

GD Division Meeting 2024

Jeroen van Hunen

Megan Holdt and Garima Shukla

Constanza Rodriguez Piceda and Michaël Pons

16th April 2024

gd@egu.eu



Meetings | Publications | Outreach | www.egu.eu



EGU
Arthur Holmes
medal lecture

Claudio Faccenna

Now in Room E1

#EGU24



GEODYNAMICS DIVISION MEETING 2024

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



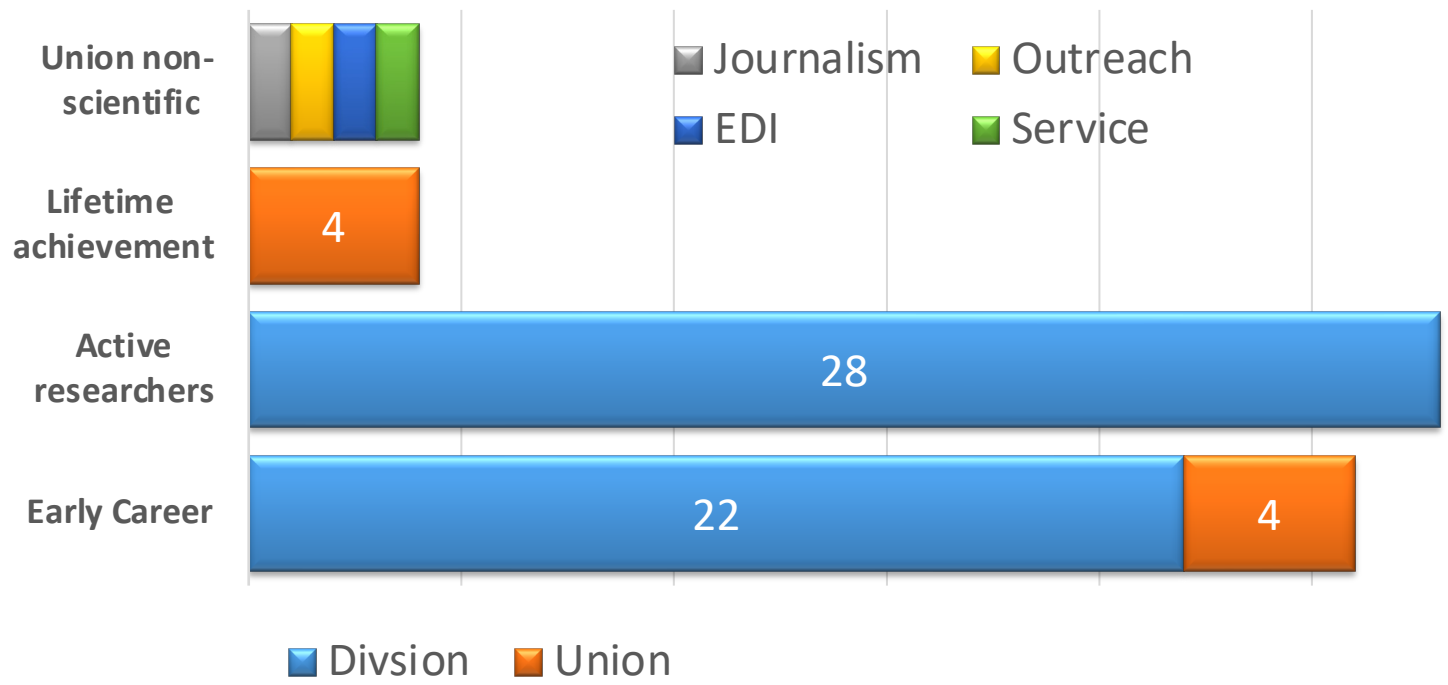


Medals and Awards



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** (**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.

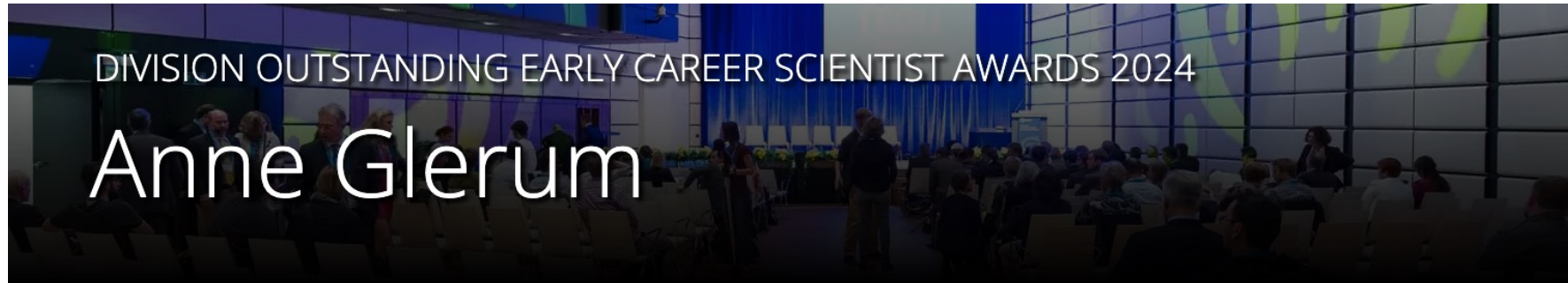
Early career scientist:

<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



[Home](#) / [Awards & medals](#) / [Division Outstanding Early Career Scientist Awards](#)
/ [2024](#) / [Anne Glerum](#)

GD Geodynamics

The 2024 Division Outstanding Early Career Scientist Award is awarded to Anne Glerum for her contributions in geodynamics, including providing new insight in the East African rift system, methodological advancement of geodynamic modelling techniques, and outstanding community service.



Anne Glerum





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.



AUGUSTUS LOVE MEDAL 2024

Taras Gerya

[Home](#) / [Awards & medals](#) / [Augustus Love Medal](#) / 2024
/ Taras Gerya

The 2024 Augustus Love Medal is awarded to Taras Gerya for his novel approach in using computational geodynamics to address outstanding tectonic and geodynamic questions in a way that reaches out to petrologists, geochemists, and structural geologists.



Taras Gerya





EGU GD Award & Medal Celebration

**Anne Glerum
Taras Gerya**

**Tonight, Tuesday 16 April
19:00 – 20:00**

#EGU24

Room E1



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****.

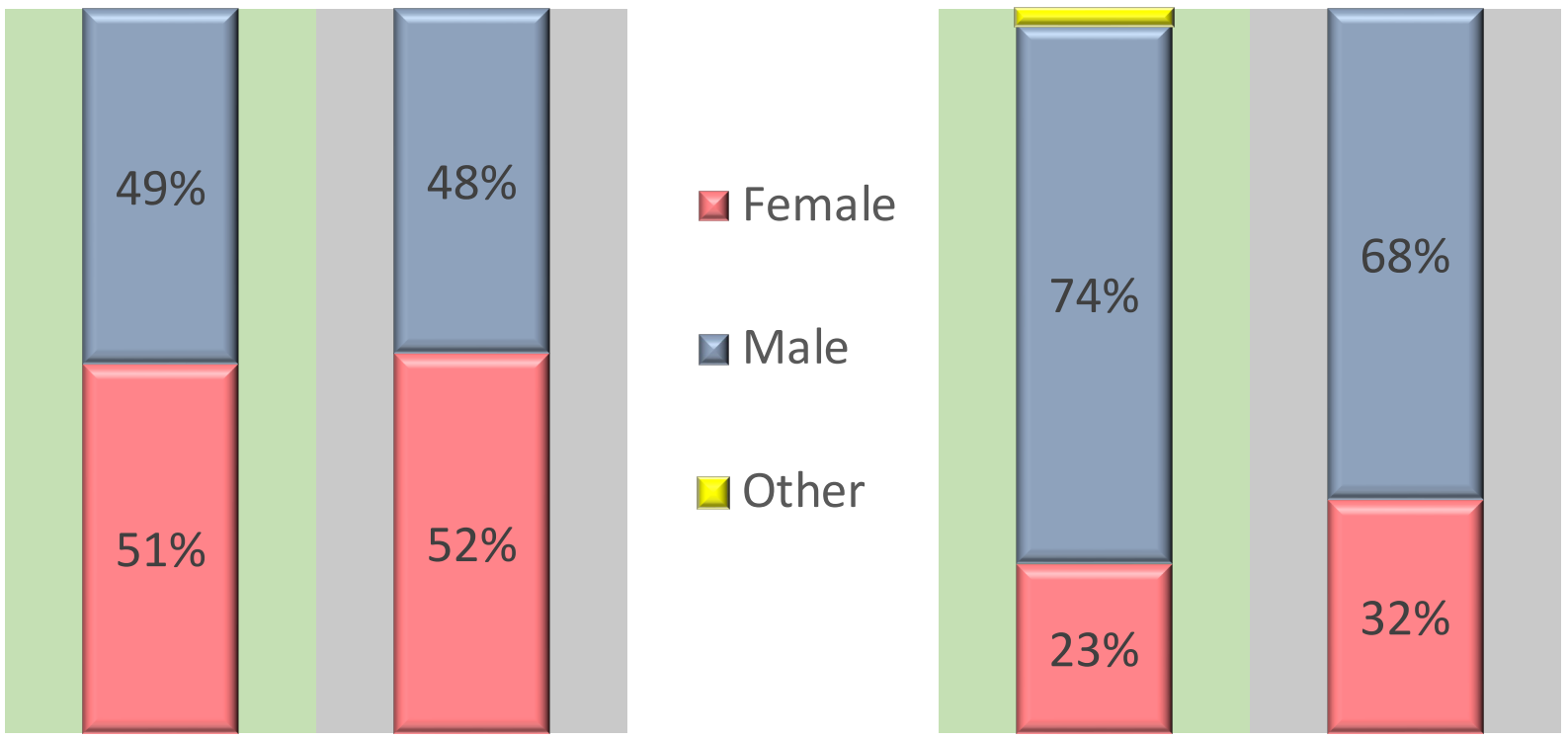
* An exception is one award to promote excellence in journalism allowing nominations from non-members and self nominations

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



EGU awards & medals

Some statistics for the 2024 awards



Nominations Awarded

Early Career Awards

Nominations Awarded

Union and Division awards

More information on awards

EOS3.1
 Poster EGU24-1620
Equality of opportunities in geosciences: The EGU Awards Committee experience
 Wed, 17 Apr, 10:45–12:30
 Hall X1 | X1.63



EGU awards & medals

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



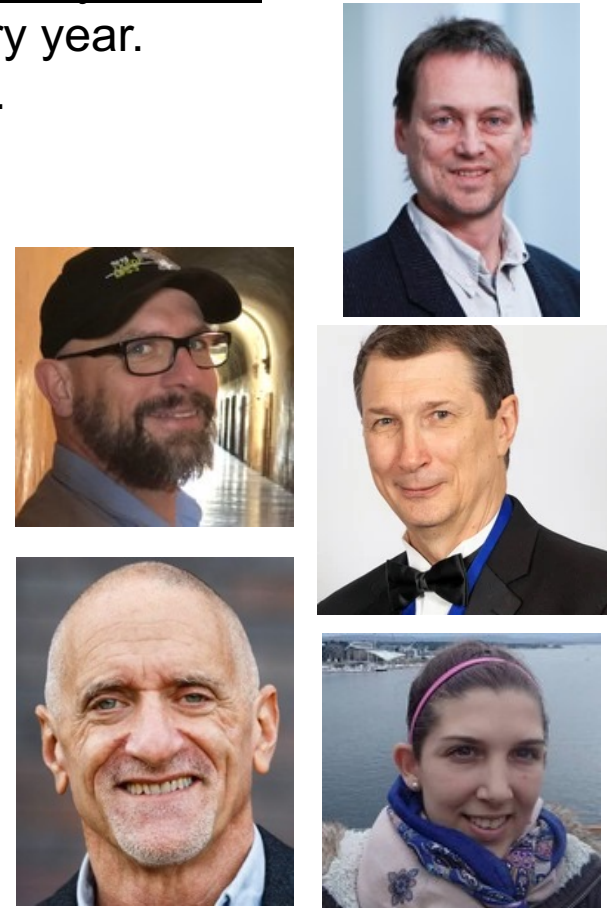
GD Medal Committee

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.

2024

Committee Chair	Committee Members without Ex-Officio Members	Term #	Medal/Award
Paul Tackley	Taras Gerya	1	2024
	Thorsten Becker	2	2023
	Ágnes Király	2	2023
	Dave Bercovici	3	2022





Outstanding Student and PhD candidate Presentation (OSPP) Award

OSPP: Outstanding Student and PhD candidate Presentation contest

What is evaluated?

- scientific content (relevance, methods, ...)
- presentation (organization, aesthetic appeal, ability to answer questions, ...)

Who votes?

- 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!

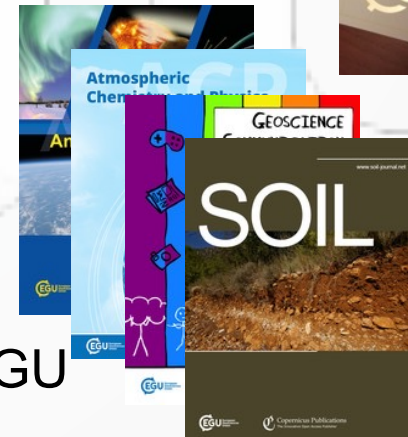
WE NEED YOU!!!

Who can participate?

- first and presenting author
- either currently a BSc or MSc student or PhD candidate
- or 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





GD OSPP coordinator: Jyotirmoy Paul

EGU 2023: 56 participants in GD and 90 evaluators
EGU 2024: 56 participants in GD

EGU GD OSPP Winners 2023

Philippa Slay

*Observed Dynamic Topography and Cenozoic Magmatism
of the Eastern Seaboard of Australia*

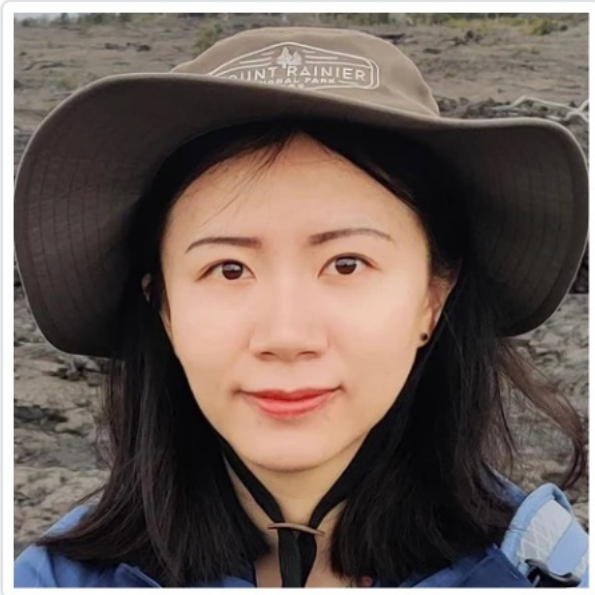
(Slay, P.; White, N.; Holdt, M.;
Stephenson, S.)



Tinghong Zhou

*Did the dynamo cease during the Ediacaran Period prior to
inner core nucleation?*

(Zhou, T.; Tarduno, J.; Kodama, K.; Cottrell, R.; Bono, R.)





GD ECS Report

Megan Holdt & Garima Shukla

ecs-gd@egu.eu



GD ECS activities this week

Sunday

ECS EVENT

**PRE-GA
ICEBREAKER**

A circular graphic with a light blue background. In the top left corner, a small white circle contains the text 'ECS EVENT'. The main circle contains a colorful illustration of six diverse people (three men and three women) smiling and socializing. Below the circle, the text 'PRE-GA ICEBREAKER' is written in bold green capital letters.

Monday

ECS EVENT

**GEODYNAMICS
ECS DINNER**

A circular graphic with a light blue background. In the top left corner, a small white circle contains the text 'ECS EVENT'. The main circle contains a simple line-art illustration of a plate, a fork, and a knife. Below the circle, the text 'GEODYNAMICS ECS DINNER' is written in bold green capital letters.

Tuesday

ECS EVENT

**ECS NETWORKING
RECEPTION**

A circular graphic with a light blue background. In the top left corner, a small white circle contains the text 'ECS EVENT'. The main circle contains the blue EGU logo, which consists of the letters 'EGU' inside a circular arrow. Below the circle, the text 'ECS NETWORKING RECEPTION' is written in bold green capital letters.

From 6:00 pm
Rooftop Foyer

Thursday

ECS EVENT

**GEODYNAMICS
ECS LUNCH**

A circular graphic with a light blue background. In the top left corner, a small white circle contains the text 'ECS EVENT'. The main circle contains a colorful illustration of various food items including a burger, fries, a sandwich, a drink, a muffin, and a chicken drumstick. Below the circle, the text 'GEODYNAMICS ECS LUNCH' is written in bold green capital letters.

Meeting at 12:30 pm
G Terrace



Updates from the GD ECS Team

- New blog leadership team (Michael Pons & Constanza Rodriguez Piceda)
- Continued to grow the GD ECS team (blog, social media, GD 101)
- Maintained an active presence on social media (@EGU_GD)
- Selected a new Geodynamics ECS rep (Garima Shukla)



Betti



Ameha



Jamison



Kleoniki (Lydia)



Rajani



Girida



Srivatsan



Lorenzo



Katherine



Prachi



Lei



Gokul



Soumyajit



Lukas



Duo



Emily



Michael



Constanza



A big thank you to our GD ECS team!

Would you like to get involved?

*Blog editor
Illustrator
Social media
Geodynamics 101 convener*

Reach out to any of us to learn more!

ecs-gd@egu.eu






Geodynamics 101

Short course today from 4:15 pm

SC5.5 

Geodynamics 101: Numerical modelling ▶

Co-organized by G7/GD11/TS9

Convener: Fabio Crameri  | Co-conveners: Luuk van Agtmaal , Andres Rodríguez Corcho , Xin Zhou ,
Nickolas Moccetti Bardi , Björn Heyn , Marcel Thielmann 

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



**Björn
Heyn**
University of Oslo

**Xin
Zhou**
ETH Zurich

**Andres
Rodriguez**
University of Sydney

**Nickolas
Moccetti
Bardi**
ETH Zurich

**Luuk
van Agtmaal**
ETH Zurich

**Marcel
Thielmann**
University of
Bayreuth

**Fabio
Crameri**
Undertone.design

Thank you to the Geodynamics 101 team!
Would you like to join the team? Contact ecs-gd@egu.eu



Garima Shukla

Incoming GD ECS Representative



GD ECS – plans for the coming year

- Continue active online engagement (blog/social media/*cliffs notes*)
- Host shared events with neighbouring divisions (virtual “campfires”)
- Develop a stronger focus on career opportunities/pathways.
 - spotlighting different research groups.
 - highlighting different career paths (especially individual experiences)



GD ECS – plans for the coming year

- Monthly Seminar (Maybe at weekends)
- “Tectotalks”
- “Epicore”
- “Tectono-Tea-Talk”
- “Crustbrew seminar”
- **Note: We can give any of the above fancy names to the seminars**

- Platform: Zoom
- We can provide the recording of seminars on YouTube.

- Speakers: Scientists/Professors/Young research fellows/Postdocs

- Boost event attendance through strategic dissemination across LinkedIn and Instagram handles.



GD Blog Report 2023-2024

Constanza Rodriguez Piceda & Michael Pons

constanza.rodriguezpiceda@plymouth.ac.uk

ponsm@gfz-Potsdam.de



blogs.egu.eu/divisions/gd/





Megan Holdt



Betti Hegyi



Ameha Atnafu Muluneh



Jamison Assumção



Kleoniki (Lydia) Theodoridou



Rajani Shrestha



Giridas Maiti



Srivatsan Vedavyas



Lorenzo Mantiloni



Katherine Villavicencio



Prachi Kar



Zhibin Lei



Gokul Venu Sreebindu



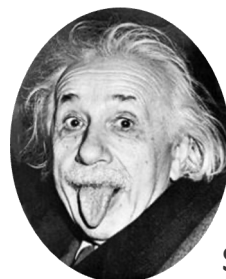
Emily Hinshaw



Soumyajit Basak



Lukas Fuchs



Sassy scientist

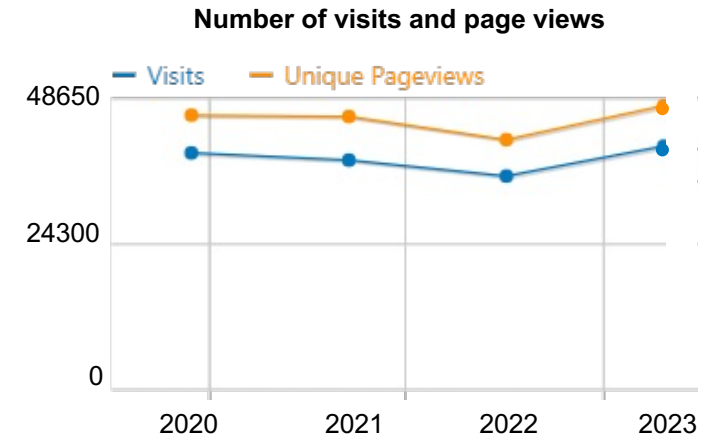
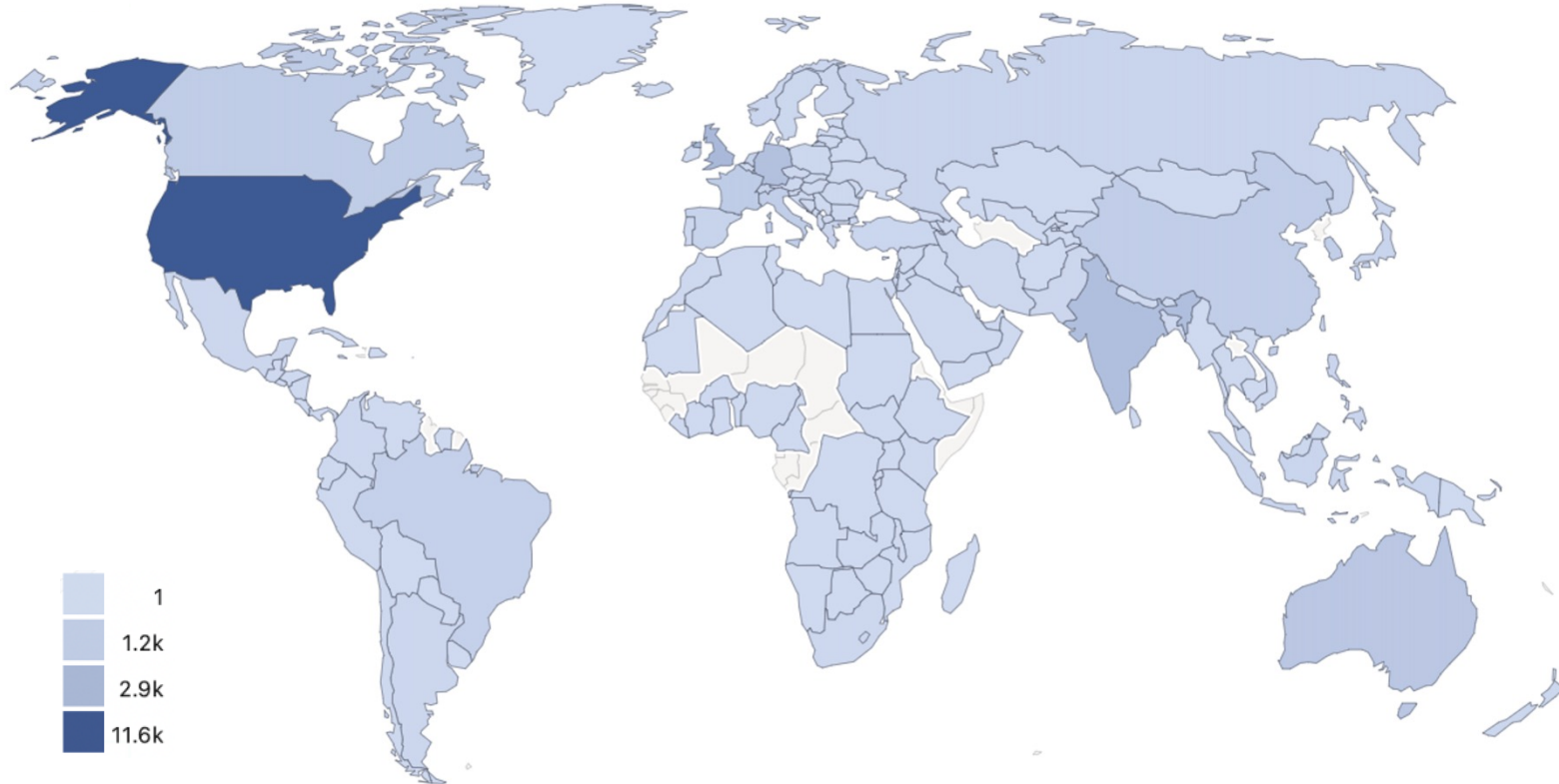


Interested to join us ?

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



~ 42,400 unique pageviews



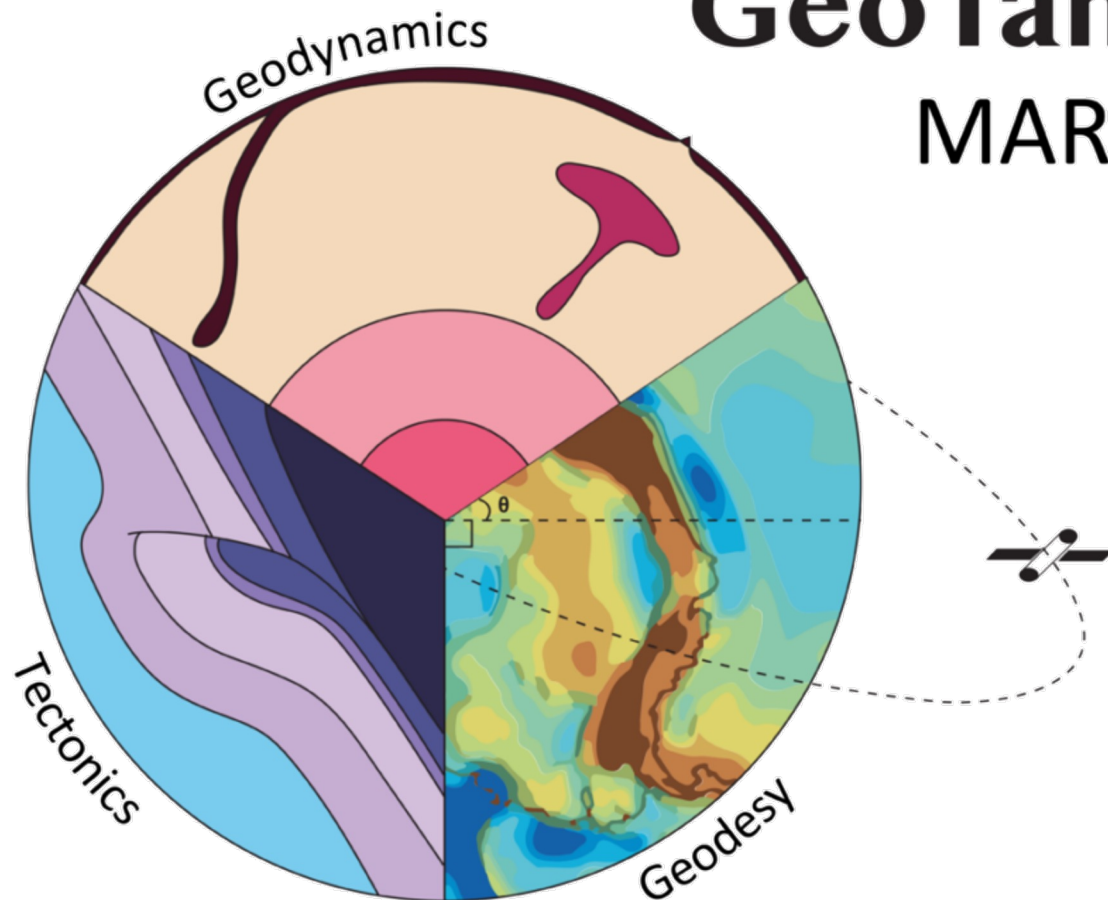
56 Blog Posts
40 Regular posts
10 Sassy posts
5 Editorial posts
1 Tandem posts

Interested in contributing?

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



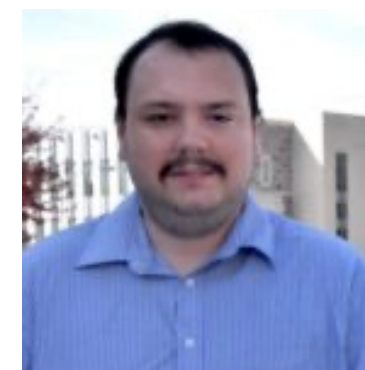
GeoTandem MARS



Scott King



Joshua Murphy



Link :



Interested in contributing?

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



48 Guest authors

Kennet Gourley

Ajay Kumar

Tshering Lama Sherpa

Scott King

Joshua Murphy

Iris Van Zelst

Alexis Gauthier

Inna Shivkumar

Marina Cano Amoros

João Pedro Macedo Silva

Shyla Kupis

Megan Holdt

Dr. Lu Li

Dr. Mareen Lösing

Dr. Maria Constanza Manassero

Dr. Tobias Stål

Dr. Kate Selway

Zhong-Hai Li

Bastian van den Bout

Ángela María Gómez-García

Eline Le Breton

Ayako Tsuchiyama

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Pedro J. Gea

Guido Gianni

Constanza Rodriguez Piceda

Matías Barrionuevo

Kleoniki (Lydia) Theodoridou

Ben Mather

Jonathon Leonard

Rachel O'Brien

Elvira Mulyukova

Cedric Thieulot

Katherine Villavicencio

Jamison Assunção

Kevin Trinh

Lorenzo Mantiloni

Emily Hinshaw

Victor Sacek

Zhibin Lei

Paraskevi Nomikou

Kuan-Yu Lin

Srivatsan Vedavyas

Michaël Pons

Denise Degen

Stephanie Sparks

Betti Hegyi

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



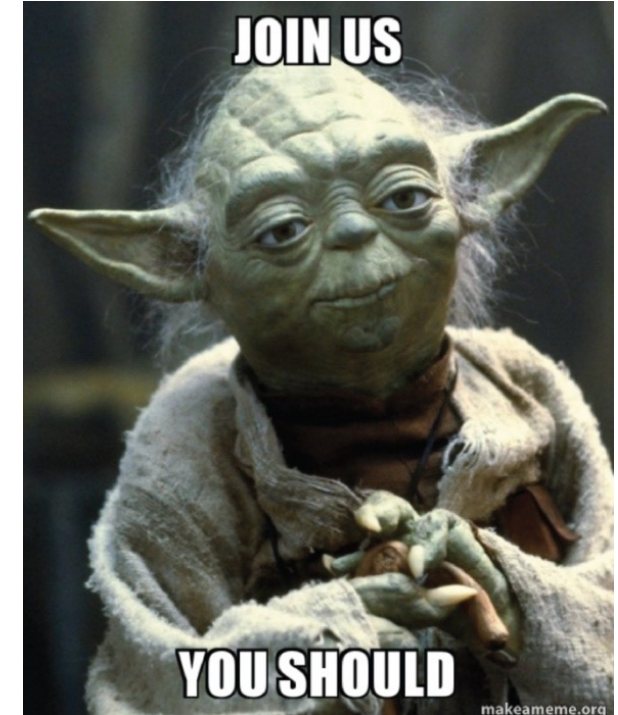
Contribute to the blog!

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

WANTED:

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

GD blog



Interested in contributing?

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



EGU GD division structure



GD Division structure

President / PG chair

Jeroen van Hunen



Deputy President

Laetitia Le Pourhiet



Science Officers

Phil Livermore
 Antoniette Grima
 Frederic Deschamps
 Maëlis Arnould
 Laetitia Le Pourhiet
 Boris Kaus

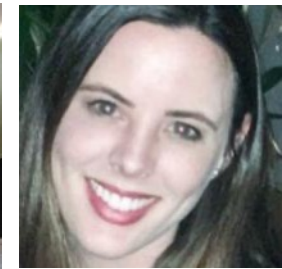


GD OECS Award Committee Chair

Jeroen van Hunen

Augustus Love Medal Chair

Paul Tackley



OSPP Coordinator

Jyotirmoy Paul

ECS Representative

Megan Holdt (outgoing)
Garima Shukla (incoming)



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/>

2024 Ada Lovelace Workshop on Modelling Mantle and Lithosphere Dynamics

1-6 September, Sète, France

Info: meetings.copernicus.org/2024AdaLovelaceWorkshop

Contact: alw24@sciencesconf.org

Organised by Géosciences Montpellier, France

• Invited speakers

- Rheology & Deformation localization
- Mantle dynamics
- Lithosphere and crust dynamics
- Coupling with other envelopes / processes
- Planetology
- Numerical methods
- opening-up topics (ice rheology, mineralogy)
- ... and much more

• Poster sessions

- Practical training
- Shared activities



Onsite conference registration ("all included", 5 nights)

Categories	Registration rates Early birds (before 2 June 2024) double occupancy (single occupancy)
Early Career Scientists	Confort €370 (€520) Premium €720 (€820)
Regular	Confort €550 (€650) Premium €750 (€850)

- Rates increased by €50 for registrations after 2 June (deadline 10 July 2024)
- €300 discount for invited speakers

Online conference registration €40

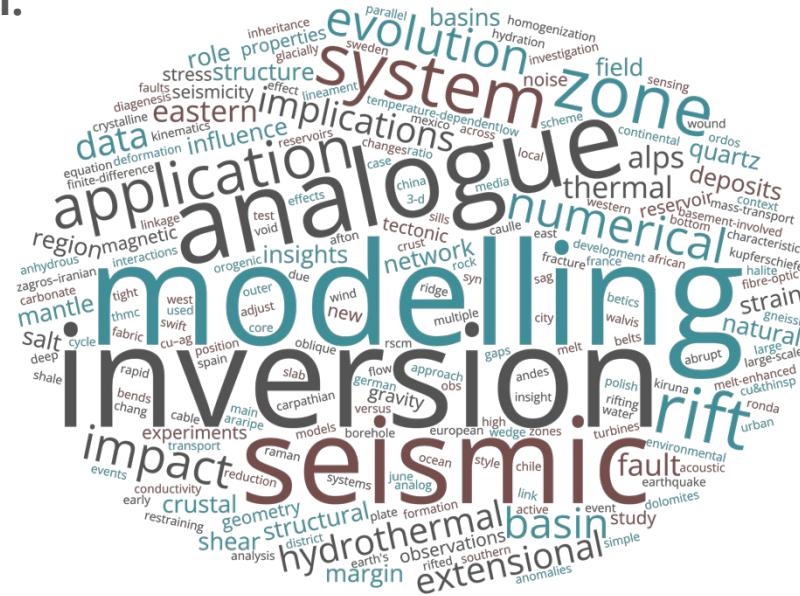
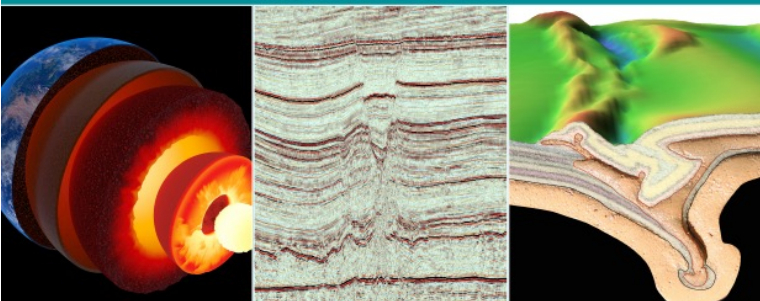


100% open access and publicly peer reviewed



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

Key Journal Metrics:

Impact Factor (2022) :	3.4
5-year Impact Factor (2022):	3.6
Papers published in 2023:	64
Number of countries where authors were based in 2023:	64
Number of countries where editors were based in 2023:	12



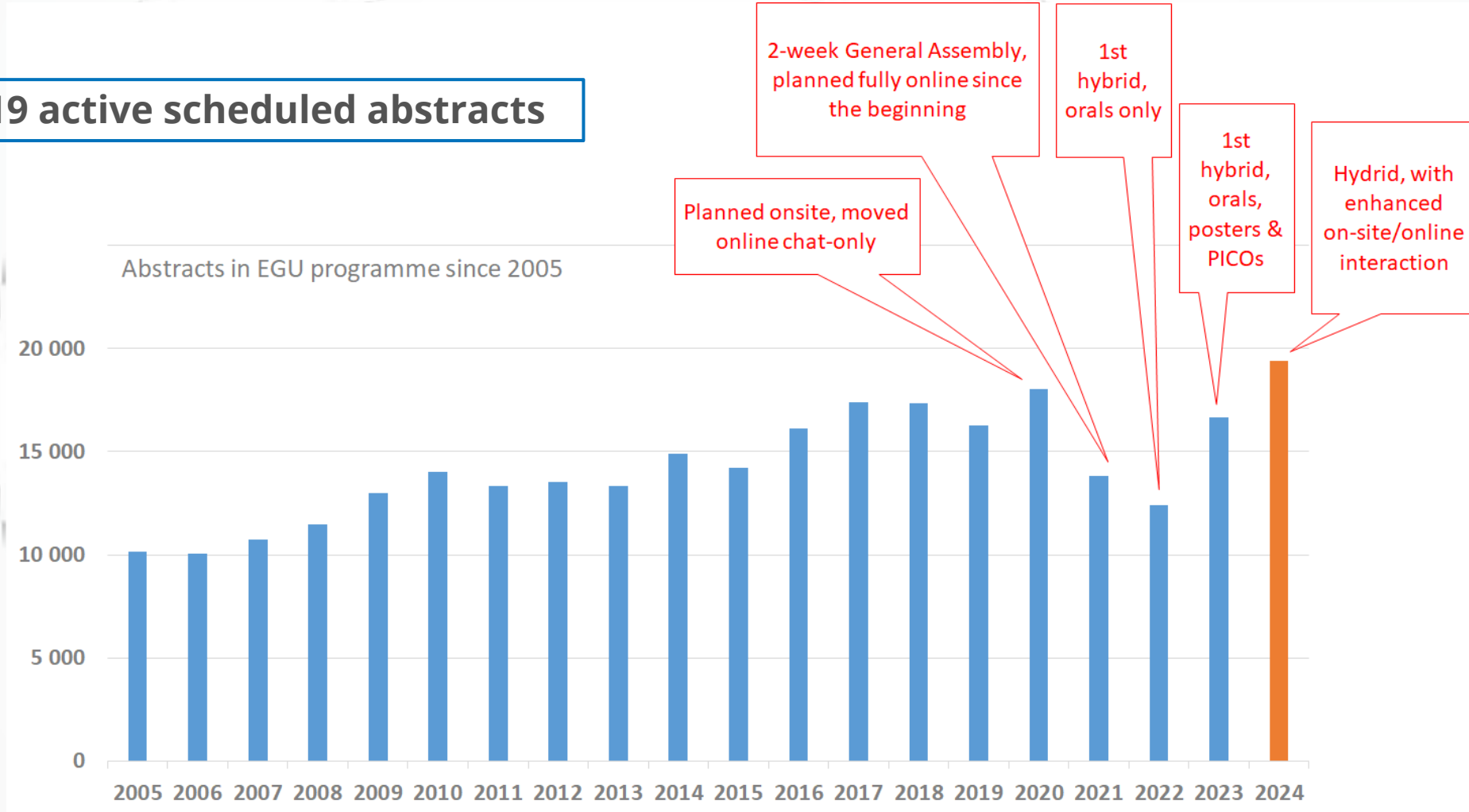
*The word cloud displayed was generated using all the titles of articles published by the journal in 2023.



Meeting statistics, feedback and
ideas for the future

EGU24: numbers at a glance (as of 29 March 2024)

19,319 active scheduled abstracts



EGU24: numbers at a glance (as of 4 April 2024)

- 19,319 **active scheduled abstracts**
- 16.746 **paid registrations** (8% for **virtual participation**)
- 50% of **virtual participants benefited from free registration** (Undergraduate/master students & Low- & lower-middle income countries)
- 37% of on-site participants and 52% of virtual participants are **PhD candidates, Master or Undergraduate students**
- 2% of on-site participants and 24% of virtual participants are from **Low & Lower-middle income countries**
- **Gender** (Female / Male / Non-binary): On-site (39% / 58% / 0%) & Virtual (42% / 54% / 1%)
- 112 **different countries** for on-site participation; 90 for virtual participation



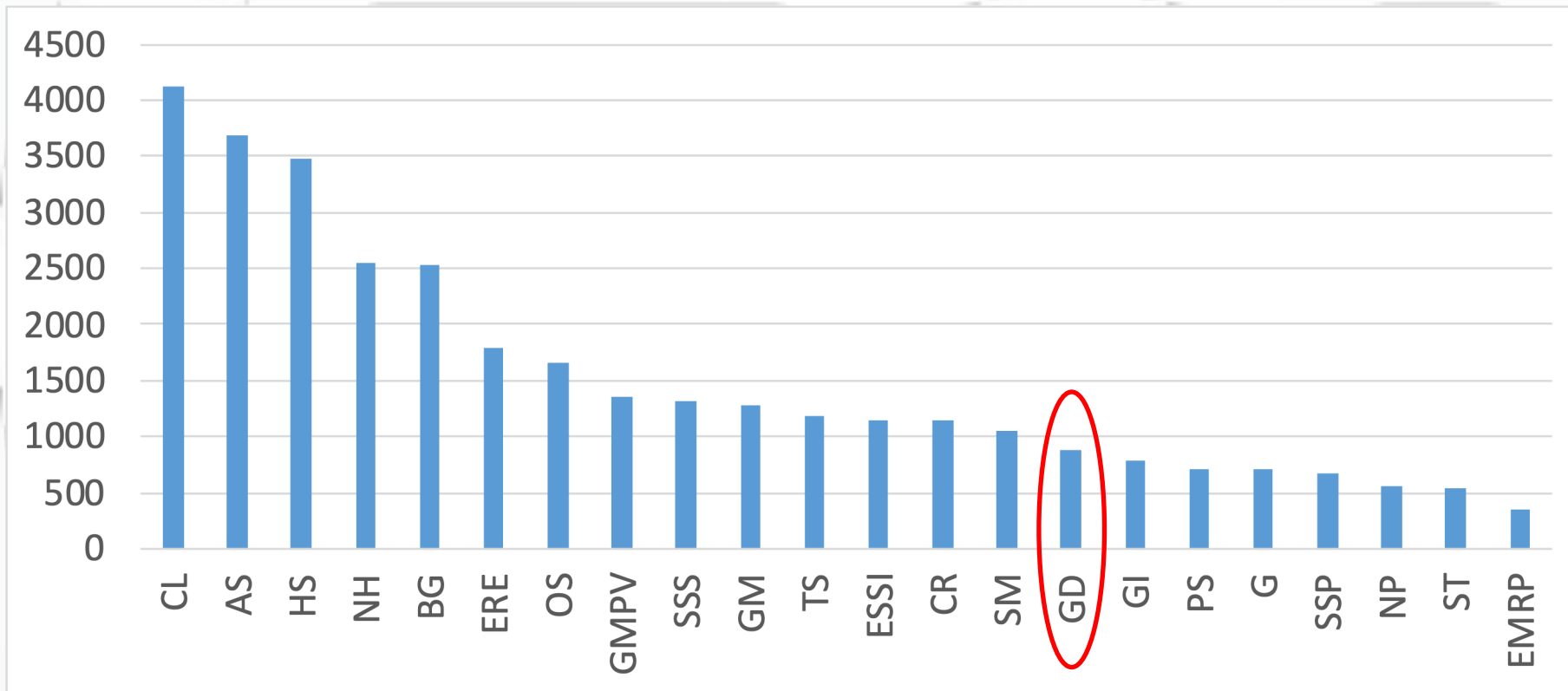
EGU23 main entrance
Photo credit: Pfluegl 2023

EGU24: numbers at a glance

(as of 4 April 2024)

EGU Division/PG affiliation of paid registrations

(note: a participant can choose more than one division of affiliation)





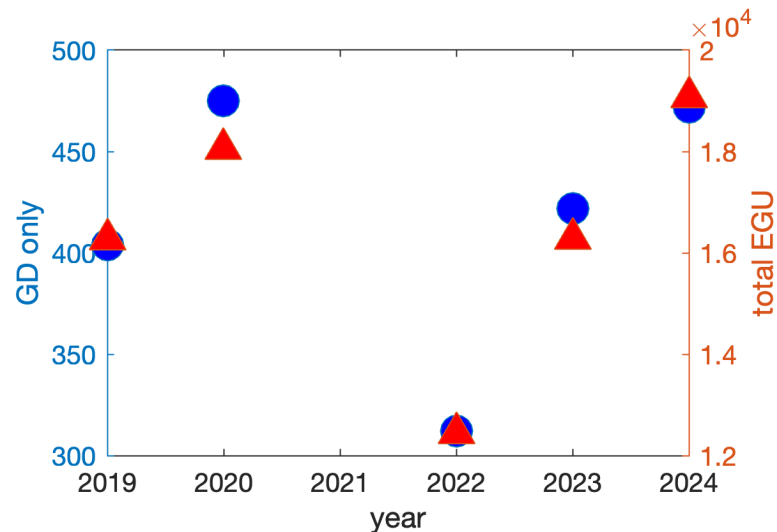
Abstract nrs

GD-led sessions

All sessions

Active scheduled	472	
Granted supports	None:	468 (99%)
	ECSTS:	0 (0%)
Presentations	Posters on site:	189 (40%)
	Orals:	212 (45%)
	Posters virtual:	6 (1%)
	PICO:	65 (14%)
Author identification specifics	ECS:	249 (53%)

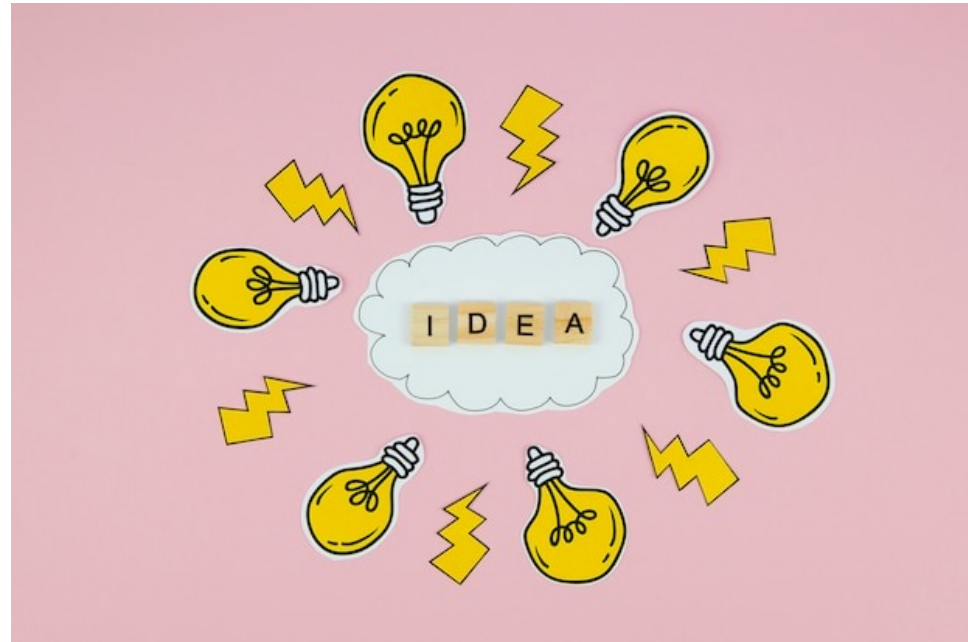
Active scheduled	19,077	
Granted supports	None:	18,828 (99%)
	ECSTS:	225 (1%)
	ESTS:	22 (0%)
	OSECS:	2 (0%)
Presentations	Orals:	8,566 (45%)
	PICO:	1,254 (7%)
	Posters on site:	8,599 (45%)
	Posters virtual:	658 (3%)
	Author identification specifics	ECS:



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



Feedback and ideas for the future

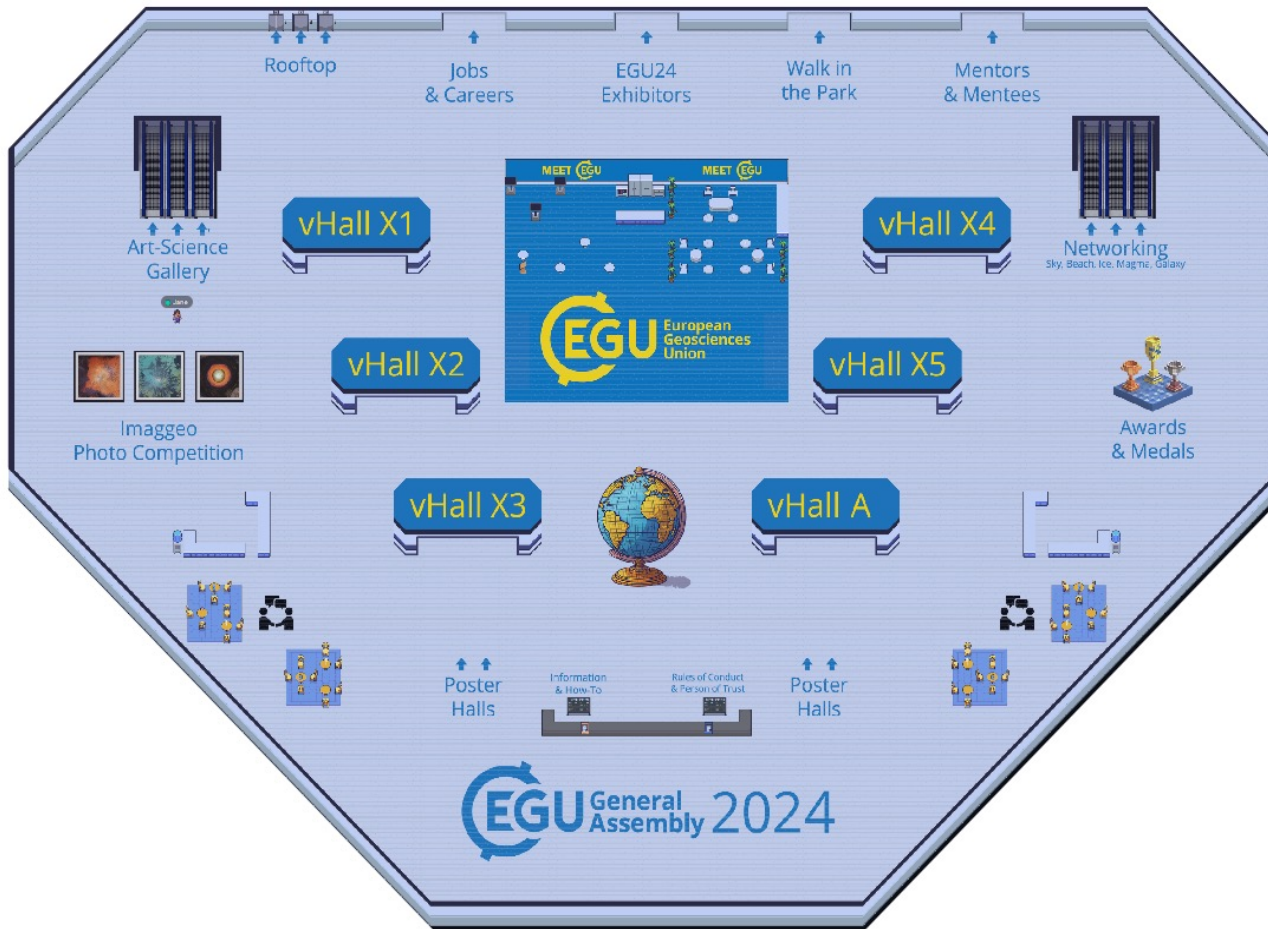




Any Other Business



Stop by the EGU24 Gather.Town!



- Spatial video-conferencing platform available to all EGU24 registered participants
- Used for **virtual posters** during timeblock 3, networking & more
- Custom design inspired by the Austria Center Vienna!





**Please
Give Us
Feedback!**

egu24.eu/feedback





Supplementary material

EGU24: News from the EGU Programme Committee

- **EGU Programme Committee** has **two Co-chairs**, appointed by the EGU Council. They are supported by **an Events Manager** staff member from EGU office
- **Programme Committee:** comprised of **General Positions** (Executive Board, Conference Organizer, PC Co-chairs), and **Programme Group Chairs** (25 Programme Groups reflecting the 22 EGU Divisions with their science officers, and SC, ITS, EOS programmes)
- **Our goal:** to offer a reliable, **hybrid** format of the General Assembly with flexibility to respond to any emerging needs, as **inclusive** and **environmentally friendly** as possible, while responding to the main **scientific challenges of geosciences worldwide**



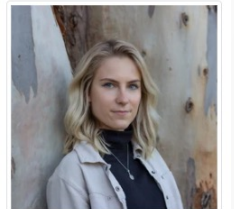
Maria-Helena
Ramos

PROGRAMME COMMITTEE
CO-CHAIR



Athanasios Nenes

PROGRAMME COMMITTEE
CO-CHAIR



Jane Roussak

EVENTS MANAGER

https://egu24.eu/about/programme_committee_composition.html

EGU24: numbers at a glance (as of 29 March 2024)

- **1,025 active sessions** (+11% EGU23):
 - 675 division-led sessions, of which 42 are ITS sessions
 - 17 Education and Outreach Sessions (EOS) + GIFT workshop
 - 61 Short Courses + 2 Artist in Residence workshops
 - 39 Medal and Award Lectures
 - 6 Union Symposia and 10 Great Debates
 - 152 Townhall & Splinter meetings scheduled
- **ECS Networking, Science for Policy, and EDI Committee events**

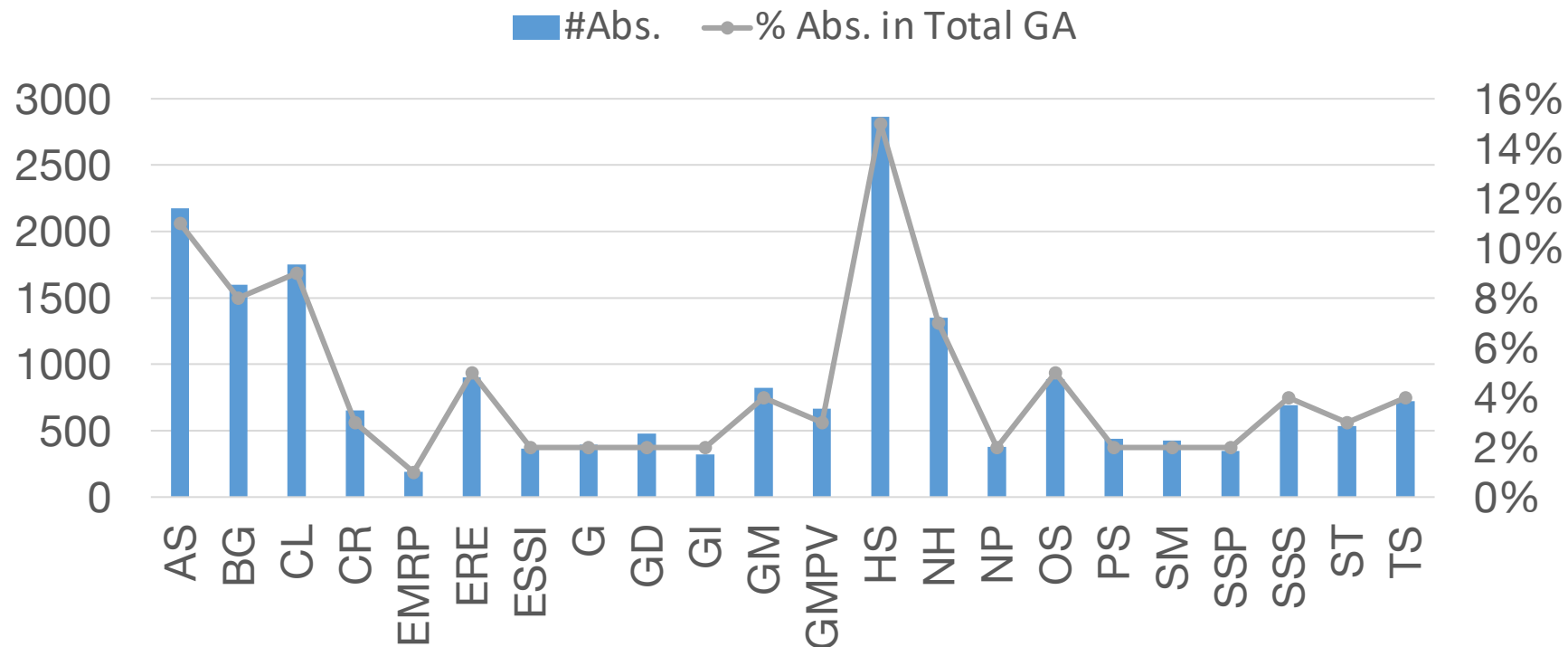


EGU23 oral presentation
Photo credit: Pfluegl 2023

More on: <https://www.egu24.eu/>

EGU24: numbers at a glance

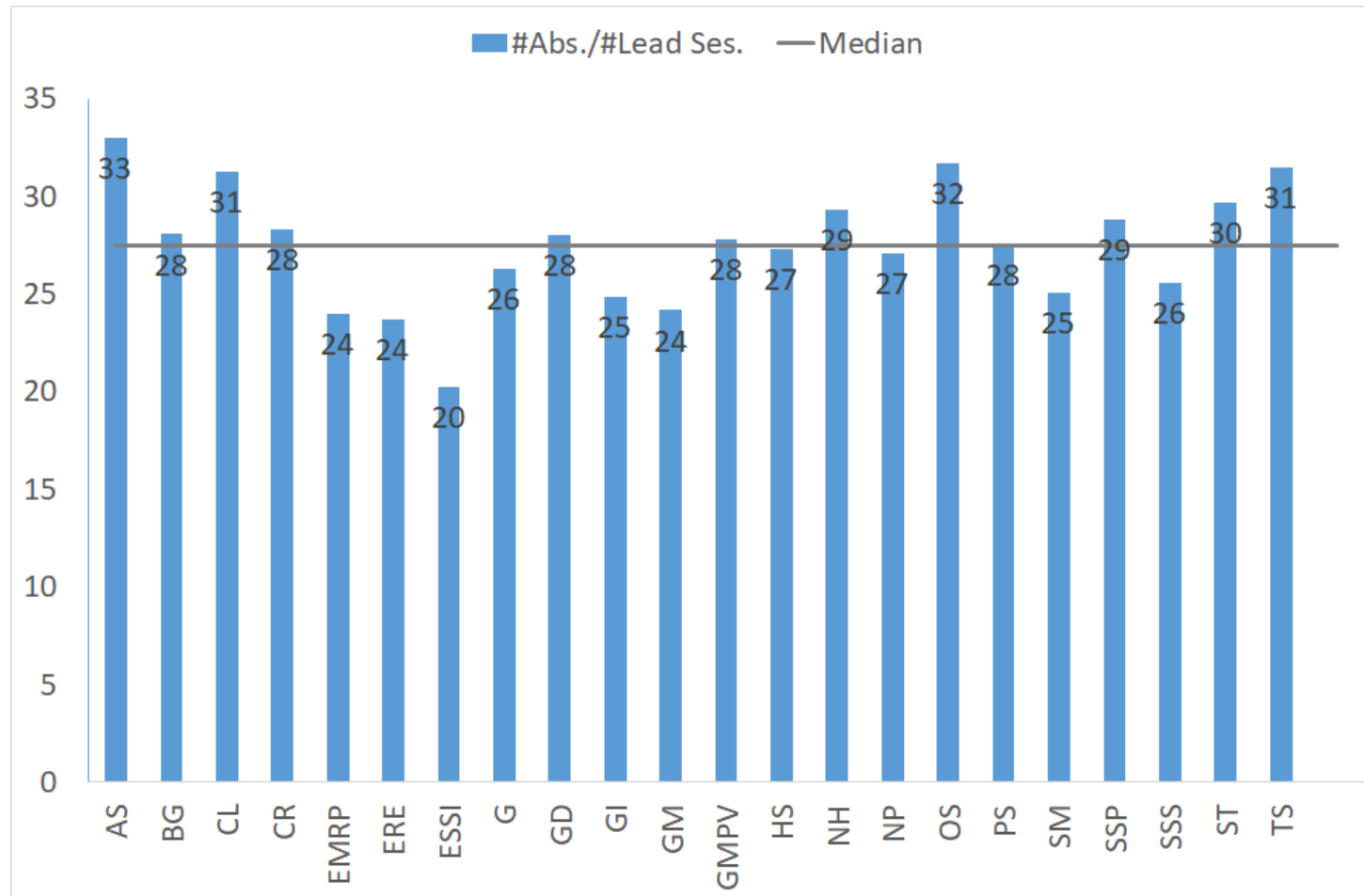
Abstracts per Programme Group (PG)



(as of 24 March 2024)

EGU24: numbers at a glance

Abstracts per (lead) session in each Programme Group



(as of 24 March 2024)