

GD Division Meeting 2025

Jeroen van Hunen and Laetitia Le Pourhiet

Jyotirmoy Paul

Garima Shukla

Constanza Rodriguez Piceda and Michaël Pons

30th April 2025

gd@egu.eu



Meetings | Publications | Outreach | www.egu.eu



GEODYNAMICS DIVISION MEETING 2025

Agenda:

1. GD Medals and Awards
2. OSPP award
3. Early Career Scientist news
4. GD Blog
5. Structure of the division
6. EGU Conferences
7. EGU Publications
8. Meeting statistics
9. Feedback & ideas for the future
10. Any other business



Image provided by Megan Holdt

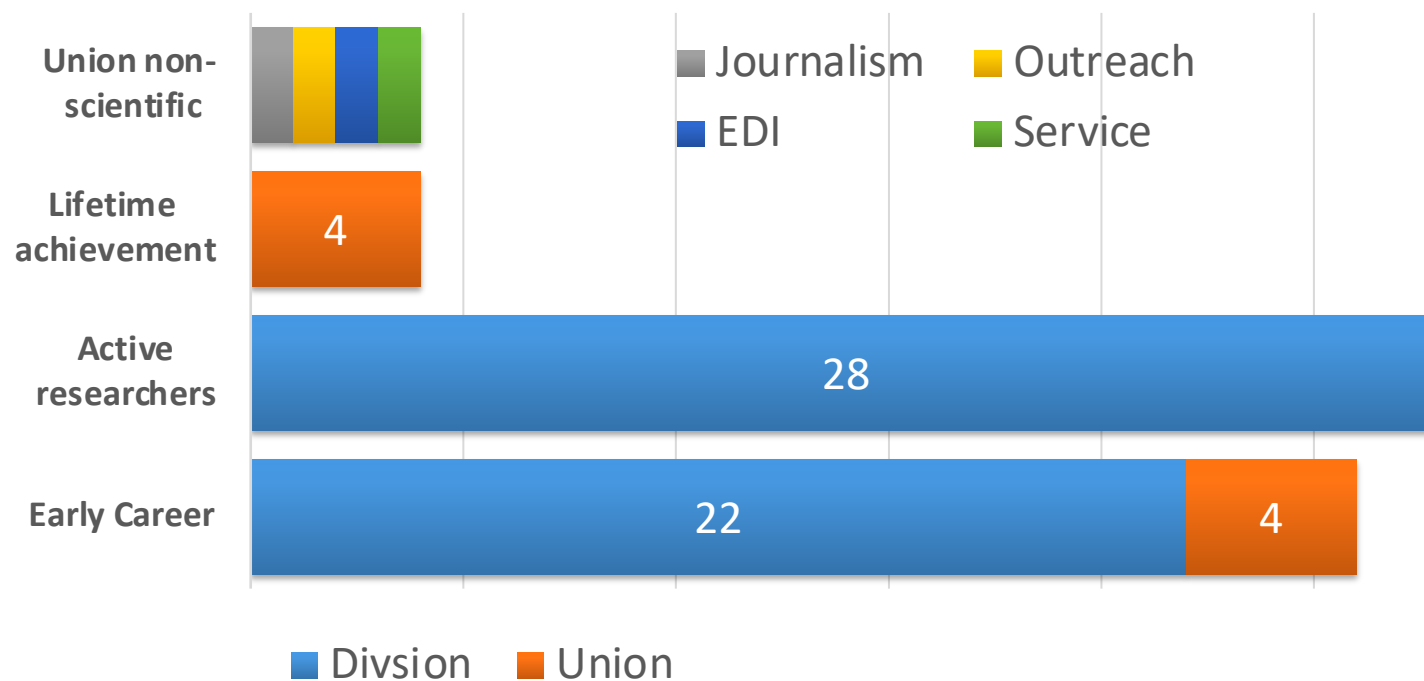


Medals and Awards



EGU awards & medals

EGU features an extensive awards and medals programme on all career stages



- 4 **Union Awards** for services for the union, science journalism, outreach, and EDI
- 4 prestigious **Union Medals**, recognising excellence in scientific research
- 28 **Division Medals**, awarded for significant disciplinary contributions in Earth, planetary and space sciences
- 4 **Union** and 22 **Division Awards** for Outstanding Early Career Scientists



The EGU Awards & Medals:

At Union level:

- The Union Medals for senior scientists including the most prestigious awards made by the Union that are associated with an EGU Honorary Membership. **Arthur Holmes Medal** (**Paul Tackley**, C. Faccenna, M. Cannat, L. Jolivet, J-P. Brun, T. Torsvik, K. Burke, S. Cloetingh)
- The Union **Arne Richter Outstanding Early Career Scientists Awards**

At Division level:

- The Division **Outstanding Early Career Scientist Award** (1)
- The Division **Augustus Love Medal** for a distinguished scientist (1).

In relation with its General Assemblies, EGU presents the **Outstanding Student & PhD (OSPP) Award** to further improve the overall quality of presentations and, most importantly, to foster the excitement of younger colleagues in presenting their work.



The Division Outstanding Early Career Scientist Award (OECS award) recognizes scientific achievements in the field covered by the related Division, made by an early career scientist.

Early career scientist:

<7 years from highest degree (normally PhD)
(no age limitation)

Selection procedure:

by votes of the GD Science Officers

The “winner” of the Division OECS award competes for the Arne Richter EGU OECS award with other divisions OECS award winners

**GD** Geodynamics

The 2025 Division Outstanding Early Career Scientist Award is awarded to Iris van Zelst for a profound impact on the geodynamics community through outstanding scientific contributions, inspiring leadership, enthusiastic outreach, and fostering an inclusive and diverse work environment.



Iris van Zelst



The Augustus Love Medal is awarded to a distinguished scientist in the field of geodynamics, comprising mantle and core convection, tectonophysics, post-glacial rebound and earth rotation.



The medal has been exclusively designed for the EGU by József Kótai.

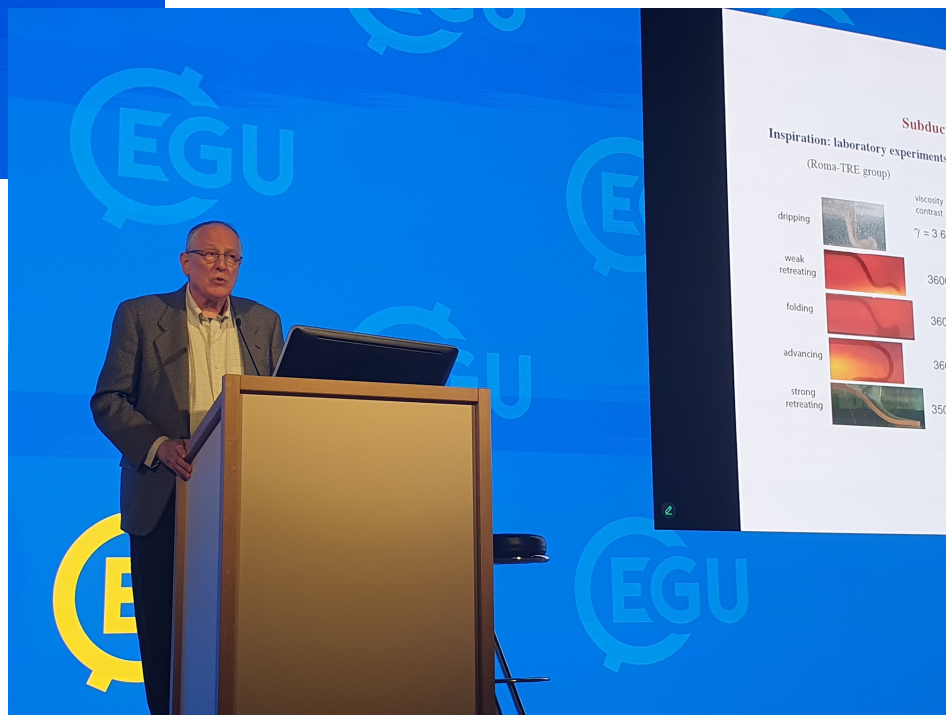


The 2025 Augustus Love Medal is awarded to Neil M. Ribe for outstanding and fundamental contributions to a wide range of geodynamical problems using rigorous mathematical approaches.

Like Augustus Love, Neil Ribe is a mathematician of continuum mechanics. He is unique amongst geodynamicists for his rigorous analytical approaches to gain a quantitative understanding of a wide range of scientific problems. Ribe spent his career striding the philosophical path blazed by Love; his scientific achievements robustly merit the recognition of EGU's Love medal.



Neil M. Ribe



Photographies
by S. Buiter



How to become an awardee?

- Nominations are exclusively by EGU members (no self nomination)*
- Candidates do not need to be EGU members.
- Individual award and medal committees are then evaluating the nominations selecting the most deserving candidate based on **scientific achievements****.

* An exception is one award to promote excellence in journalism allowing nominations from non-members and self nominations

** plus one medals each for journalism, outreach and service to the union



How to nominate

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

When: Deadline is **June 15 every year**

What is required:



	Division and Union medals	Outstanding Early Career Scientists Awards
Nomination letter	5000 characters (including spaces)	2500 characters (including spaces)
Curriculum Vitae	2 pages	1 page
Selected bibliography	2 pages	½ page
Supporting letters	3-5 5000 characters (including spaces)	None (multiple nominators possible)

Nomination and supporting letters via on-line form



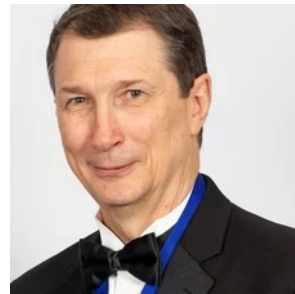
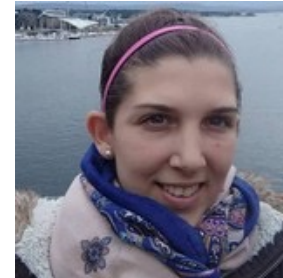
GD Medal Committee

Composition of the Division Medal committees:

- **Chair:** Term is one year and can be renewed 3 times.
- **Minimum three additional members**, including past medalists/awardees. Term is one year, but can be renewed three times. At least one member of the committee is replaced every year.
- Division president and Chair of the Union Awards Committee as ex-officio members.

2025

Committee Chair	Committee Members without Ex-Officio Members	Term #	Medal/ Award
Jeroen van Hunen	Neil Ribe	1	2025
	Taras Gerya	2	2024
	Thorsten Becker	3	2023
	Ágnes Király	3	2023
	Dave Bercovici	4	2022





Outstanding Student and PhD candidate Presentation (OSPP) Award

Jyotirmoy Paul



OSPP: Outstanding Student and PhD candidate Presentation contest

Who can participate?

- First and presenting author
- Either currently a BSc or MSc student or PhD candidate
- Last degree obtained in year of GA



Why participate?

- Better visibility for your research
- Award certificate and ceremony
- Free open-access publication in one of the EGU journals
- Conference fee waiver for next EGU





Evaluation criteria

Scientific content

- Correctness of methods and information
- Significance of the work
- Originality and creativity of the approach
- Conclusions supported by data and analysis
- Author's knowledge of the subject matter

Presentation technique

- Organization and logical structure
- Visual clarity
- Aesthetic appeal
- Good writing
- Ability to answer questions

Who votes?

- At least 3 pre-defined judges per participating presentation
- ALL EGU participants (from post-doc level on, not co-author, no shared affiliation) can vote as well on abstract page!
- **WE NEED YOU!!!**
Please mark your availability



Year	Participants	Evaluators
2023	56	~90
2024	54	~90
2025	59	~90

EGU GD OSPP Winner 2024

Jorge Sanhueza

Slab window geodynamics: towards an integrated understanding of upper mantle dynamics and observations (Sanhueza, J.; Balázs, A.; Gerya, T.; Yáñez, G.; Buck, R.)





GD ECS Report

Garima Shukla

ecs-gd@egu.eu



GD ECS activities this week

Sunday



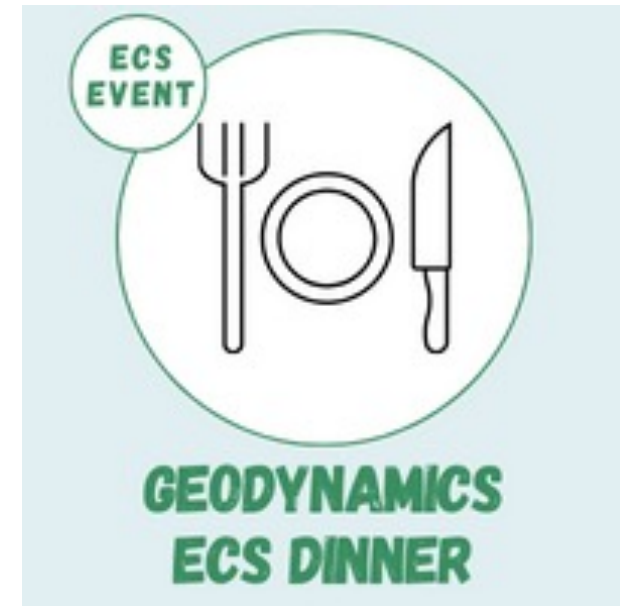
From 3:00 pm
Copa Beach

Tuesday



From 6:00 pm
Rooftop Foyer

Thursday



From 7:30 pm
Gigerl restaurant



Updates from the GD ECS Team

- Continued to grow the GD ECS team
- Monthly Newsletter (shared to GD list)
- Weekly blogs are published every Wednesday (<https://blogs.egu.eu/divisions/gd/>)
- Active engagement on social media (LinkedIn, Bluesky)





Geodynamics 101

No Geodynamics 101 short course this year but
there is an interesting short course today from 7:00 pm

SC 3.12

Tectonic Modelling 101: An introduction to laboratory simulations of tectonic processes (incl. live model demonstration) ►

Co-organized by GD11/NH12

Convener: Frank Zwaan^{ECS} ✉ | Co-conveners: Ágnes Király^{ECS}, Michael Rudolf^{ECS}, Riccardo Reitano^{ECS}

★ Wed, 30 Apr, 19:00–20:00 (CEST) ■ Room -2.82

Thank you to the Geodynamics 101 team!

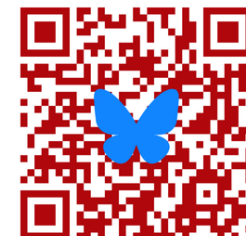
Would you like to join the team? Contact

ecs-gd@egu.eu



GD ECS- plans for the coming year

- Looking for an ECS representative (Contact our team via ecs-gd@egu.eu)
- Planning to launch an Instagram handle for GD division





GD Blog Report 2024-2025

Constanza Rodriguez Piceda & Michael Pons

constanza.rodriquezpiceda@plymouth.ac.uk

ponsm@gfz-Potsdam.de



blogs.egu.eu/divisions/gd/



Betti Hegyi

Garima Shukla (ECS Rep)

Duo Zhang

Alexis Gauthier

Kleoniki (Lydia) Theodoridou

Michael Pons

Constanza Rodriguez Picada



Lorenzo Mantiloni

Katherine Villavicencio

Prachi Kar

Pauline Gayrin

Jamison Assunção

Emily Hinshaw

Lea Pennachioni



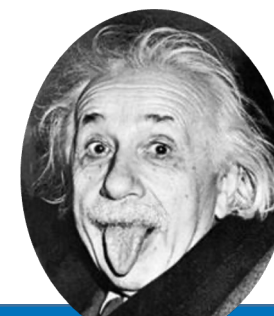
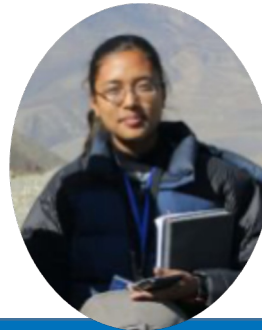
Adélaïde Allemand

Yinuo Zhang

Rajani Shrestha

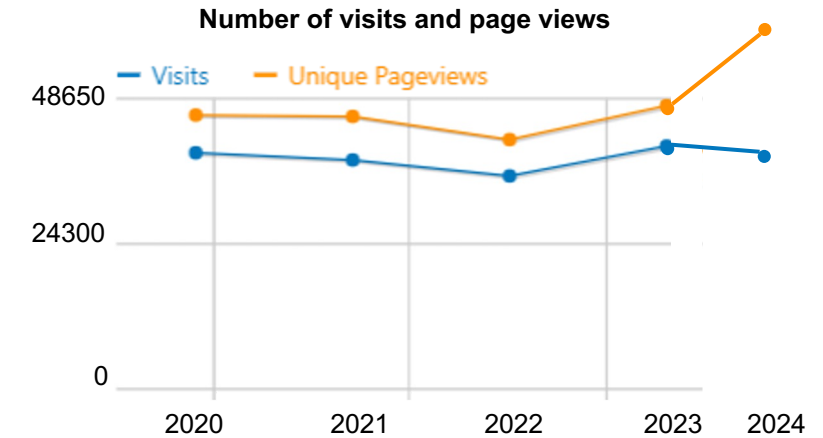
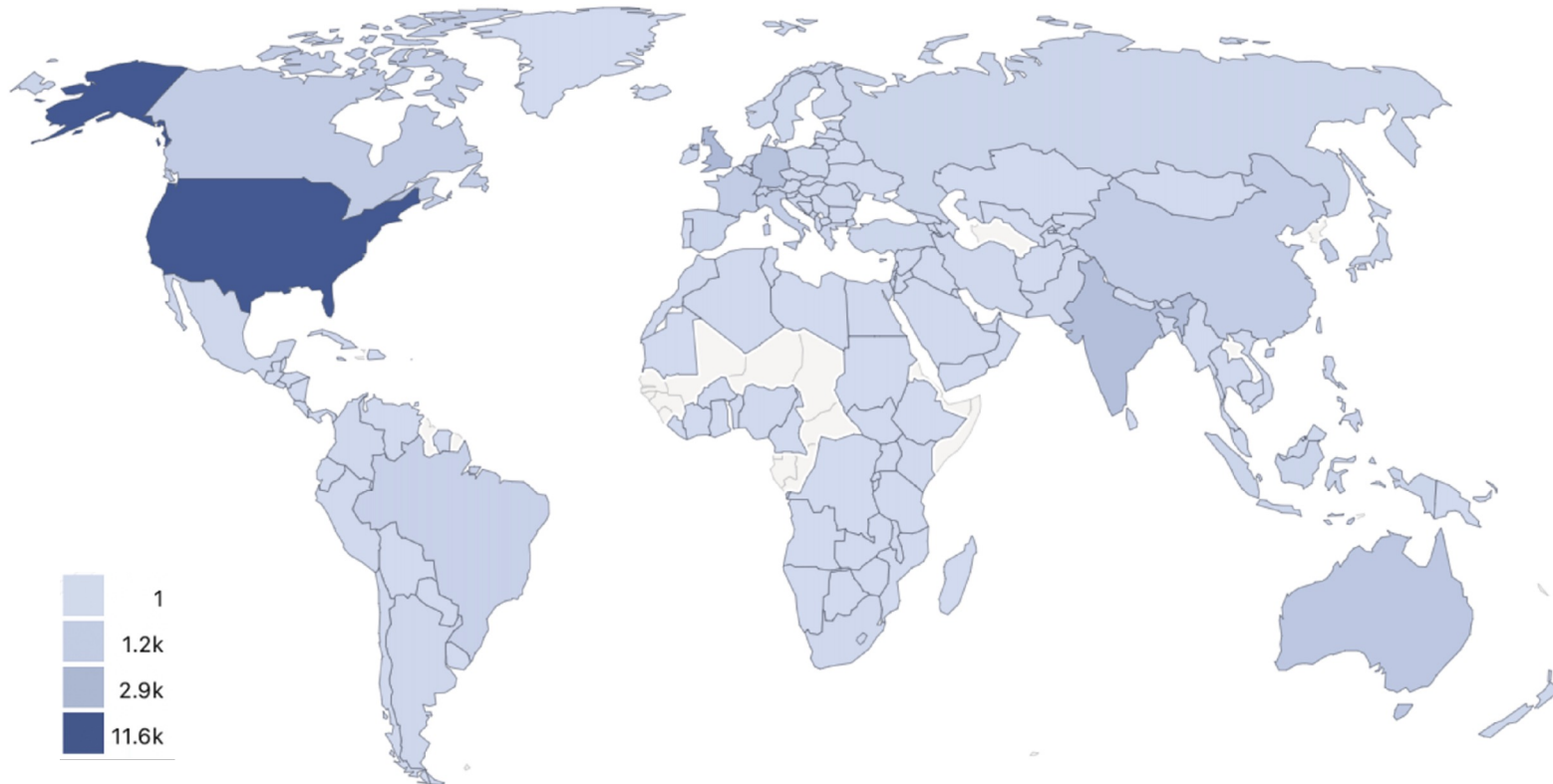
Nuno Rodrigues

Sassy scientist





~ 39,700 visitors for a total of 60 400 page views



57 Blog Posts
 44 Regular posts
 9 Sassy posts
 4 Editorial posts

Interested in contributing?

Contact the editors-in-chief: Michael Pons (ponsm@gfz-potsdam.de)
 or Constanza Rodriguez Piceda (constanza.rodriquezpiceda@plymouth.ac.uk)



53 Guest authors

Sassy scientist	Emily Hinshaw	Anais Cochet	Franck Latterie
Zhibin Lei	Joshua L. DeVincenzo	Arne Glink	Junjie Dong
Subhajit Ghosh	Syeda Kainaat Jah	Kai Li	Björn Heyn
Rafael Monteiro da Silva	Michael Pons	Ziqi Ma	Yinuo Zhang
Timothy Gray	Joao Duarte	Plimmer Abigail	Lorenzo Mantiloni
Joyce Shi Sim	Baptiste Bordet	Sandrine Ritter	Wouter P. Schellart
Garima Shukla	Phoebe Sleath	Poulami Roy	Rajani Shrestha
Gaetano Ferrante	Ágnes Király	Niklas Werner	Pauline Gayrin
Shreeja Das	Baptiste Bordet	Nicholas Vafeas	Alexis Gauthier
Nicholas Vafeas	Ana Lorena Abila	Nuno Rodrigues	Jodie Fisher
Rajani Shrestha	Cédric Gillmann	Sarah Boulton	Constanza Rodriguez Piceda
João Paulo de Souza Bueno	Syeda Kainaat Jah	Michael Pons	Arkadeep Roy
Alessandro La Rosa	Gaetano Ferrante	Madeleine Kerr	
Joshua L. DeVincenzo	Junjie Dong		

Interested in contributing? Contact the editors-in-chief: Michael Pons (ponsm@gfz-potsdam.de)
or Constanza Rodriguez Piceda (constanza.rodriguezpiceda@plymouth.ac.uk)



Interested in contributing?

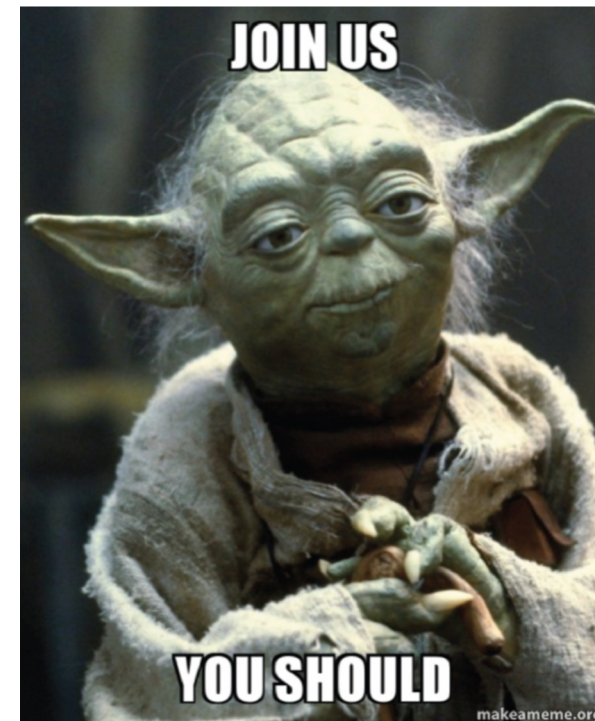
Contact Michael Pons or Constanza Rodriguez Piceda (Editors-in-Chief)
ponsm@gfz-potsdam.de or constanza.rodriguezpiceda@plymouth.ac.uk

- By writing a blog post !
- By sending a question to our Sassy scientists at thesassyscientist4real@gmail.com

We are looking for :

- Editor-in-chief(s) : 2 positions available
- Regular blog editors
- Sassy scientist columnists
- Illustrators / graphic designers
- Questions for the Sassy Scientist:

GD blog





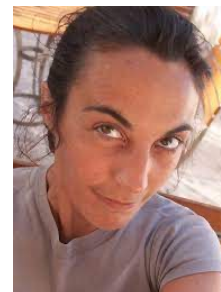
EGU GD division structure



GD Division structure

President / PG chair
Deputy President

Laetitia Le Pourhiet
Jeroen van Hunen



Science Officers

Phil Livermore
Antoniette Grima
Frederic Deschamps
Maëlis Arnould
Jeroen van Hunen
Boris Kaus



GD OECS Award Committee
Chair

Laetitia Le Pourhiet

Augustus Love Medal Chair

Jeroen van Hunen



OSPP Coordinator

Jyotirmoy Paul

ECS Representative

Garima Shukla

GD Blog team chairs

Constanza Rodriguez Piceda
Michaël Pons





Conferences



EGU Galileo conferences

- Address well-focused cutting-edge topics at the frontier of geosciences research.
- 3-5 days meeting for discussion and debate for about 100 participants.
- EGU provides comprehensive organizational support allowing organizing committees to focus on the scientific aspects.
- Aside from partly sponsoring the event, EGU is giving a deficit guarantee.
- **2 stage application process on-line.**

Topical meetings

EGU co-sponsors

- **conference series,**
 - Alexander von Humboldt Conferences
 - **Ada Lovelace Workshops on Mantle and Lithosphere Dynamics**
- **training schools,**
 - for the benefit of all scientists and with special attention to the needs of young scientists.

GD Meetings Calendar

<http://www.egu.eu/gd/meetings/>



ALW24 21 - 26 June 2026 in France @ Sète was a big success

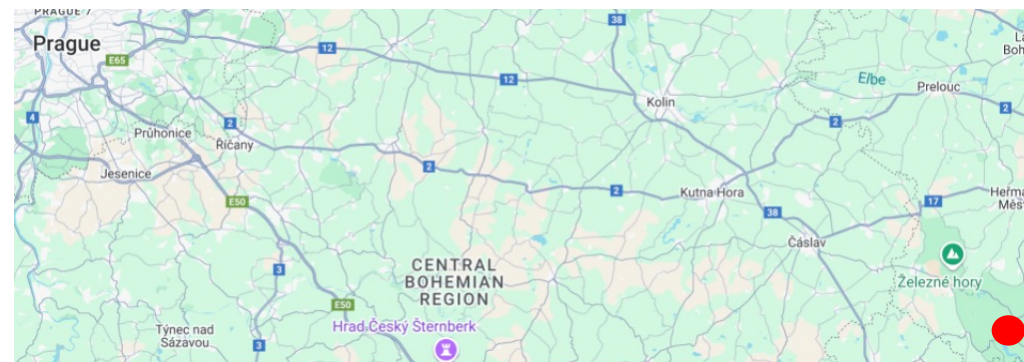
Read the interview of
the 10 best poster
awardees on the GD
Blog.



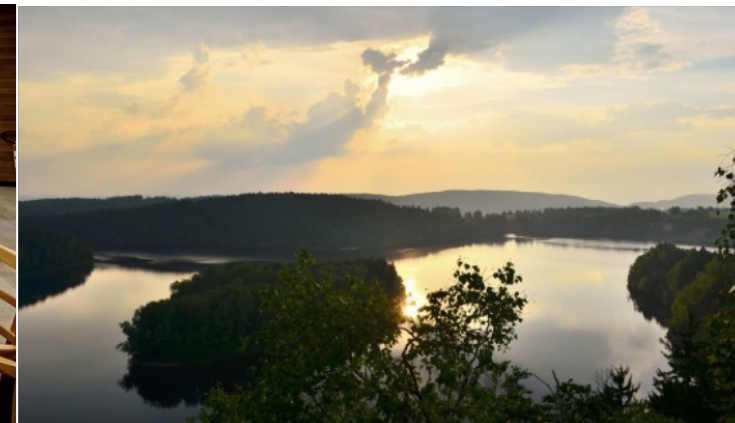
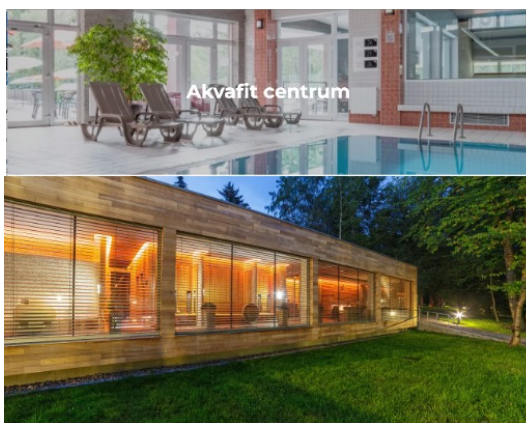


ALW26 21 - 26 June 2026 in **Czech Republic @ Lake Sec** Please mark the date !

It is 2 hours drive from Prague and about 30 minutes bus ride from the train station Pardubice which is easy to reach from Prague.



Hotel Jezerka (<https://www.jezerka.cz/>)



Open Access Publications



- Open Access Journals
- Interactive Public Peer Review

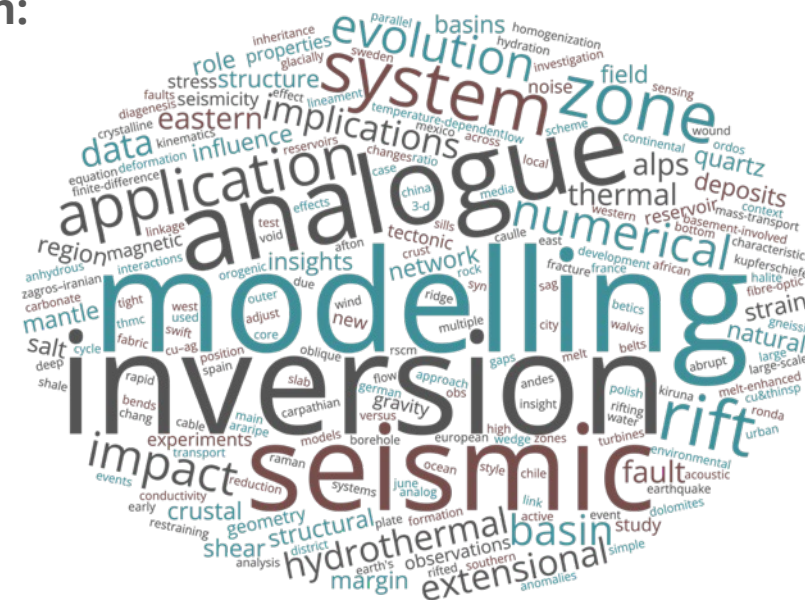


www.egu.eu/publications



since 2010!

A community-driven journal that in 2023* published extensive, exciting new research on:



"I chose to publish with Solid Earth due to its transparent peer-review process and the dedication of its editors to ensure a swift review process, coupled with its reputation for promoting groundbreaking research in geosciences."



Zahra Zali, author 2023
doi.org/10.5194/se-14-181-2023



Geoscientific Model Development

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Home



Executive editors: David Ham, Juan Antonio Añel, Astrid Kerkweg, Min-Hui Lo, Richard Neale, Rolf Sander & Paul Ullrich

eISSN: GMD 1991-9603, GMDD 1991-962X

Geoscientific Model Development (GMD) is a not-for-profit international scientific journal dedicated to the publication and public discussion of the description, development, and evaluation of numerical models of the Earth system and its components. The following manuscript types can be considered for peer-reviewed publication:

- geoscientific model descriptions, from statistical models to box models to GCMs;
- development and technical papers, describing developments such as new parameterizations or technical aspects of running models such as the reproducibility of results;
- new methods for assessment of models, including work on developing new metrics for assessing model performance and novel ways of comparing model results with observational data;
- papers describing new standard experiments for assessing model performance or novel ways of comparing model results with observational data;
- model experiment descriptions, including experimental details and project protocols;
- full evaluations of previously published models.

More details can be found in [manuscript types](#) and the [journal editorial](#) (compiled by the executive editors).

"I believe that the time is ripe for significantly better documentation of programs, and that we can best achieve this by considering programs to be works of literature." (Donald E. Knuth, Literate Programming, 1984)



EGU Special Activity Fund 2026 – call for proposals

Goal: Promote **high-profile, innovative, ‘out-of-the-box’**, not-profit **activities contributing to EGU’s vision and strategy**: <https://www.egu.eu/about/strategy/>

Key points: ~20-30k EUR per project, activity has to start and must be completed in 2026

Application process:

- Concept note due by Fri 13 June 2025
- Full proposals (upon invitation by mid-July) due by Fri 19 Sept 2025
- Decision by October 2025

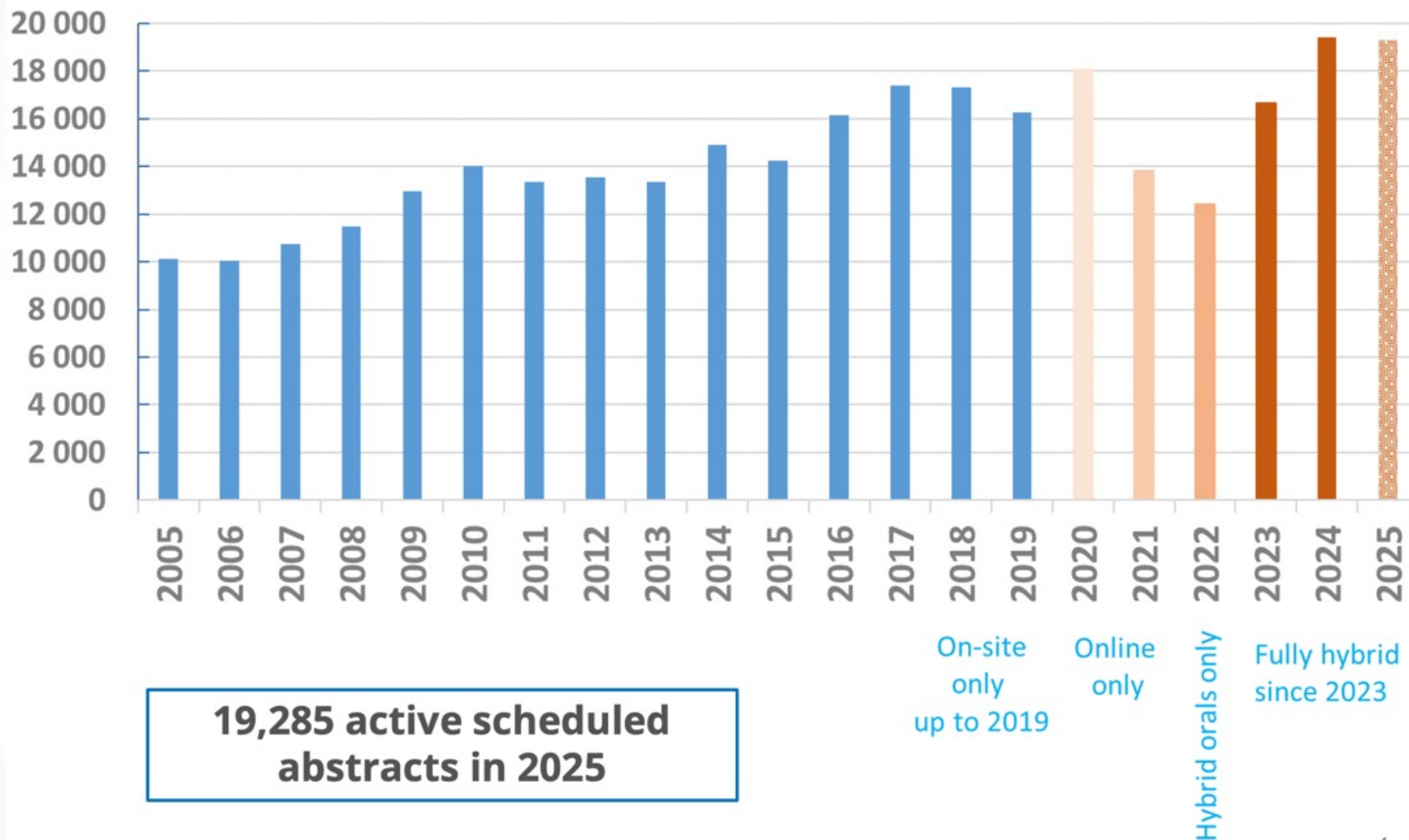
For details and to **submit a concept note** (DL13.06.2025):

 <https://www.egu.eu/meetings/special-activity-fund/>



Meeting statistics, feedback and
ideas for the future

EGU25 Abstract Submission Over Time



(as of 16 April 2025)

EGU25: numbers at a glance

- **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**

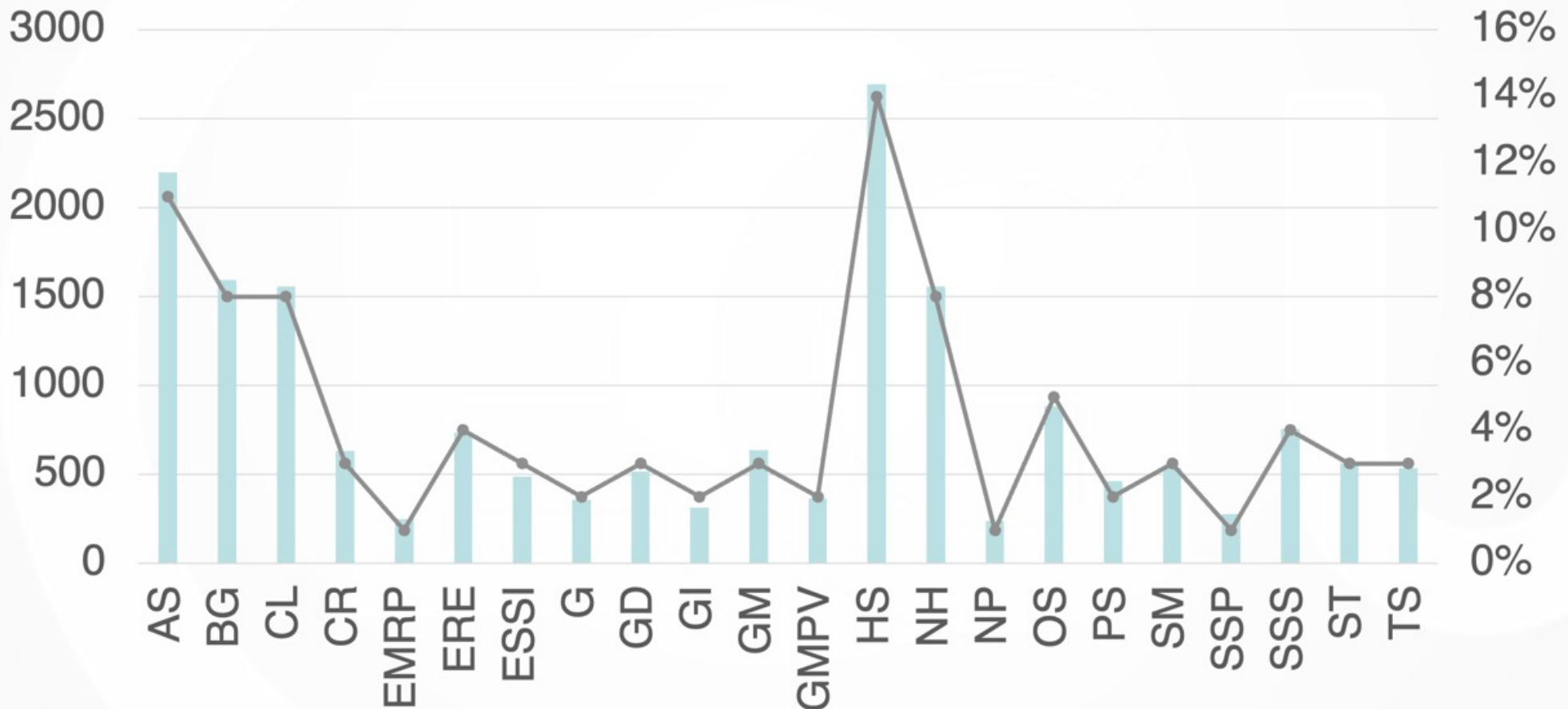


EGU23 oral presentation

Photo credit: Pfluegl 2023

More on: <https://www.egu25.eu/>

Abstracts in (lead) sessions per Programme Group (PG)



(as of 16 April 2025)



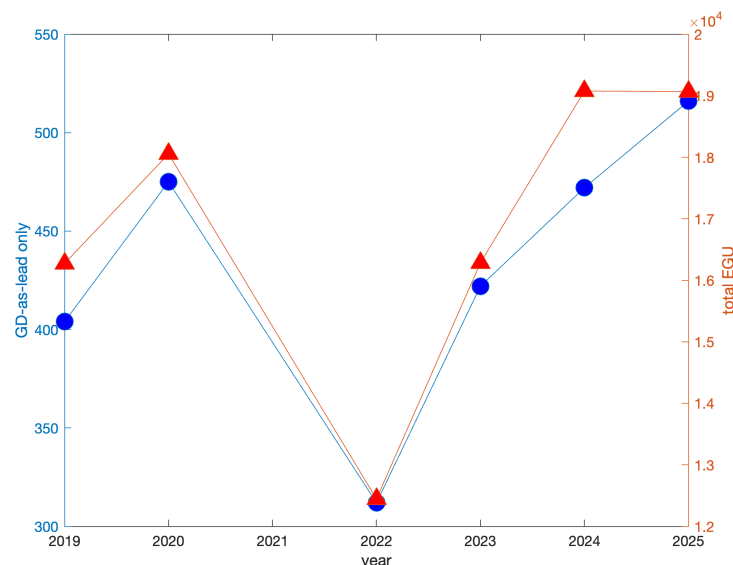
Abstract nrs

GD-led sessions

All sessions

Active scheduled	516	
Granted supports	None:	507 (98%)
	ECSTS:	0 (0%)
	ESTS:	0 (0%)
Presentations	Posters on site:	238 (46%)
	Orals:	209 (41%)
	PICO:	69 (13%)

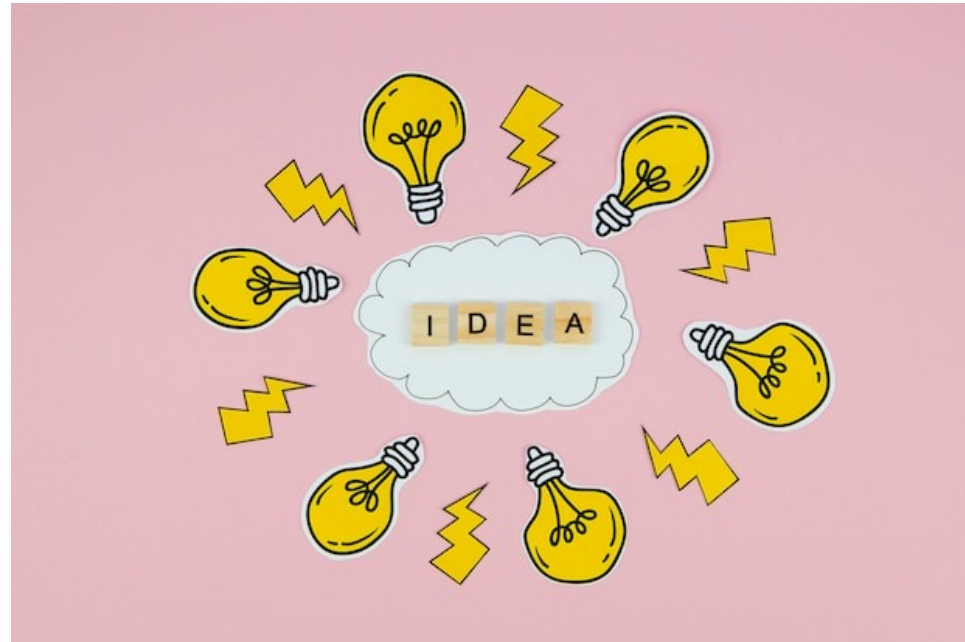
Active scheduled	19,066	
Granted supports	None:	18,838 (99%)
	ECSTS:	214 (1%)
	ESTS:	12 (0%)
	OSECS:	2 (0%)
Presentations	Orals:	8,847 (46%)
	PICO:	1,153 (6%)
	Posters on site:	8,435 (44%)
	Posters virtual:	631 (3%)
Author identification specifics	ECS:	10,708 (56%)



GD abstracts form a steady ~2.5% of total number of EGU abstracts



Feedback and ideas for the future





simplification of program structure ?

GD – Geodynamics

Programme Group Chair: Jeroen van Hunen 

- GD1 – Mantle Dynamics and Plate Tectonics
- GD2 – Melts, Volatiles and Chemistry of the Mantle
- GD3 – Dynamics and Evolution of Earth and Terrestrial Planets
- GD4 – Subduction and Orogeny
- GD5 – Rifting and Mid Ocean Ridges
- GD6 – Crust, Lithosphere and Asthenosphere
- GD7 – Rheology and Multiscale Mineralogy in Geodynamics
- GD8 – Core Dynamics
- GD9 – Geodynamics of Specific Regions
- GD10 – Modelling, Data collection and Inversion
- GD11 – Geodynamics and society: Short Courses, EDI, and General Interest



Any Other Business



**Please
Give Us
Feedback!**

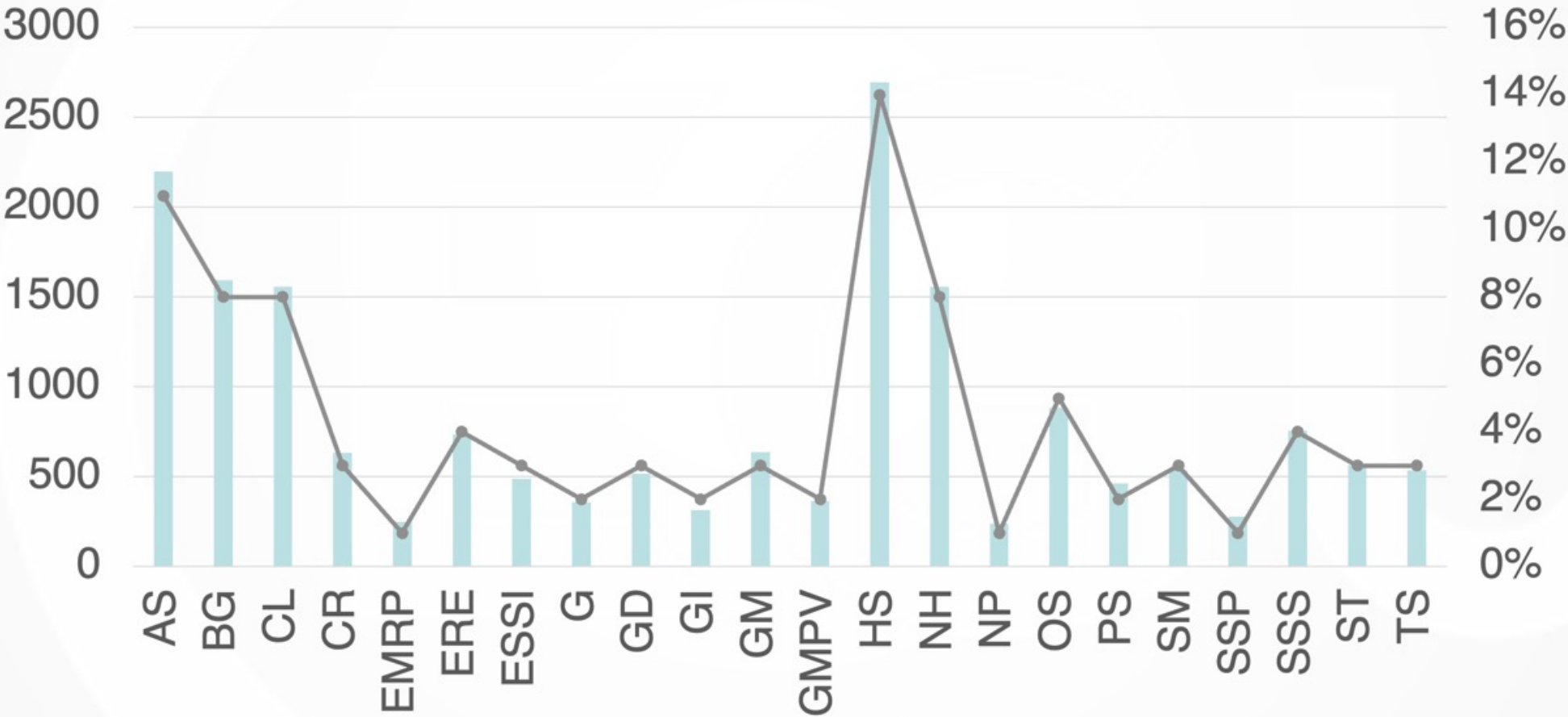
egu25.eu/feedback





Supplementary material

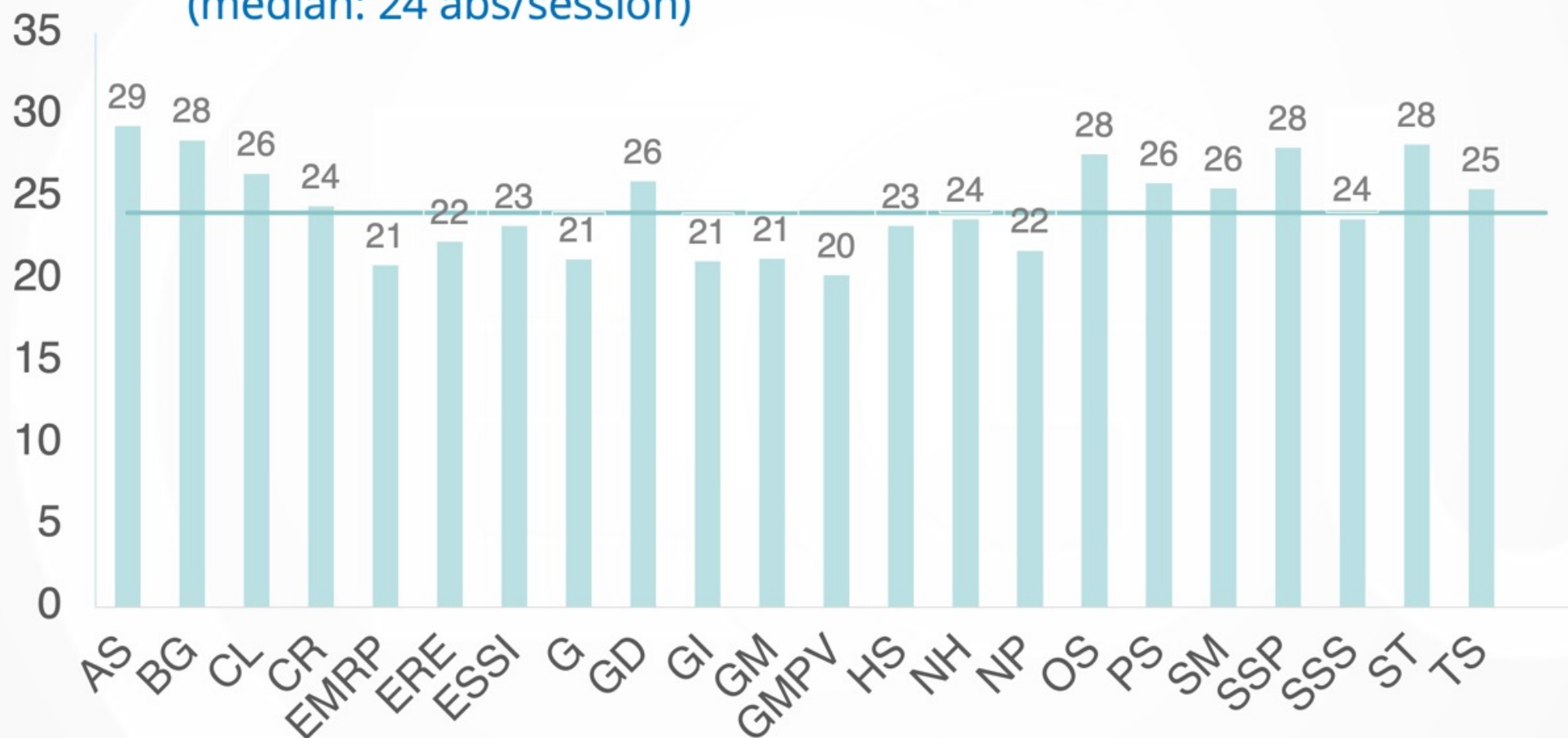
Abstracts in (lead) sessions per Programme Group (PG)



(as of 16 April 2025)

Abstracts per (lead) sessions per Programme Group (PG)

(median: 24 abs/session)



(as of 16 April 2025)