main) Apr 2025-2026 (co-)

ECS Representative (Incoming main)



Marius Schlaak (TU Munich, Germany)

Apr 2024-2025 (co-) Apr 2025 - ... (main

ecs-g@egu.eu



At the level of the 22 EGU Divisions, ECS representatives and their teams are the voice of ECS within EGU, *advocating for their needs and ensuring representation at the General Assembly and year-round*. Additionally, there is a Union-level ECS representative, who consolidates feedback and advocates for early career researchers' interests at the EGU's Programme Committee and Council.

During the year

- Working Groups (*Life-Career Wellness, Outreach* <u>& Communication, Activities & Impact, Equality</u>
 <u>Diversity & Inclusion</u>)
- Communication and outreach, including writing blog posts
- Running webinars, as well as virtual peer-to-peer seminars, panels, training and networking events.
- Science-policy activities, such as attending science-policy events and workshops and contributing to policy briefs and position papers

At the General Assembly

- Scientific Sessions
- Great Debates and Union Symposia
- Short Courses on a wide range of topics, such as science communication, grant writing, and career development
- Networking events, such as the ECS Networking & Careers Reception
- Mentoring programs
- Awards and recognitions
- Communication and outreach activities

Strengthening ties between ECS members **across scientific divisions and improving communication with ECS members** within the EGU to form an inclusive geosciences community.

Encouraging ECS to uphold **open science**, contributing actively to the EGU scientific programme to ensure a diversity of geoscientific views and ideas.



But we are not alone and we are growing! ECS team members are helping with social media, blog and general activities.



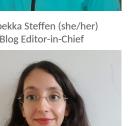
Öykü Koç (she/they) ECS Rep



Marius Schlaak (he/him) ECS Co- Rep



Rebekka Steffen (she/her) Blog Editor-in-Chief





Michela Ravanelli (she/her) **Blog Editor**



Barbara Jenny (she/her) Social Media



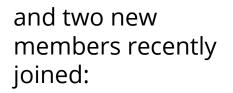
Bramha Dutt Vishwakarma (he/him) **Blog Editor**



Shivika Saxena (she/her) **Blog Editor**



Kiana Karimi (she/her) **Blog Editor**



Leire Retegui-Schiettekatte

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Bene Aschenneller (they/he) **Blog Editor**







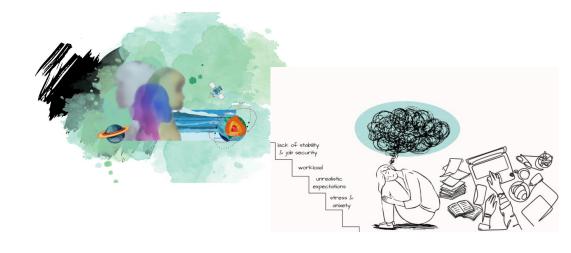
We talked about geodesy outreach, how you can get involved in some initatives ...



... of course there was also science, fieldwork, policy...



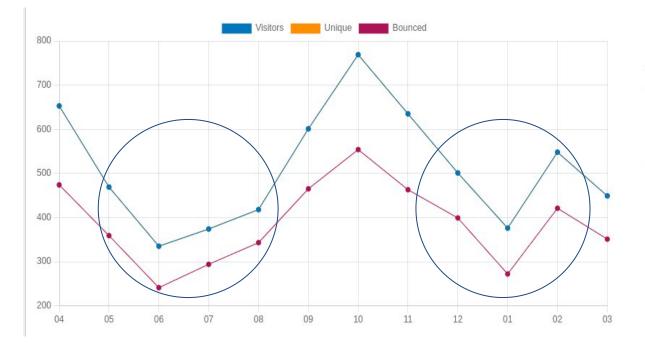
... and we talked about what it is like to be an ECS, coming from different backgrounds and having different experiences ...







Blog Posts: 18 posts between April 2024 and 2025



Welcome to the blog of the Geodesy Division of the European Geosciences Union. The blog serves to keep you posted on current research, news from the division and interesting geodesyrelated topics in general. It will also give room to feature young (early-career) scientists and their science. An enthusiastic team of (Early Career) Scientists (ECS) runs the blog. Are you interested in writing a blog entry or learning more about the ECS activities of the geodesy division? Please get in touch with the Editor-in-Chief, Rebekka Steffen, or the ECS Geodesy (G) Representative Öykü Koç and ECS G Co-Representative Marius Schlaak.



During vacation seasons, blog engagement drops. What would you like to see?

If you have an idea, geodesy related topic you would like to talk reach out to us!

ECS Activities 2024-2025: Webinar

•

We had the very first EGU and AGU Geodesy Division joint webinar, as part of the AGU series "The World Needs More Geodesists." This webinar will focus on the European geodesy landscape, exploring the diverse roles geodesists play both inside and outside of academia.

No worries if you missed it. Webinars are recorded and uploaded on EGU YouTube channel!





ECS Activities 2024-2025: Campfires



 3 campfire Share Your Research, and 1 upcoming in May 14th! Campfires are informal, not recorded online talks where you can talk about your research, get feedback and do some networking.



11th Share Your Research Campfire: May 14, 10:00 a.m. - 11:30 a.m. (CEST)

<u>Speakers</u>

Michela Ravanelli @ Sapienza University of Rome: Advancing GNSS Variometry: From Real-Time Scenarios to Real-Time Implementation for Enhanced Tsunami Early Warning Systems

Michal Cuadrat-Grzybowski @ Delft University of Technology presents:











Interested in giving a talk? Scan the code, fill out the form!



If you are afraid of giving presentations, it's the perfect environment to practice that skill.

If you want to understand how campfires work, join us in the next campfire!





Do not forget to add them to your programme!

ECS Pre-GA Icebreaker (G, GD, ST and PS Divisions)

When: Sun, 27 Apr, 15:00 - 18:30 (CEST)

Where: CopaBeach (just a few minutes away from the ACV). Coordinates: 48.2315, 16.4105

What to expect: Attending the EGU General Assembly for the first time? Want to get to know other early career scientists from your discipline or taste the interdisciplinary nature of geosciences? Then join us for the pre-GA Icebreaker organized jointly by Geodesy (G), Geodynamics (GD), Solar-Terrestrial Sciences (ST), and Planetary and Solar System Sciences (PS) division ECS Representatives. We plan to go to the EGU Opening Reception at the conference venue (ACV) afterwards. EGU Opening Reception starts at 18:30.

Geodesy Fika

When: Mon, 28 Apr, 10:15-10:45 (CEST)

Where: EGU networking zone - terrace G (purple level)

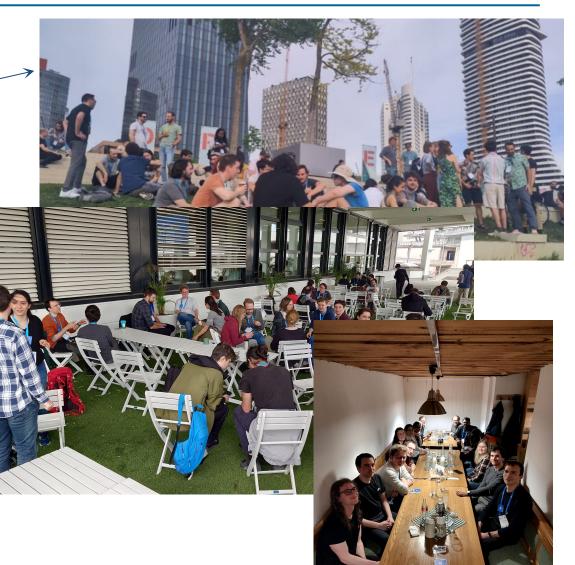
What to expect: It's a social gathering for Geodesy Early Career Scientists! Join us for the first coffee break at EGU25. We are looking forward to meeting you and hearing from you about your expectations from us, the ECS team, and GA25.

Early Career Scientists Geodesy Dinner

When: Mon, 28 Apr, starts at 19:30 (CEST)

Where: Information will be sent to those who registered. If you'd like to participate, please register here.

You can still sign up! We are more flexible this year for the number :)



ecs-g@egu.eu

ECS Activities at GA25



We also have some other division social activities:

Geodesy for Everyone - An Open Discussion on Advancing EDI

When: Tue, 29 Apr, 15:45–16:15 (CEST) Where: EGU networking zone – terrace G (purple level) What to expect: Join us for an informal coffee break chat about equity, diversity, and inclusion in geodesy. Bring your thoughts, questions, and curiosity – everyone's welcome!

Meet the Geodesy Division Team

When: Wed, 30 Apr, 10:15-10:45 (CEST)

Where: EGU Booth in the poster area

Come around to chat with us. There will be good coffee available, too. 🙂

What to expect: Would you like to meet the team behind activities related to Geodesy? Maybe you would like to understand more about how you can get involved with EGU Geodesy. Well, this is the perfect chance to come and say hi!

Geodesy Division Highlights at EGU25: Your Essential Guide

Öykü Koç and Marius Schlaak · April 7, 2025 · Division news, ECS, EGU General Assembly · No Comments



and some union-wide events we want to highlight:

How to navigate EGU: tips and tricks

When: Mon, 28 Apr, 10:45–12:30 (CEST) Where: Room -2.62 What to expect: Are you unsure about how to

What to expect: Are you unsure about how to bring order to the extensive program of the General Assembly? Are you wondering how to tackle this week of science and outreach? Then this is the short course for you! https://meetingorganizer.copernicus.org/EGU25/session/53307

Are you a first-timer at GA and feeling overwhelmed? Don't know how to navigate at the conference centre and in Vienna? Then, why not consider checking out this EGU Webinar "How to Prepare for the General Assembly"? Also, check out this blog post and set up your EGU profile and things you want on your name badge!

Mentor-Mentee Meet Up

When: Tue, 29 Apr, 12:45–13:45 (CEST) Where: Rooftop Foyer

What to expect: Are you a mentee or a mentor? Here is the perfect chance to catch up with your mentor/mentee! If you need some insight into the mentoring scheme, check out our recent blog post where we talk about experiences and perspectives.

ECS Networking Reception

When: Tue, 29 Apr, 18:00–19:30 (CEST)
Where: Rooftop Foyer
What to expect: There is no registration and you are all invited to join the reception, where we have a chance to connect to ECSs from other divisions!

Do you want to know more about how to network at GA25? Check out this blog post on GeoLog.

ECS Forum: Have your say!

When: Thu, 01 May, 12:45–13:45 (CEST) Where: Room 3.16/17 What to expect: We would like to get your feedback!

ecs-g@egu.eu

Geodesy ECS activities in the upcoming year (2025-2026)



- be more present in EGU ECS working groups at union level e.g. organizing workshops during the year, webinars etc.
- more frequent blog posts, <u>but need for more authors</u>
- regular campfires do you want to present or listen to someone specific? Let us know

We are growing and taking more and more responsibilities, so, we need your help! Interested in joining the **G division ECS team**, contact us...

How to Get in Contact and Stay Up-to-Date:



• E-Mail:

Our link tree for our socials and subscription to the mailing lists

ecs-g@egu.eu



• Social Media:

@g.egu.eu

EGU Geodesy division

@eguGeodesy

We are not active on X (ex-Twitter) anymore!!

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Geode	esy A blog hosted by the European Geosciences Union	1
S	EGU Geodesy on BlueSky	1
in	EGU Geodesy Division LinkedIn	I
	Subscribe to EGU Geodesy mailing list	

be to EGU Geodesy ECS mailing lis

Do not hesitate to contact us if you want to contribute, want to raise an issue, or have suggestions for improvement!

Posting about #EGU25?

- → #EGU25_G
- → Tag us: @g.egu.eu on BlueSky



EGU's Policy Network

Geodesy in EGU's policy network



Point of contacts





Chloe Hill EGU Policy Manager

Öykü Koç EGU G Division Policy Officer

Check out EGU25 Science for Policy Programe here



What can we do?

- provide information about upcoming policies, facilitate linkage between divisions in the EGU, and share relevant policy opportunities and resources to help you engage *e.g. EGU science policy events, science policy pairing schemes, science policy taskforces (the new Climate Hazard and Risk Task Force!)*
- collective action and feedback from an EGU standpoint which involves community input *e.g. EU Have your say - Public Consultations and Feedback*

Contact <u>g@egu.eu</u> or <u>policy@egu.eu</u> for more information

To keep up to date: egu.eu --> policy --> news





May 3-8, 2026 Vienna

Sign up as a mentor for EGU's Mentoring programme 2026

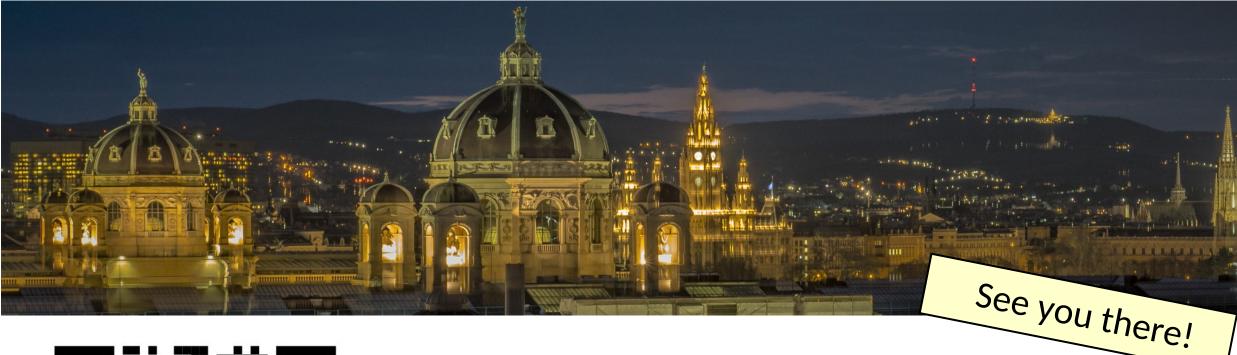
- Bring newcomers/ECS and more established scientists together
- Exchange ideas and provide advice: e.g. how to navigate the GA
- After registration, a system will match mentees with mentors
- Flexible low-effort format :
 - ~3 quick meetings over the week
 - Mentors are encouraged to introduce mentee to their peers

Experience report on our geodesy division blog: https://blogs.egu.eu/divisions/g/2023/03/03/egusmentoring-programme/



IAG/GGOS Reception @ EGU25







IAG/GGOS Reception @ EGU25

Tuesday, April 29th, 19:00 CEST

BEV, Schiffamtsgasse 1-3, 1020 Vienna – 8th floor

Registration re-opens now.

Make sure to get your spot!

https://ggos.org/event/iag-geodesy-reception-2025/



Thank you to IAG & GGOS!!