



Geodesy Division Business Meeting

April 19th, 2023, online

- Statistics 2023
- 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

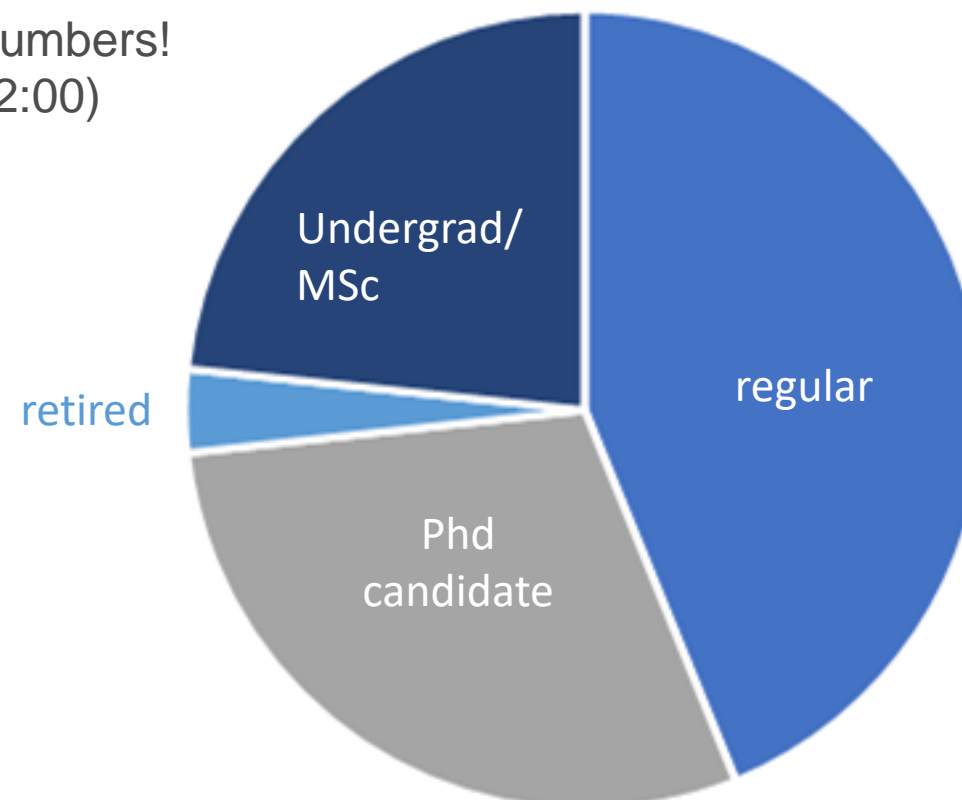
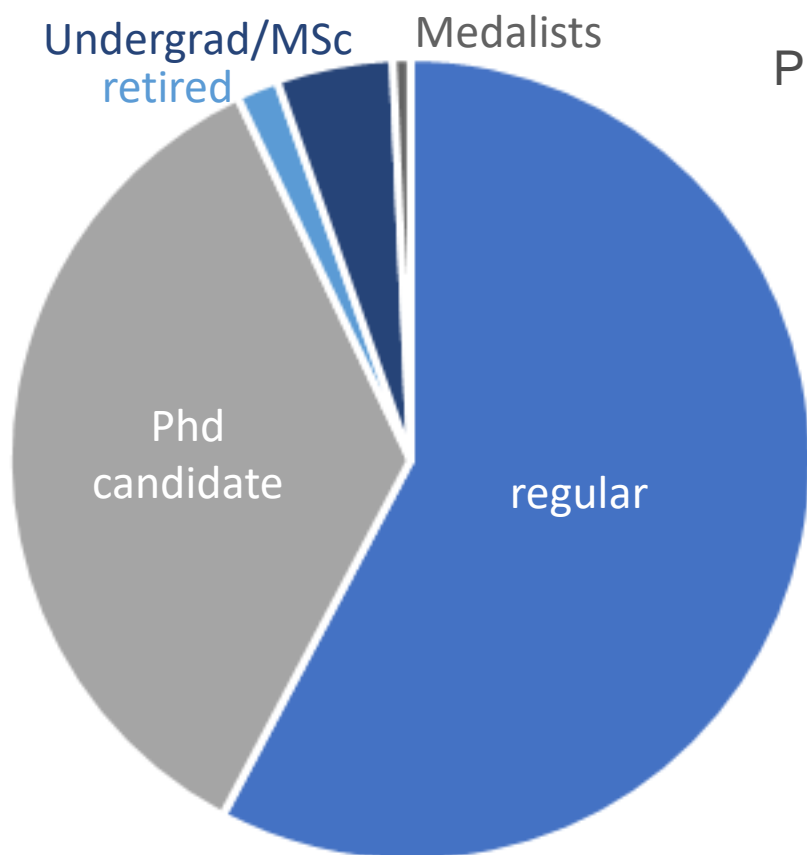
Statistics EGU23

on-site

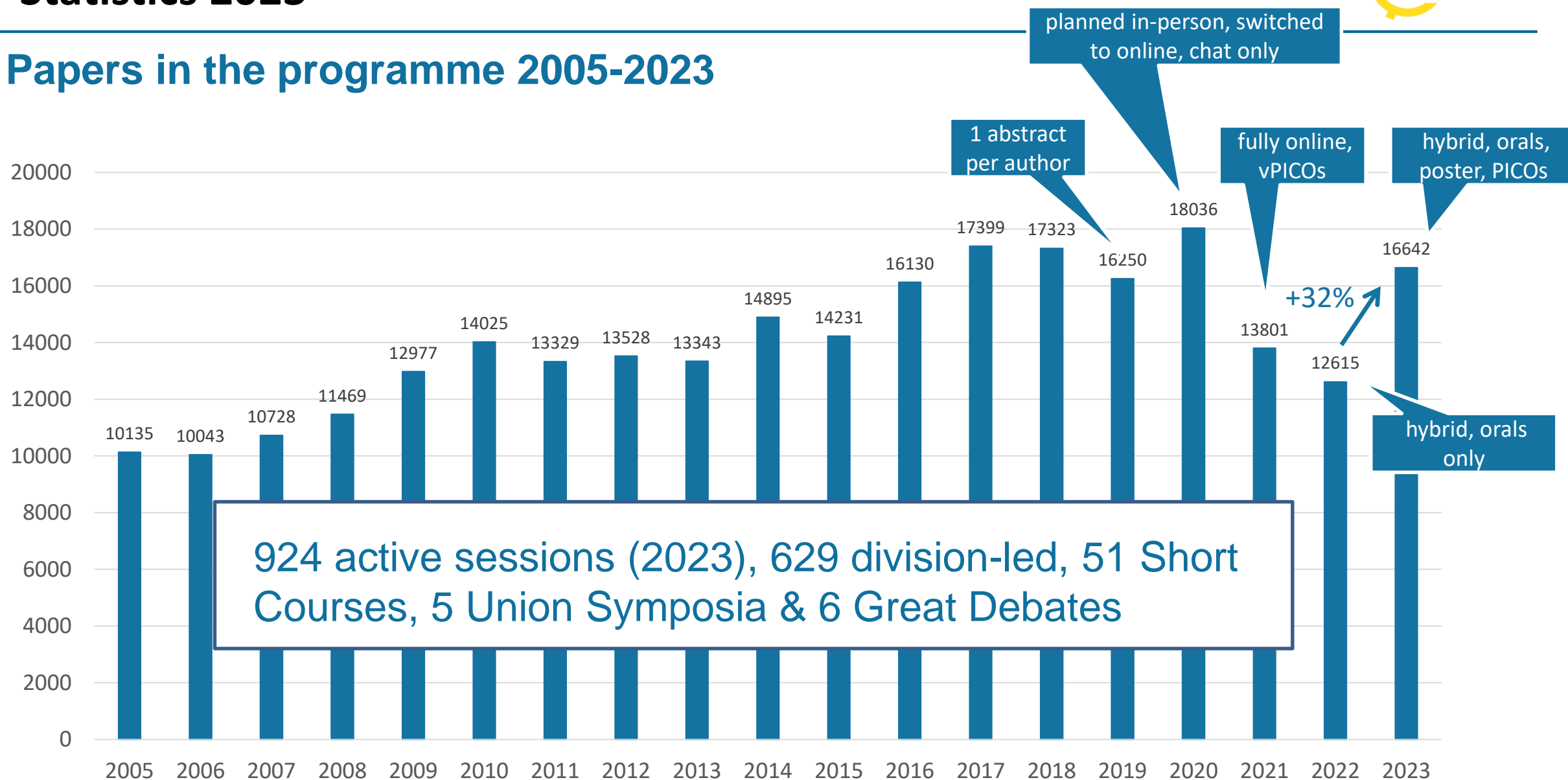
- 12,810 on-site registrations
- On-site participants: 103 countries

virtual

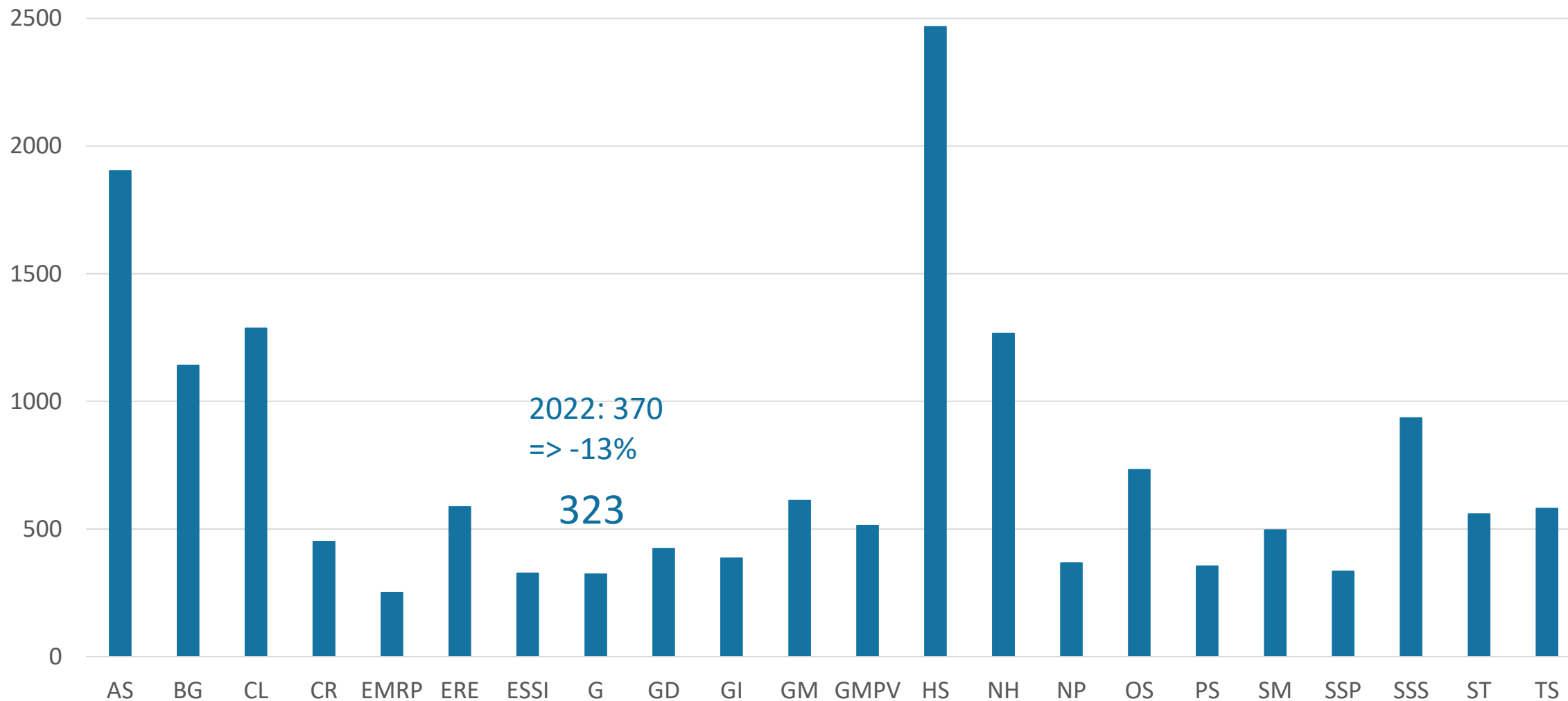
- 1,885 virtual registrations
- Virtual participants: 92 countries



Papers in the programme 2005-2023



Abstracts 2023 per programme group



Statistics 2023 - Geodesy Sessions

Session	Title	coorg.	2023	time blocks	2022
G1.2	High-precision GNSS ...		20	1	28
G1.3	Mathematical methods [...] machine learning		21	1	13 + 11
G1.5	Recent [...] geodetic theory and gravity field estimation		27	2	14 + x
G2.1	Precise Orbit Determination ...		25	1	20
G2.2	The International Terrestrial Reference ..		23	1	19
G2.3	GGOS & Earth Rotation		27	2	14 + 20
G3.1	Geodesy for Climate Research	x	26	2	24
G3.3	Glacial Isostatic Adjustment...	x	17	1	28
G4.1	Satellite Gravimetry ..		38	2	28
G4.2	Modern Concepts [...] of the Earth Gravity Field		37	2	21 + 13
G4.3	Gravity and magnetic field data [...]	x	15	1 PICO	29
G4.4	New Tools for Terrain Gravimetry		13	1	12
G5.1	Ionosphere, thermosphere,...		11	1 PICO	16
G5.2	Atmospheric and Environmental...+ extreme weather	x	19	1	26
G6.1	Open session & satellite altimetry		21	1	13
			327	20	all: 370

(submitted, without withdrawals)



Equality, Diversity, Inclusion

Session Title	coorg.	2023	time blocks	2022
G1.2 High-precision GNSS ...				
G1.3 Mathematical methods [...]				
G1.5 Recent [...] geodetic theories				
G2.1 Precise Orbit Determination				
G2.2 The International Terrestrial Reference Frame				
G2.3 GGOS & Earth Rotation				
G3.1 Geodesy for Climate Research				
G3.3 Glacial Isostatic Adjustment				
G4.1 Satellite Gravimetry ..				
G4.2 Modern Concepts [...] of the Earth's Gravity Field				
G4.3 Gravity and magnetic field				
G4.4 New Tools for Terrain Gravimetry				
G5.1 Ionosphere, thermosphere				
G5.2 Atmospheric and Environmental Geodesy				
G6.1 Open session & satellite altimetry				
		327	20	all: 370

Convener teams should be diverse with respect to

- gender
- affiliation
- career stage

14 out of 14 geodesy sessions received the EDI logo!!

100%

(2021: 70%, 2022: 94%)

Thank you!!



The Geodesy programme @EGU23

Monday 24 April							Tuesday 25 April						Wednesday 26 April			
	8:30-10:15	10:15-10:45	10:45-12:30	14:00-15:45	16:15-18:00	19:00-	8:30-10:15	10:15-10:45	10:45-12:30	14:00-15:45	16:15-18:00	19:00-	8:30-10:15	10:45-12:30	14:00-15:45	16:15-18:00
G oral sessions	G2.3 (-2.91)		G2.3 (-2.91)	G2.2 (-2.91)			G5.2 (-2.91)		G1.2 (-2.91)	G4.1 (D2)	G4.1 (D2)		G4.2 (D3)	G4.2 (D3)	G1.5 (0.14)	G1.5 (0.14)
G co-organised oral sessions				TS3.7 (K1)	TS3.7 (K1)					OS4.2 (1.14)						NP5.2 (-2.31)
Poster sessions					G2.2 (X2) G2.3 (X2)					NP5.2 (X4)	G5.2 (X2) G1.2 (X2) TS3.7 (X2) OS4.2 (X5)			EMRP2.9 (X2)	G4.1 (X2) G4.2 (X2)	
Pop-up events		Geodesy Fika (Terrace G)				G ECS Dinner (Oide Donau)		Meet the G team (Terrace G)				IAG reception (TUtheSky)				
101 short courses					Geodesy (-2.85/86)						Geology (-2.85/86)					Seismology (-2.85/86)

Basement
Ground floor
First floor

Thursday 27 April							Friday 28 April			
	8:30-10:15	10:15-10:45	10:45-12:30	14:00-15:45	16:15-18:00	19:00-20:00	8:30-10:15	10:45-12:30	14:00-15:45	16:15-18:00
G oral sessions	G1.3 (-2.47/48)		G2.1 (-2.47/48)	G3.3 (-2.47/48)		MAL30 (D1)	G3.1 (0.11/12)	G3.1 (0.11/12)	G6.1 (0.11/12)	
G co-organised oral sessions	EMRP2.9 (-2.21)		EMRP2.9 (-2.21)	EMRP2.9 (-2.21)			GMPV8.1 (D1)	GMPV8.1 (D1)		
Pico sessions					G4.3 (Pico 3a)		G5.1 (Pico 3a)			
Poster sessions					G1.5 (X2) G3.3 (X2) G3.1 (X2) G6.1 (X2)		G1.3 (X2) G2.1 (X2)			GMPV8.1 (X2)
101 short courses					Geodynamics (-2.85/86)					

See EGU Geodesy Blog!

Medals and awards

Outstanding Student and PhD Candidate Presentation (OSPP) Award

Geodesy Division 2022 OSPP Award:



Yosra Afrasteh
(TU Delft)

New realization for European vertical reference system; a first attempt to include the hydrodynamic leveling data
(Y. Afrasteh, C. Slobbe, M. Sacher, R. Klees, H. Guarneri, L. Keyzer, J. Pietrzak, M. Snellen, and F. Zijl)

Conveners, please make
sure the students in your
sessions get enough votes!



Oliver Pollard
(University of Leeds)

Investigating the Sensitivity of North Sea Glacial Isostatic Adjustment during the Last Interglacial to the Penultimate Deglaciation of Global Ice Sheets
O. Pollard, N. Barlow, L. Gregoire, N. Gomez, V. Cartelle, J. Ely, and L. Astfalck

Medals and Awards

- The **2023 Vening Meinesz Medal** is awarded to **Jürgen Müller** for his outstanding contribution to the advancement of modern geodesy, in particular for his scientific leadership in the field of Lunar Laser Ranging.
- The **2023 Division Outstanding Early Career Scientists Award** is awarded to **Rebekka Steffen** for her outstanding interdisciplinary contributions on the interface of geodesy and tectonophysics.



Jürgen Müller



Rebekka Steffen

Medals and Awards

- Geodesy Division Medal & Award Ceremony 2023
- Thursday, April 27th, 19:00 – 20:00 CEST, room D1 & online
 - 19:00 – 19:05 Introduction (Annette Eicker)
 - 19:05 – 19:20 **ECS Award Presentation: Rebekka Steffen**
 - *Geodesy meets tectonophysics: Advancing our estimates of glacial isostatic adjustment*
 - 19:20 – 19:25 Citation for Jürgen Müller (Harald Schuh)
 - 19:25 – 19:55 **Vening Meinesz Medal Lecture: Jürgen Müller**
 - *Benefit of Quantum Technology for Geodesy*
 - 19:55 – 20:00 Q&A



Jürgen Müller



Rebekka Steffen

How to nominate?

Where: <https://www.egu.eu/awards-medals/nominations/>

When: from now to June 15

What is required:

ECS = up to **7 years** since highest degree (Jan. 1st of year the award is presented). Can be extended (child care, illness, etc.).

	Division and Union Medals e.g. Vening Meinesz Medal	Outstanding Early Career Scientists Awards
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!!

Medals and Awards

How to nominate?

← → ↺ 🏠 🔒 https://www.egu.eu/awards-medals/nominations/ 📄 ⋮ 📁 ☆ ⬇ 📄 📄 📄

Submit a new nomination

Awards & medals nominations for the year 2024 are **currently open**. The deadline for submissions is 15 June 2023. Please read the guidelines above carefully before submitting a nomination.

EGU members can nominate candidates for all EGU awards and medals. If you are an EGU member, please use the [members' awards & medals nomination form](#) to propose a candidate for the year 2024.

Non-EGU members can only nominate candidates to the EGU Angela Croome Award. If you are not an EGU member, please use the [public nomination form](#) to propose a candidate for the Angela Croome Award for the year 2024.

<https://www.egu.eu/awards-medals/nominations/>

Nomination letter,
CV, bibliography

Nomination details

Award [■]

Select the award for which you are nominating a candidate. Please note that several awards, including Julius Bartels Medal, Petrus Peregrinus Medal and Runcorn-Florensky Medal, are only offered in alternating years and will not appear in the menu during an off year.

Division Outstanding Early Career Scientist Awards

Division

Geodesy (G)

Name (nominee) [■]

Email (nominee) [■]

Postal address (nominee) [■]

Date highest degree qualification obtained

YYYY-MM-DD



Nomination package [■]

Either upload a single PDF file or a ZIP/TAR/TGZ archive containing multiple PDF documents (max. file size 50 MB)

Browse...

No file selected.

Structure of the Geodesy Division

Structure of Geodesy Division

- **President:**
 - Annette Eicker
(HCU Hamburg, Germany, 2021 - 25)
- **Deputy-President**
 - Roelof Rietbroek
(Uni Twente, Netherlands, 2021 - 24)
- **Science Officers**
 - Xavier Collilieux (ENSG/IPGP, France, 2021 - 25)
 - Anna Klos (Military Univ. of Tech., Poland, 2021 – 25)
 - Rebekka Steffen (Lantmäteriet, Sweden, 2023 – 25)
- **Early Career Scientists Representatives**
 - Andreas Kvas (Uni Graz, Austria, 2022-24)
 - Öykü Koç (Co-Rep, Politecnico di Milano, Italy, 2023-24)



Meet the Geodesy Division Team: Tue, April 25th, 10:00-10:45 (Pop-up Networking Event, Terrace G)

- **Vening Meinesz Medal Committee**
 - Voting: Four past medalists and past president (J. Böhm) & past ECS awardee (2022)
 - Non-voting (ex officio): Division President and EGU Award Committee Chair

- **Committee 2024:**
 - Jürgen Müller
 - Peter Teunissen
 - Chris Jekeli
 - Willi Freeden
 - Kristel Chanard
 - Johannes Böhm (Chair)
 - Ex officio (not voting): Annette Eicker, Thomas Blunier

- Next election of the Geodesy Division President this autumn!
- President-Elect from 2024 - 2025, starting as Division President with GA 2025
- Submit nominations until September 2023 (you can also nominate yourself!).

ECS Report

Report by the Geodesy ECS Representative

- The current ECS Representatives of the Geodesy Division are:

ECS Representative



Andreas Kvas
(Wegener Center for Climate and
Global Change, Austria)

ECS Co-Representative (Outgoing) ECS Co-Representative (Incoming)



Rebekka Steffen
(Lantmäteriet, Sweden)



Öykü Koç
(Politecnico di Milano, Italy)

Report by the Geodesy ECS Representative

- The full team:



Öykü



Rebekka



Andreas



Marius Schlaak
(TU Munich)

What is the Role of an ECS Representative?

Being the voice of ECS within the division and the EGU

- Provide an inclusive and diverse environment for (scientific) exchange
- Motivate and encourage fellow ECS to contribute to EGU activities

Interact with the ECS community

- Facilitate networking (online and offline)
- Update the ECS about important decisions
- Collect ideas and suggestions

Interact with ECS Representatives of the other divisions

- Work on council proposals and action items
- Contribute to ECS working groups
- Discuss potential issues

Interact with the division team

- Forward ECS issues to the division president
- Organization of events throughout the year
- Preparation of the General Assembly

What is the Role of an ECS Representative?

- Part of the division team
 - Planning and organization of events, general support of the division team
 - Forward ECS issues to the division president
 - Communicate important decisions to the ECS community
- Meetings with all division ECS Representatives
 - Online Meeting every 6 weeks
 - Splinter meetings for action items
 - In-person (hybrid) semiannually + before the General Assembly
- Meetings within ECS working groups
 - Connectivity, Jobs and Careers, Life-work Balance, Awards and Medals, Pride
 - Working groups are not exclusive for ECS Representatives: Contact us if you want to contribute!

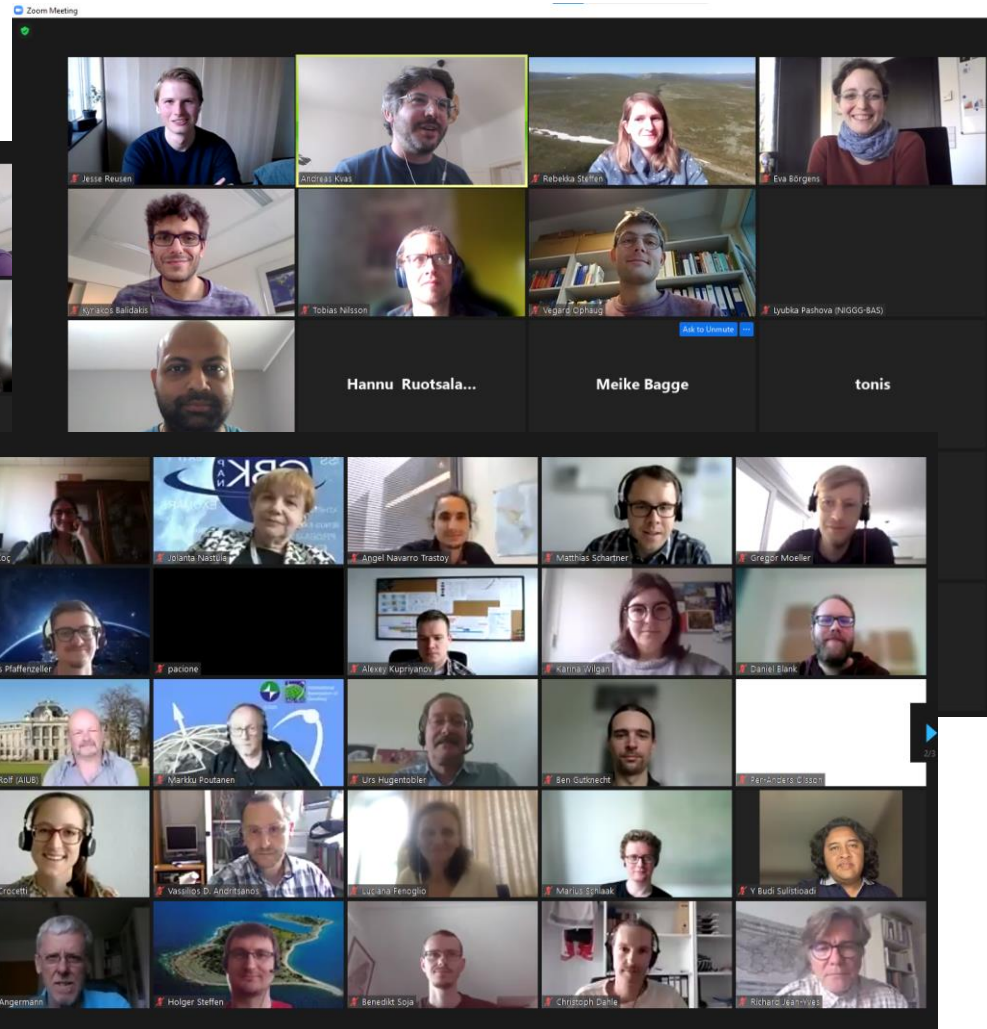
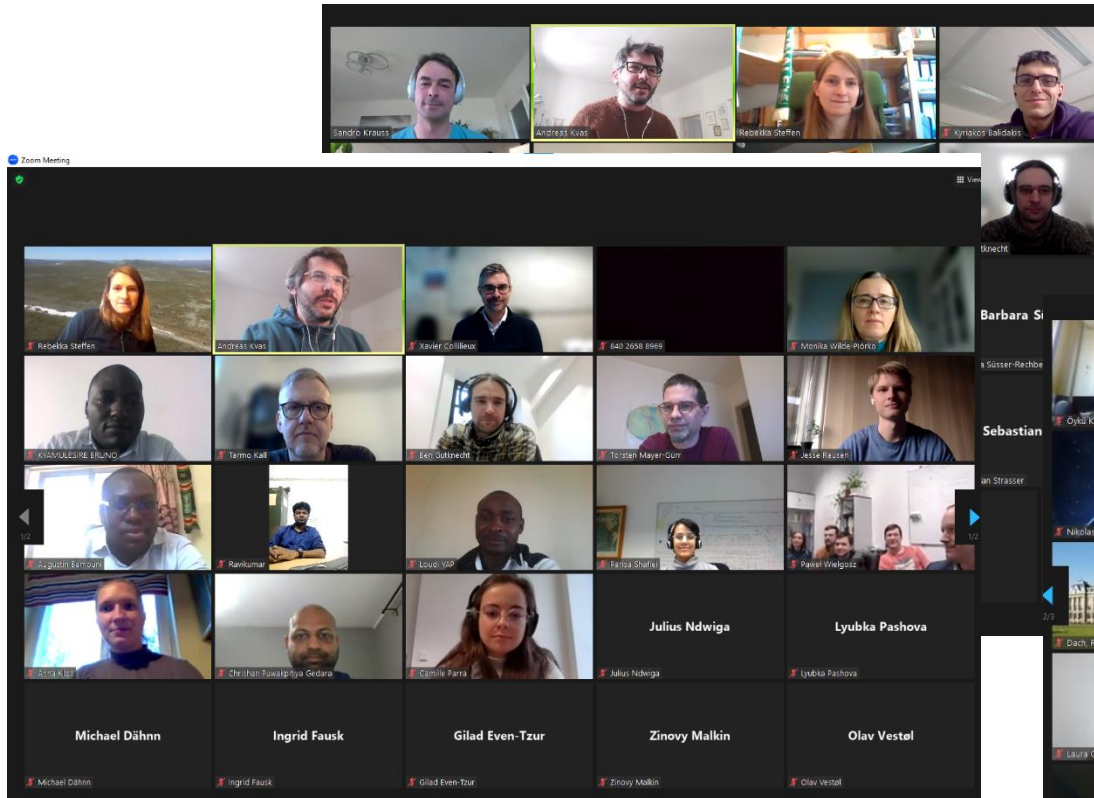
What is the Role of an ECS Representative?

- Meetings between all ECS Representatives and all Division Presidents
 - In-person (hybrid) annually
- Prepare council proposals
- Contribute to division and EGU-wide events
 - Campfires, webinars, networking, General Assembly, ...

ECS Activities 2022/2023

- Campfires: “Share your Research” and “Geodesy 101”

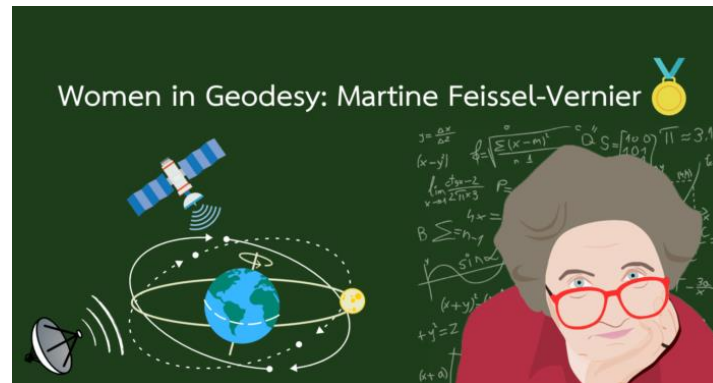
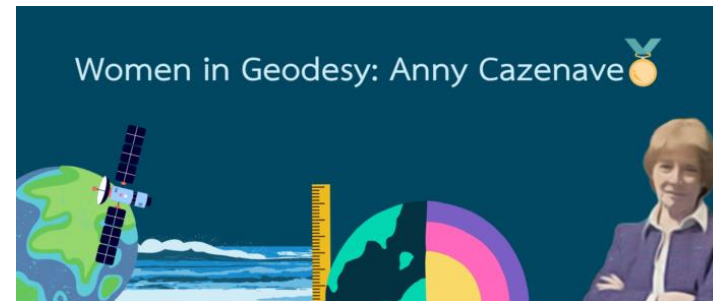
Thanks to all the speakers and attendees!



- Webinar “How To Measure The Earth - An Introduction To Geodesy”
 - Recording available on YouTube: <https://www.youtube.com/watch?v=tc36xbZtcxw>



- Blog Posts: 12 posts, 90 average weekly visitors (increased from 60 last year)
 - New Series: Women in Geodesy (initiated and led by Öykü)



- Subscribe to the blog to get notified when we post: <https://blogs.egu.eu/divisions/g/>

Geodesy

What's up for geodesy during the upcoming EGU23?

Rebekka Steffen · April 14, 2023

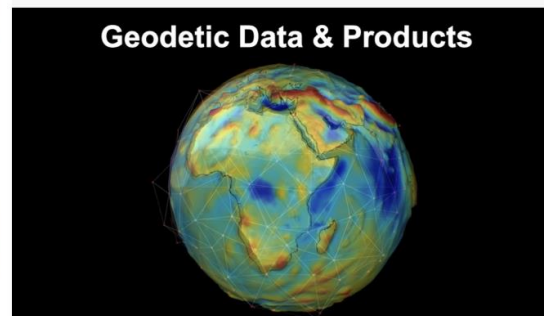


Austria Center in Vienna. Photo credit: Holger Steffen

It's this time of the year again when we all try to meet up in Vienna and talk about our latest scientific results and more importantly network with old and new colleagues. The EGU General Assembly (GA) will be a hybrid meeting this year again: (v)EGU23. There will

Geodetic Data and Products – Idea of a Central Access Point

Martin Sehnal and edited by Rebekka Steffen · April 3, 2023



The services of the International Association of Geodesy (IAG) provide very important and valuable geodetic data, information, and data products that are increasingly relevant for Earth System research, including monitoring of global change phenomena and a wide

ABOUT

Welcome to the [blog](#) of the [Geodesy \(G\) Division](#) of the [European Geosciences Union](#) (EGU). The blog serves to keep you posted on current research, news from the division and interesting geodesy-related topics in general. It will also give room to feature young (early-career) scientists and their science. The blog is maintained by Andreas Kvas and Rebekka Steffen, cooperating closely with the geodesy division president and deputy presidents.

SUBSCRIBE TO BLOG

Your email:

Subscribe

- (Co-)Organization of short courses and networking events at EGU23

SC4.2 **EDI** 🌟

Geodesy 101 ▶

Co-organized by CR8/G7/GD11/HS11/SM9/TS15

Convener: Rebekka Steffen^{ECS} Q | Co-conveners: Thomas Knudsen Q, Andreas Kvas^{ECS} Q, Benedikt Soja^{ECS} Q, Kristian Evers Q

★ Mon, 24 Apr, 16:15–18:00 (CEST) ■ Room -2.85/86

SC2.3 **EDI** 🌟

How to build and grow your scientific network ▶

Co-organized by GM12/NH12/OS5/PS9

Convener: Andreas Kvas^{ECS} Q | Co-conveners: Megan Holdt^{ECS} Q

★ Mon, 24 Apr, 10:45–12:30 (CEST) ■ Room 0.96/97

SC2.7

Surviving in Academia as a Parent ▶

Co-organized by GM12/NH12/OS5/PS9

Convener: Johanna Kerch^{ECS} Q | Co-conveners: Rebekka Steffen^{ECS} Q, Bart Root^{ECS} Q, Gerald Raab^{ECS} Q

★ Mon, 24 Apr, 14:00–15:45 (CEST) ■ Room -2.61/62

SC2.6

Mind your head: Life-Work-Balance - What does it mean? ▶

Co-organized by GM12/NH12

Convener: Saioa A. Campuzano^{ECS} Q | Co-conveners: Rebekka Steffen^{ECS} Q, Anita Di Chiara Q, Silvia De Angeli^{ECS} Q, Selina Kiefer^{ECS} Q

★ Thu, 27 Apr, 14:00–15:45 (CEST) ■ Room -2.61/62

SC3.4 **EDI** 🌟

Mind your Head: Scared of giving presentations? ▶

Co-organized by GM12/NH12/PS9

Convener: Maxime Grandin^{ECS} Q | Co-conveners: Anita Di Chiara Q, Saioa A. Campuzano^{ECS} Q, Rebekka Steffen^{ECS} Q, Janina J. Nett^{ECS} Q


★ Mon, 24 Apr, 16:15–18:00 (CEST) ■ Room -2.61/62

- (Co-)Organization of short courses and networking events at EGU23

Geodesy ECS Dinner ▶

Organized by Rebekka Steffen | Co-organized by: Andreas Kvas, Öykü Koç, Marius Schlaak

Location: Oide Donau (Arbeiterstrandbadstraße 128, 1220 Wien)

★ Mon, 24 Apr, 19:00–22:00 CEST 

Tags: Social, Division event, Early Career Scientist (ECS), Networking

Geodesy Fika ▶

Organized by Rebekka Steffen | Co-organized by: Andreas Kvas, Öykü Koç, Marius Schlaak

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

★ Mon, 24 Apr, 10:15–10:45 CEST 

Tags: Social, Division event, Early Career Scientist (ECS), Networking

Meet the Geodesy Division Team ▶

Organized by Annette Eicker | Co-organized by: Andreas Kvas, Rebekka Steffen, Roelof Rietbroek, Anna Klos

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

★ Tue, 25 Apr, 10:00–10:45 CEST 

Tags: Early Career Scientist (ECS), Networking

Geodesy ECS activities in the upcoming year (2023-2024)

- Continuing with the **blog articles**:
 - “Geodesists on Tour” series
 - “Women in Geodesy” series
 - Let us know, if you want to contribute as an author or editor!
- **Geodesy 101 short course**
 - Continuing with both online and GA short course installments
- Continuing with the **Networking Events** throughout the year for ECSs
- Expanding the ECS Geodesy Team

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:



ecs-g@egu.eu



g@egu.eu

- Social Media:



@EGU_Geodesy



@eguGeodesy

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

Tweeting about #EGU23?

⇒ **#EGU23_G**

⇒ **Tag us: @EGU_Geodesy**

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

- EGU G Division Mailing Lists:
 - ecs-g@list.egu.eu
 - g@list.egu.eu

On www.egu.eu:



[EGU home](#) | [General Assembly 2023](#)

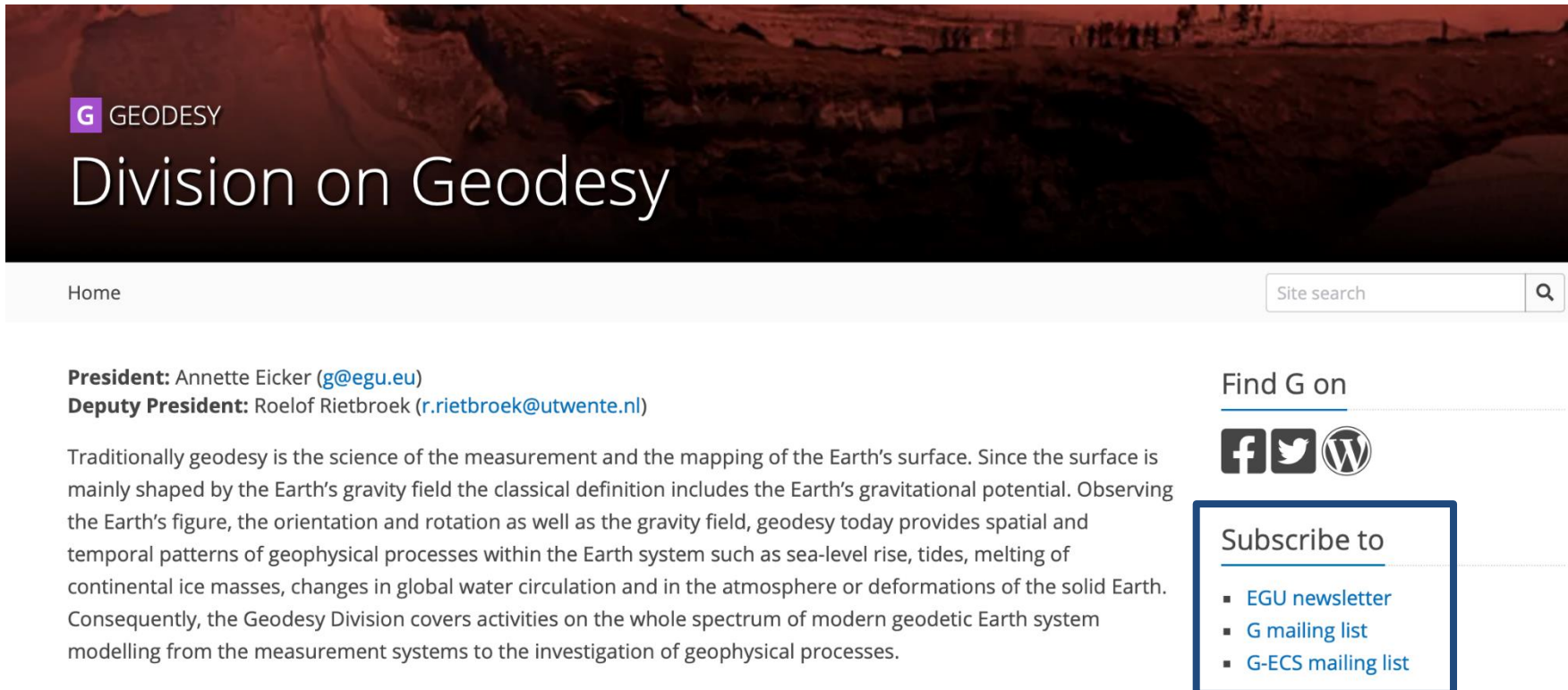
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How to Get in Contact and Stay Up-to-Date:

- EGU G Division Mailing Lists:
 - ecs-g@list.egu.eu
 - g@list.egu.eu

On www.egu.eu:



The screenshot shows the homepage of the EGU G Division on Geodesy. The header features a dark, reddish-brown background with a landscape image. On the left, there is a purple square with a white 'G' followed by the text 'GEODESY' and 'Division on Geodesy' in large white letters. Below the header, there is a navigation bar with a 'Home' link on the left and a 'Site search' box on the right. The main content area is divided into two columns. The left column contains the names and email addresses of the President (Annette Eicker) and Deputy President (Roelof Rietbroek). Below this is a paragraph of text describing the division's focus on geodesy and Earth system modelling. The right column has a 'Find G on' section with social media icons for Facebook, Twitter, and WordPress. Below that is a 'Subscribe to' section with a blue border, containing links to the EGU newsletter, G mailing list, and G-ECS mailing list.




G GEODESY
Division on Geodesy

Home

President: Annette Eicker (g@egu.eu)
Deputy President: Roelof Rietbroek (r.rietbroek@utwente.nl)

Traditionally geodesy is the science of the measurement and the mapping of the Earth's surface. Since the surface is mainly shaped by the Earth's gravity field the classical definition includes the Earth's gravitational potential. Observing the Earth's figure, the orientation and rotation as well as the gravity field, geodesy today provides spatial and temporal patterns of geophysical processes within the Earth system such as sea-level rise, tides, melting of continental ice masses, changes in global water circulation and in the atmosphere or deformations of the solid Earth. Consequently, the Geodesy Division covers activities on the whole spectrum of modern geodetic Earth system modelling from the measurement systems to the investigation of geophysical processes.

Find G on

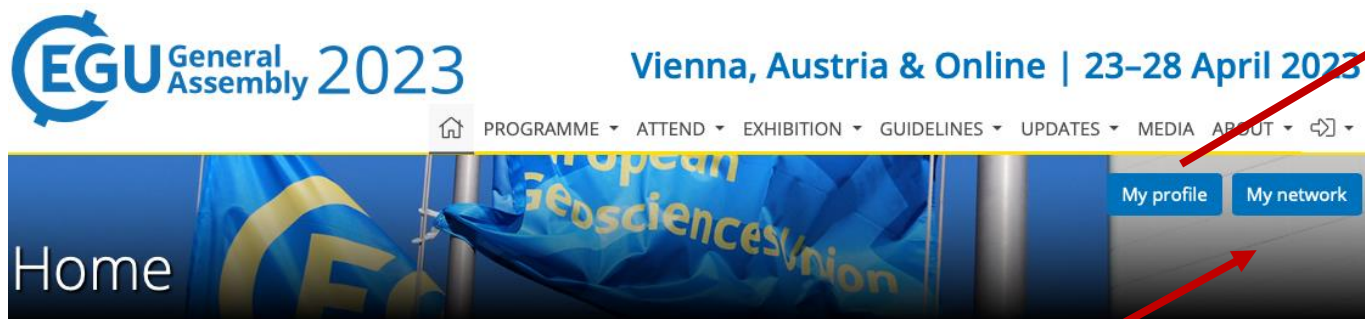
Subscribe to

- [EGU newsletter](#)
- [G mailing list](#)
- [G-ECS mailing list](#)

Hybrid Networking at EGU23

Have you already set up your EGU profile?

On www.egu23.eu



Step 2: Create your network

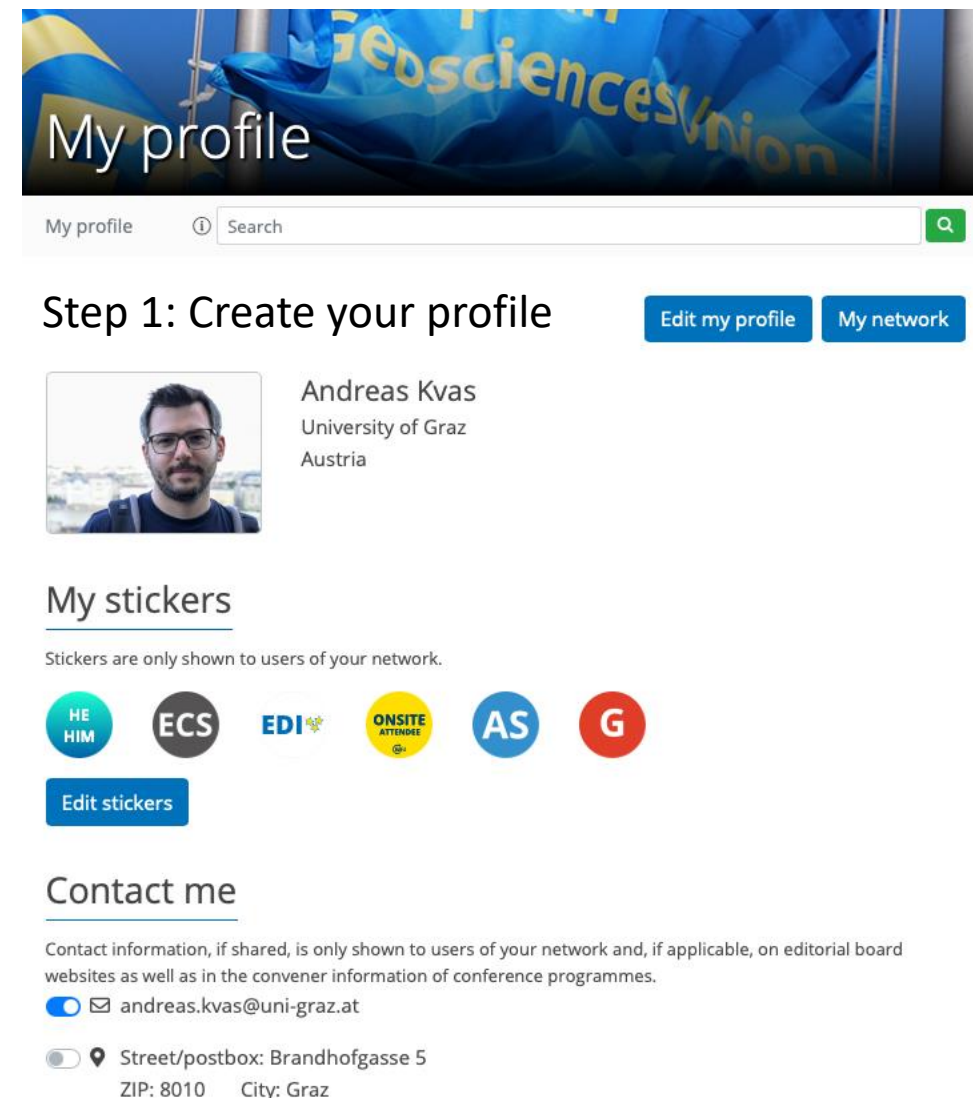
My Profile

Extend my network

Email

Find

Profiles from EGU22 can be reused



Geodesy in EGU's policy network

- Geodesy community is involved in many policy relevant issues e.g. : Reference frames (UN-ggim), global geodetic observation systems, future missions, ..
- Chloe Hill is EGU's dedicated policy officer who is active at EU level
 - But insight in policy relevant activities of G-division is missing
- What can G-division do?
 - Establish policy point of contact
 - Redirect policy requests to our community



Example: EGU put together a biodiversity task force to inform EU policy makers

What can you do?

Express interest and send us (g@egu.eu) your name and policy relevant expertise

And next year?

The main logo for the event is centered on the slide. It features a large blue circular icon with a stylized 'E' and 'G' inside, followed by the text 'EGU' in a bold, sans-serif font, and 'General Assembly 2024' in a smaller, lighter font below it.

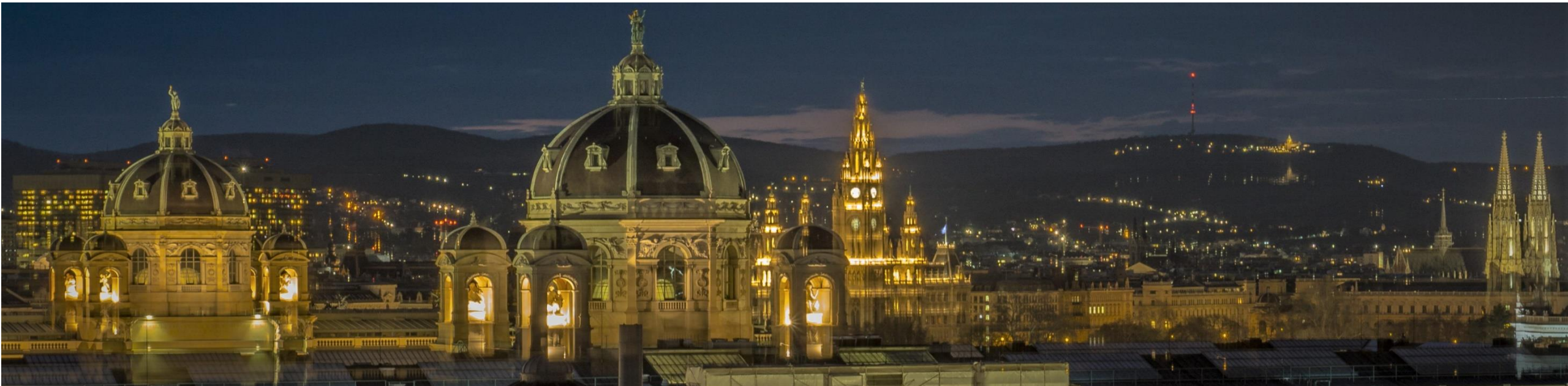
April 14 – 19, 2024

Vienna

Sign up as a mentor for EGU's Mentoring programme 2024

- 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





See you there!

IAG Reception @ EGU23

Tuesday, April 25th, 19:00 CEST

TUtheSky, Getreidemarkt 9 (11th floor)

Please register!



Thank you to IAG!!