

EGU Division Meeting Seismology

Alice-Agnes Gabriel
(sm@egu.eu)

EGU General Assembly 2025

Agenda and Topics

- **Welcome & Statistics EGU General Assembly 2025**
- EGU Special Activity Fund 2026 – call for proposals
- Awards & Medals & OSPP Awards
- Structure of the Seismology Division
- Report from the ECS Team
- Update from the Programme Committee
- Code of Conduct
- EGU journal “Solid Earth”
- Any other business

Seismology abstracts are 20% up !

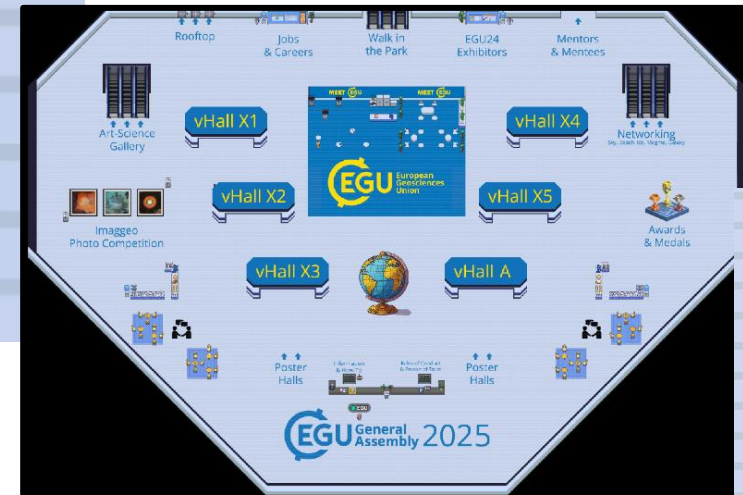
- » **But: our assigned rooms clearly did not increase 20% in size (yet) – consider using the hybrid options in crowded sessions and please let me know for next year**
- » **Scientific sessions, watch out for my daily E-mail:**
<https://meetingorganizer.copernicus.org/EGU25/meetingprogramme/SM>
- » **Great Debate: The Role of Large Language Models (LLMs) in Transforming Geosciences: Friend, Foe, or Fad?** (incl. Ahmed Elbanna, designated director of SCEC)
Thu, 18 Apr, 14:00–15:45 Room E1
- » **Convener's reception (register today)**
Friday, Foyer F, 19:30 – 01:00 am

All the seats taken in a session? Missing a day for travel?

Join EGU25 online!



- Interactive 8-bit conference platform available to all EGU25 registered participants
- Used for **virtual posters** during timeblock 3, networking & more
- Custom design inspired by the Austria Center Vienna!



EGU





Union Symposium 3

**Engaging Communities in Hazard Risk
and Disaster Management: Striking a
Balance Between Top-Down and
Bottom-Up Approaches**

**Friday 2 May, 10:45–12:15 CEST
Room E1**

#EGU25



Union Symposium 6

**Advancing Measurements
and Observations in the
Geosciences**

**Thursday 1 May, 8:30–10:15 CEST
Room E1**

#EGU25



Union Symposium 8

Gender in Geoscience

Friday 2 May, 8:30–10:15 CEST
Room E1

#EGU25



Great Debate 2

**Will digital technologies close or
widen gaps within the
geosciences?**

**Thursday 1 May, 10:45–12:30 CEST
Room E1**

#EGU25



Great Debate 9

**How should the global geoscience
community respond to attacks
on science?**

**Friday 2 May, 16:15–18:00 CEST
Room E1**

#EGU25



EGU Award & Medal Celebration

**Wednesday 30 April,
17:00-19:30 CEST**

#EGU25

Room E1

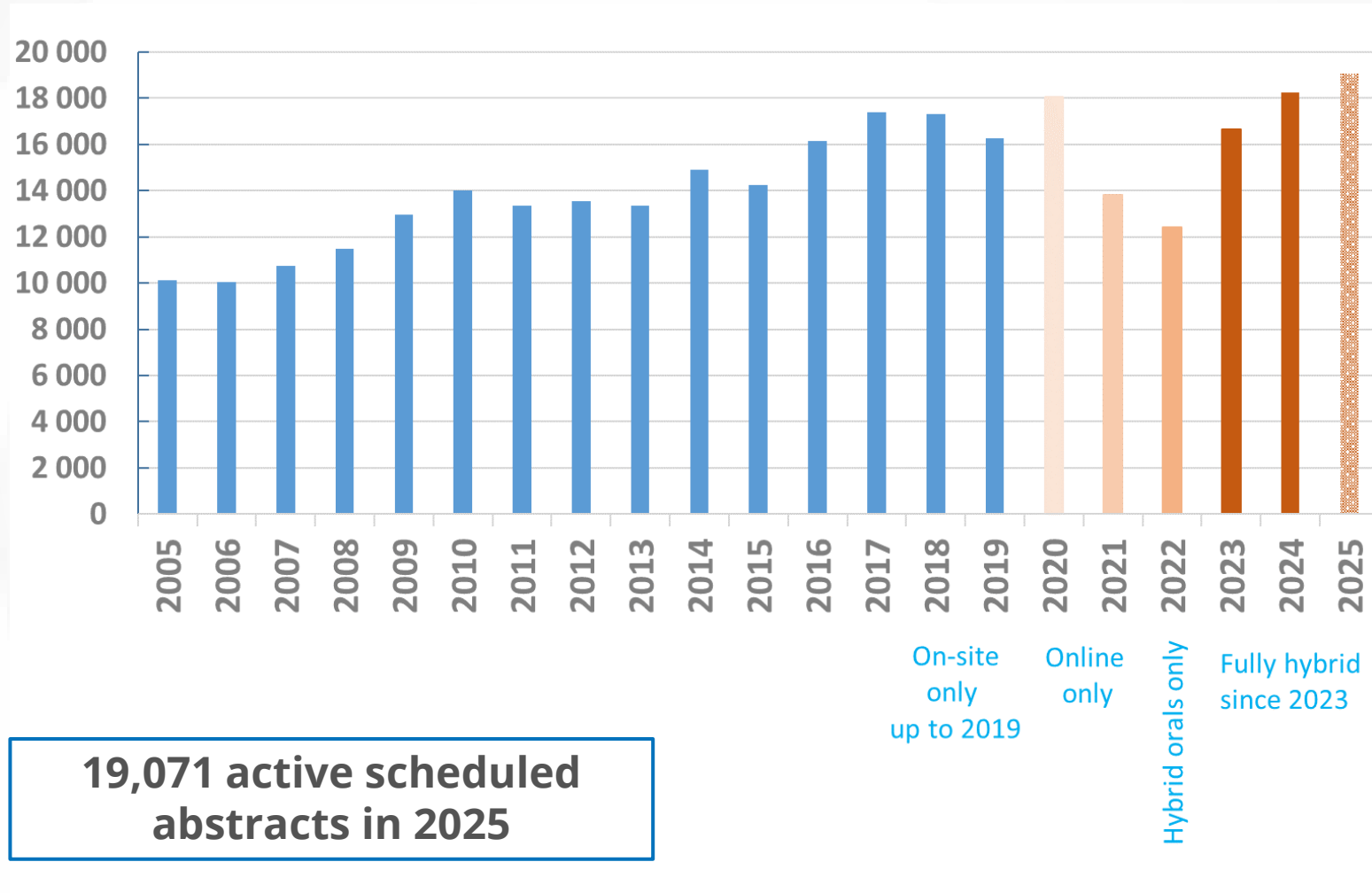
EGU25: numbers at a glance

- **1,103 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
 - 61 Short Courses + 2 Artist in Residence workshops
 - 38 Medal and Award Lectures
 - 9 Union Symposia and 9 Great Debates
 - 150 Townhall & Splinter meetings scheduled
- **ECS Networking, Science for Policy, and EDI Committee events**

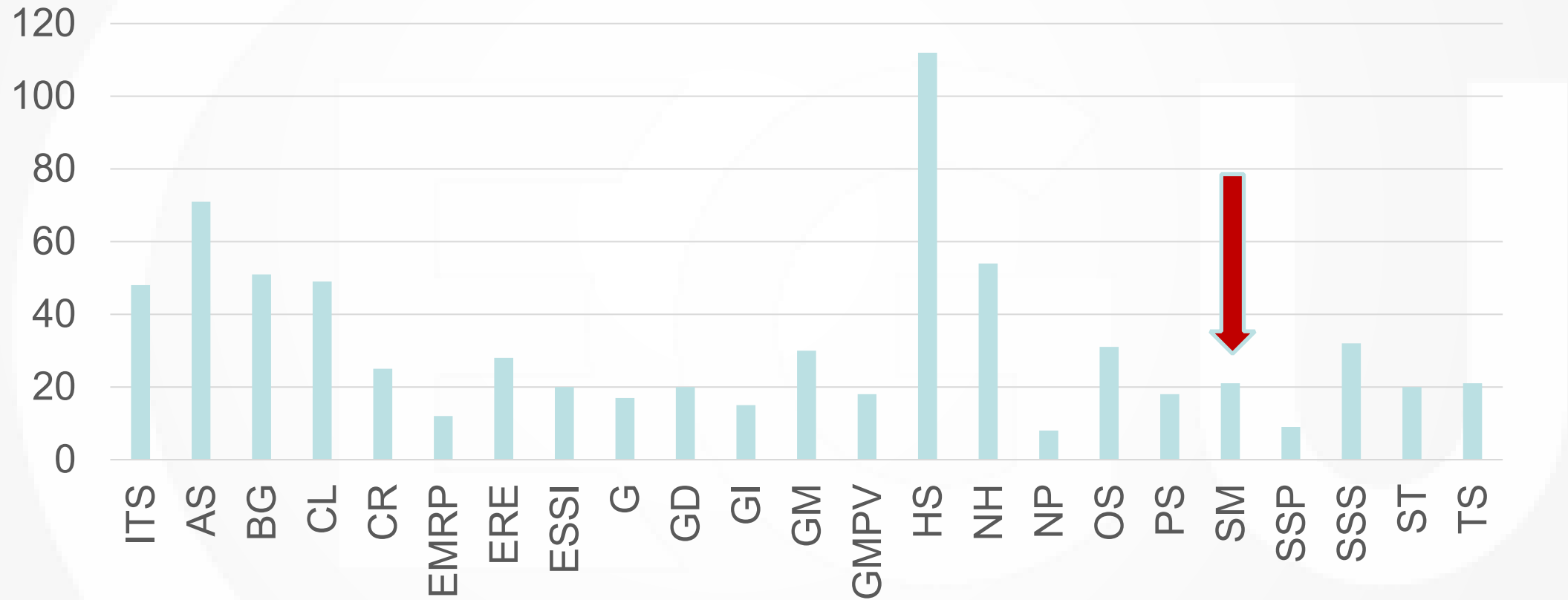


EGU24 Room E1

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



Active sessions in ITS and Disciplinary Programme Groups



(as of 16 April 2025)

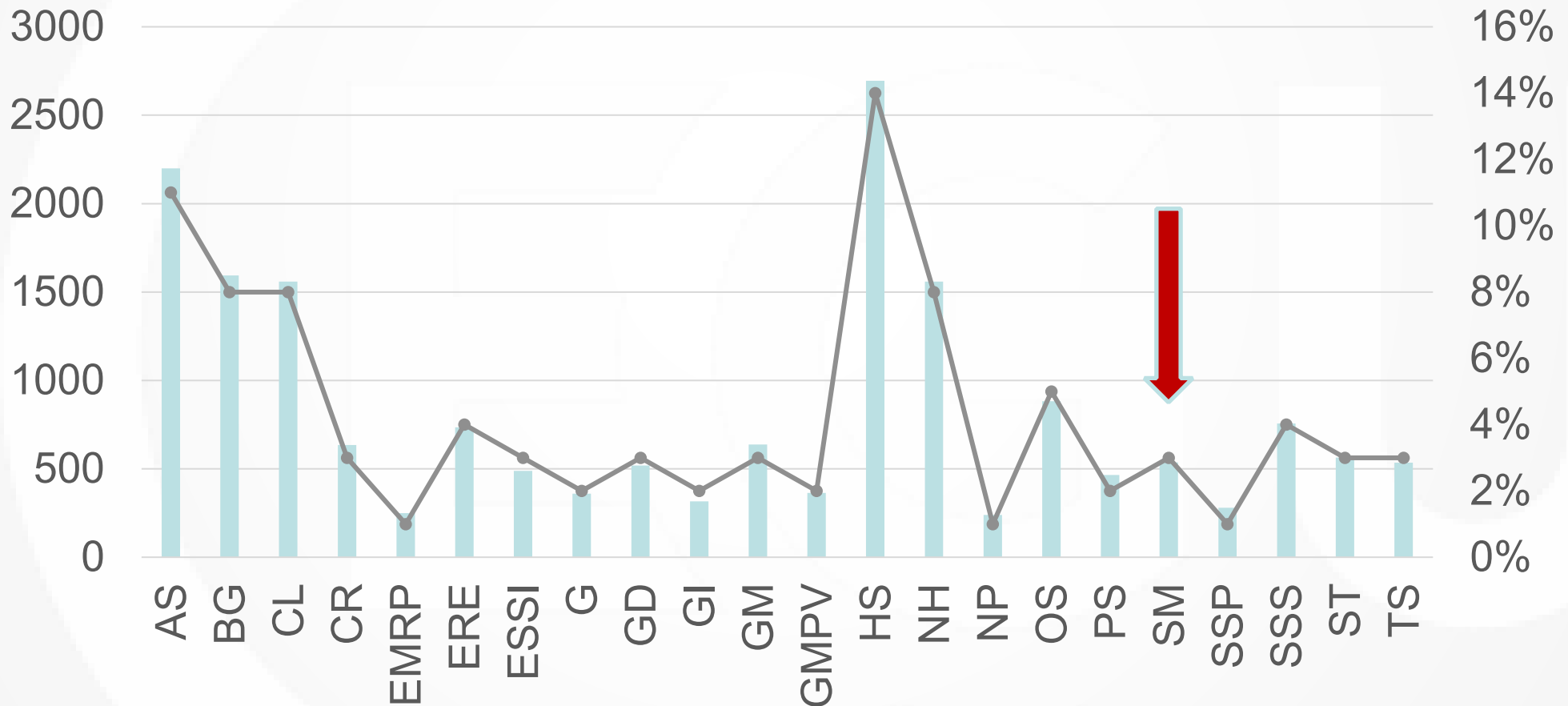


General
Assembly

2025

Vienna, Austria & Online | 27 April–2 May 2025

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



(as of 16 April 2025)



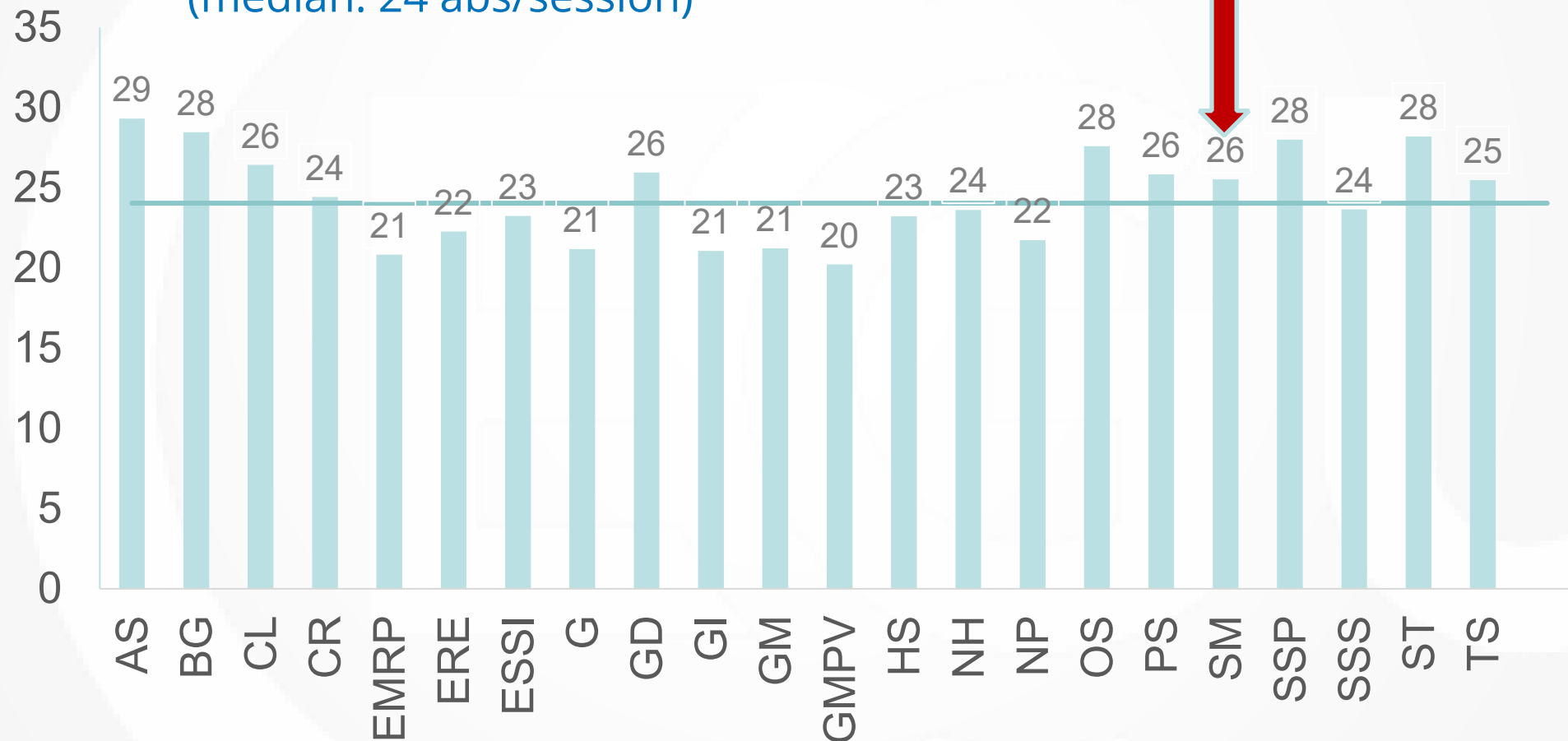
General
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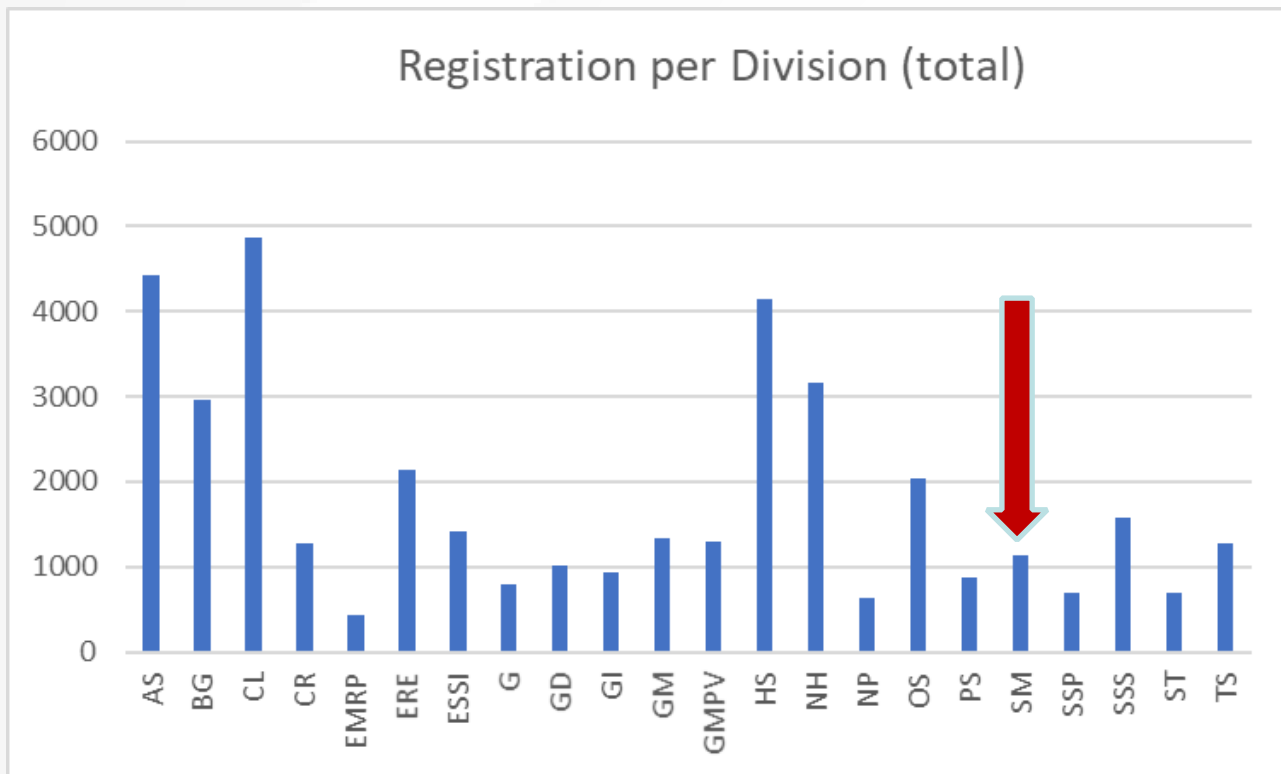
Abstracts per (lead) sessions per Programme Group (PG)

(median: 24 abs/session)



(as of 16 April 2025)

(a participant can choose more than one affiliation)



- 19,500+ **registrations** (9.5% for **virtual participation**; 8% in EGU24)
- 53% of virtual registration are “**free virtual registration**”
- 56% are **ECS**
- Gender**

Gender (paid)	On-site		Virtual		Total
Female	6.789	38%	798	43%	7.587
Male	10.265	58%	977	53%	11.242
Non-binary	63	0%	8	0%	71
Prefer not to answer	503	3%	64	3%	567

(as of 27 April 2025)

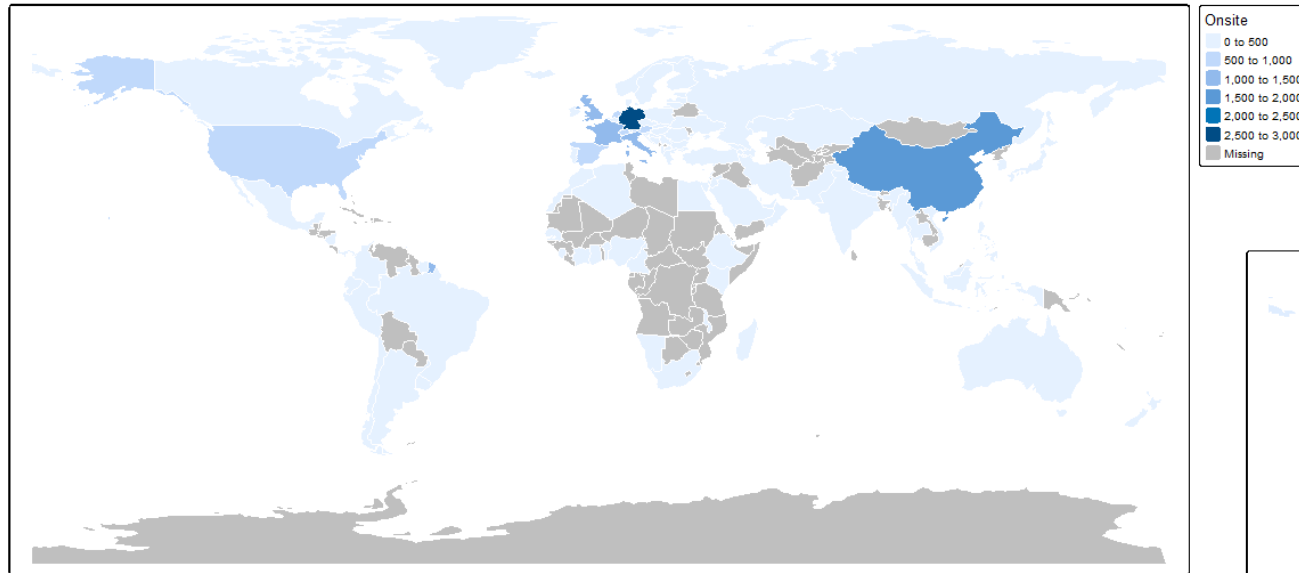
- **Different countries:** 117 for on-site participation; 98 for virtual participation

Country statistics (paid)	On-site
Germany	2.786
China	1.971
Italy	1.626
United Kingdom	1.287
France	1.166
United States of America	843
Austria	728
Switzerland	705
Spain	586
Netherlands	559

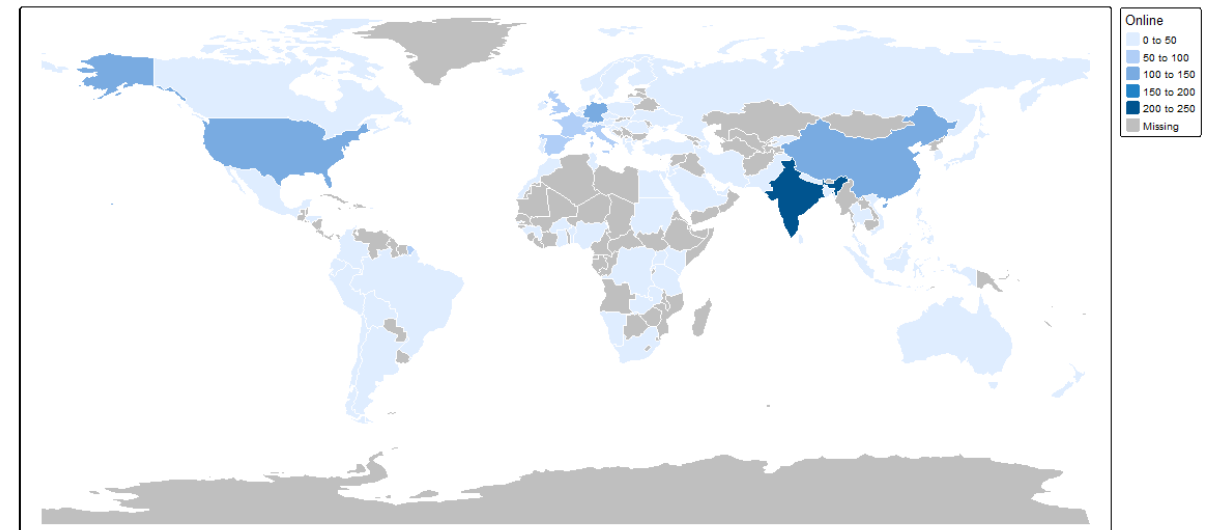
Country statistics (paid)	Virtual
India	301
China	181
United States of America	165
Germany	160
United Kingdom	119
Italy	113
France	84
Spain	56
Greece	50
Austria	41

(as of 27 April 2025)

On-site



Virtual



(as of 16 April 2025)



**Please
Give Us
Feedback!**

egu25.eu/feedback

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- EGU journal “Solid Earth”
- Any other business



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):

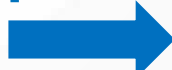
 <https://www.egu.eu/meetings/special-activity-fund/>

Apply for funds to run a training school or conference in 2026!



Photo credit: **V. De Micco, 2024**

The EGU Topical Events Committee provides **financial support** to training school and conference organisers, with intent to facilitate participation of early career scientists and/or to support the quality of the event's scientific programme.

Learn more about eligibility
& **submit your application**
by 16 May 2025 



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Outstanding Student and PhD-candidate Presentations (OSPP) are now open for judging!



If you are an OSPP judge,
look for the logos on OSPP
presentations and submit
your assessment today!

**Thank you, Monica Sukan,
SM OSPP Coordinator!**

OSPP Awards 2024

OUTSTANDING STUDENT AND PHD CANDIDATE PRESENTATION (OSPP) AWARDS 2024

Pauline Georges

[Home](#) / [Awards & medals](#) / [Outstanding Student and PhD candidate Presentation \(OSPP\) Awards](#) / [2024](#) / [Pauline Georges](#)

Site search



SM Seismology

The 2024 Outstanding Student and PhD candidate Presentation (OSPP) Award is awarded to Pauline Georges for the poster/PICO entitled:

Improving the representation of apparent anelastic attenuation variability in regionalised Ground Motion Models in Europe with a focus in mainland France (Georges, P.; Kotha, S. R.; Chaljub, E.)

Click [here](#) to download the poster/PICO file.

Pauline Georges is a PhD candidate at the Earth Science Institute, ISTerre, at the Grenoble Alpes university. Her research focuses on improving the seismic hazard studies especially for shallow earthquakes in Europe. Ground motion model were using general model, but they are now regionalised to better take into account the variability of wave propagation in the crust. She works at developing the next generation of ground motion model by improving the modelisation of apparent anelastic attenuation. In her EGU presentation, she tests different approach to regionalise the apparent anelastic attenuation variability and presents the best approach. The apparent anelastic attenuation variability is then shown at different frequencies and the results are partially analysed.



Pauline Georges

OSPP Awards 2024

OUTSTANDING STUDENT AND PHD CANDIDATE PRESENTATION (OSPP) AWARDS 2024

Nino Menzel

[Home](#) / [Awards & medals](#) / [Outstanding Student and PhD candidate Presentation \(OSPP\) Awards](#) / [2024](#) / Nino Menzel

Site search



SM Seismology

The 2024 Outstanding Student and PhD candidate Presentation (OSPP) Award is awarded to Nino Menzel for the poster/PICO entitled:

Strategies for geoelectrical monitoring of subsurface fluid transport processes using Optimized Experimental Design (Menzel, N.; Uhlemann, S.; Wagner, F. M.)

Click [here](#) to download the poster/PICO file.

Nino Menzel is a PhD candidate at RWTH Aachen University under the supervision of Prof. Florian Wagner. After completing his Masters in Applied Geosciences in 2022 at RWTH Aachen, Nino started his PhD at the Geophysical Imaging and Monitoring Research and Teaching Unit. His PhD project is funded by the Federal Agency for Nuclear Waste Disposal (BGE) and focuses on improving the predictive quality of simulations relevant for safe disposal and storage of nuclear waste.

Nino's current research aims at optimizing geophysical data acquisitions by applying different Optimized Experimental Design (OED) strategies. His primary goal is to develop and adapt a variety of optimization strategies for geophysical monitoring surveys of subsurface fluid flow processes. The awarded poster presented three OED methods that were successfully applied to a synthetic tracer flow simulation. Nino's near-future research goals include the verification of the presented findings in the field as well as further developments in the time-lapse inversion of monitoring data as well as multi-method OED strategies.

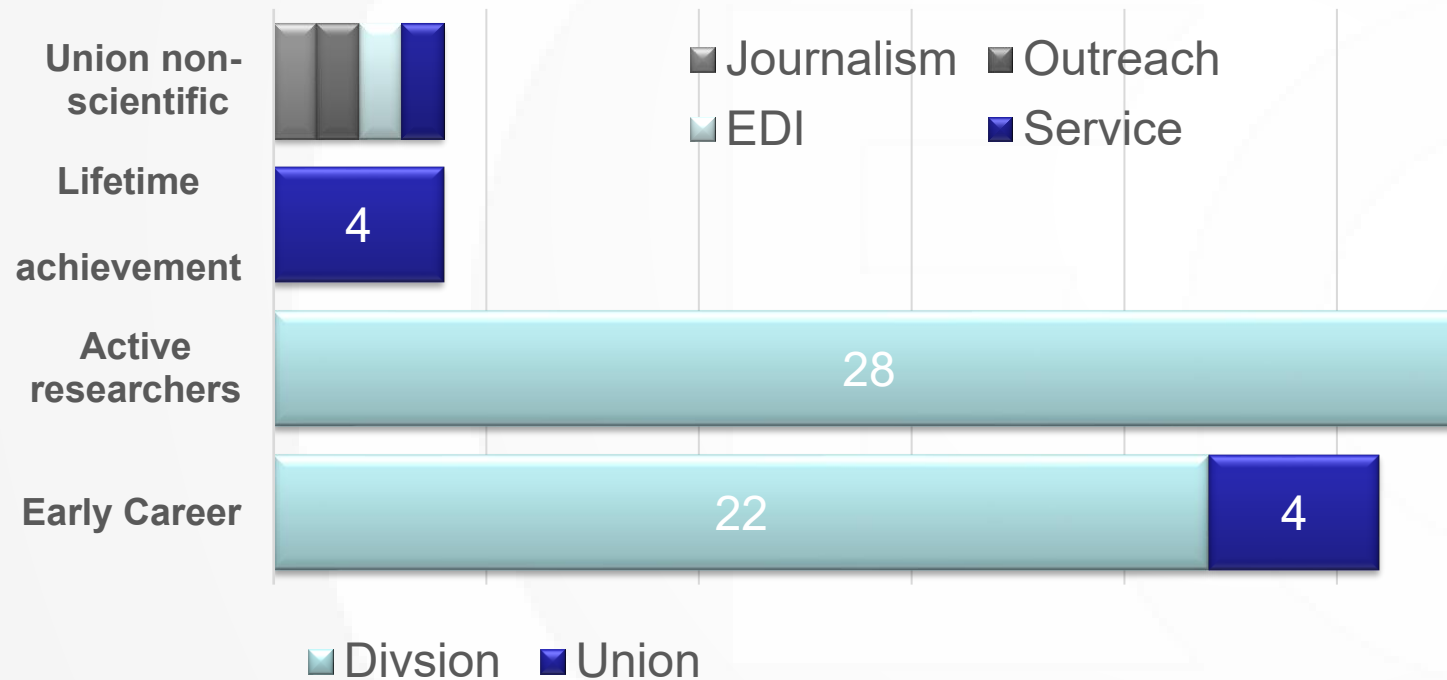


Nino Menzel



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



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

Outstanding Early Career Scientist Award Lecture 2025 (today!)



The 2025 Seismology Division Outstanding Early Career Scientist Award is awarded to **Brandon Paul VanderBeek** for major achievements in seismic imaging of the Earth's interior, and geodynamic interpretation of its complex isotropic and anisotropic structure.



Dr. Brandon Paul VanderBeek



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



EGU awards & medals

How to nominate

Where: <https://www.egu.eu/nominations/>

When: **Deadline is**

**Nomination Deadline
June 15**

What is required:



	Division and Union medals	Outstanding Early Career Scientists Awards
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EGU awards & medals

How to

Where

When:

What is re



Nomination Deadline – June 15

nations/

g Early Career
awards

acters (including
spaces)

1 page

½ page

None

(multiple nominators
possible)

Nomination and supporting letters via on-line form

Thank you to the Beno Gutenberg Medal – Committee **2025**

The Committee for the Beno Gutenberg Medal 2025 was composed of last medalists who have been awarded the Beno Gutenberg Medal. There must be a non-medalist, former Seismology Division President.

2024



Jaroslava Plomerova

2022



Yehuda Ben-Zion

2021



Malcolm Sambridge
(chair)

Non-medalist



Philippe Jousset



<http://www.egu.eu/awards-medals/beno-gutenberg/>

<http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/>

Beno Gutenberg Medal – Committee for the Medal 2026 (vote)

The Committee for the Beno Gutenberg Medal 2024 is composed of the last five medalists who have been awarded the Beno Gutenberg Medal
There must be a non-medalist: proposal former Seismology Division President

2017



Hitoshi Kawakatsu

2024



Jaroslava Plomerová

2022



Yehuda Ben-Zion
(chair)

Non-medalist



Philippe Jousset



<http://www.egu.eu/awards-medals/beno-gutenberg/>

<http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/>

Thank you to the ECS Award Committee **2025!**

- Division President
- The 2 past awardees



Alice-Agnes Gabriel



Caroline Eakin



Stephen P. Hicks

ECS Award Committee 2026 (vote)

- Division President
- The 2 past awardees



Alice-Agnes Gabriel



Caroline Eakin



Dr. Brandon Paul VanderBeek

Early Career Scientist

- » An Early Career Scientist (ECS) is a student, a PhD candidate, or a practicing scientist who received their highest certificate (e.g. BSc, MSc or PhD) within the past seven years. The seven-year period can be extended to allow for periods when the scientist was not working in science because of, but not limited to, caring and/or parental responsibilities, disability, personal illness, community obligations or national service.
- » For the purpose of the awards the nominee should satisfy one of the above criteria by 1 January of the year when the award is presented.

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



EGU awards & medals

How to

Where

When:

What is re



Nomination Deadline – June 15

nations/

g Early Career
awards

acters (including
spaces)

1 page

½ page

None













(multiple nominators
possible)

Nomination and supporting letters via on-line form

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<https://www.egu.eu/sm/structure/>

President	Alice-Agnes Gabriel 
Deputy President	Philippe Jousset 
Programme Group Chair	Alice-Agnes Gabriel 
Science Officers	Heiner Igel  Computational & Theoretical Seismology
	Philippe Jousset  Crustal Fluids and Seismic Activity (incl. induced & triggered seismicity, volcano seismicity)
	Henriette Sudhaus  Deformation, Faulting and Earthquake Processes (incl. seismotectonics, geodynamics, earthquake source physics)
	Paul Martin Mai  Deformation, Faulting and Earthquake Processes (incl. seismotectonics, geodynamics, earthquake source physics)
	Fabrice Cotton  Engineering Seismology and Seismic Hazard
	Aldo Zollo  Real-Time Seismology and Early Warning
	Cédric Schmelzbach  Seismic Imaging Across Scales (from near-surface to global scale, incl. methodological developments)
	Lapo Boschi Seismic Imaging Across Scales (from near-surface to global scale, incl. methodological developments)
	Luca de Siena  Seismic imaging, seismic scattering and computational seismology
	Damiano Pesaresi  Seismic Instrumentation & Infrastructure



- **We will vote on the next Division President this fall**
- **A call for nominations is issued this summer**

Vote on the deputy president



President

(2023-2025; 2025-04/2027)



Alice-Agnes Gabriel

Deputy President

(2023 – 04/2026 (vote))



Philippe Jousset

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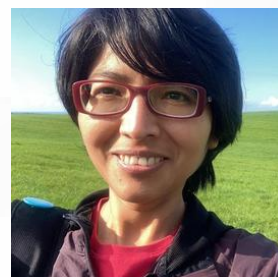
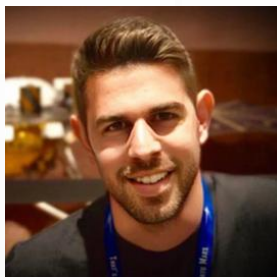
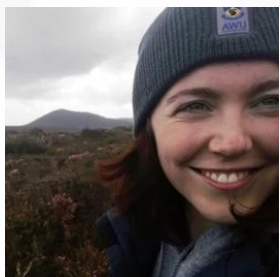
Early Career Scientist Representatives



<https://www.egu.eu/ecs>



ecs@egu.eu



Seismology ECS Update

#EGU25_SM

Ana Nap
University of
Zurich

Adam Ciesielski
Institute for Geodesy and
cartography, Poland

**Katinka
Tuinstra**
ETH Zurich

David Schlaphorst
University of Lisbon

Dinko Sindija
University
of Zagreb

**Foivos
Karakostas**
University College
London

Laura Reilly
Dublin Institute for
Advanced Studies

Eleanor Dunn
Dublin Institute for
Advanced Studies

Seismology Early Career Scientist Representative Team



Ana Nap
Incoming SM
representative
+ Social Media
Manager



Foivos Karakostas
Outgoing SM
representative



Adam Ciesielski
Chief Blog Editor



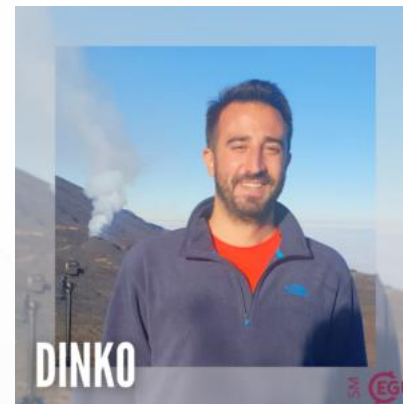
Katinka Tuinstra
Blog Editor



David Schlaphorst
Social Media +
Campfires



Laura Reilly
Blog Editor



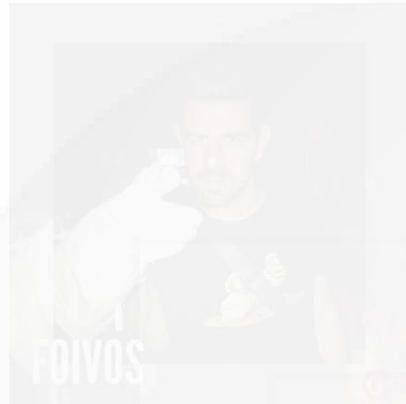
Dinko Sindija
Blog Editor

Seismology Early Career Scientist Representative Team



Ana Nap

Incoming SM
representative
+ Social Media



Foivos Karakostas

Outgoing SM
representative



Adam Ciesielski

Chief Blog Editor



Katinka Tuinstra

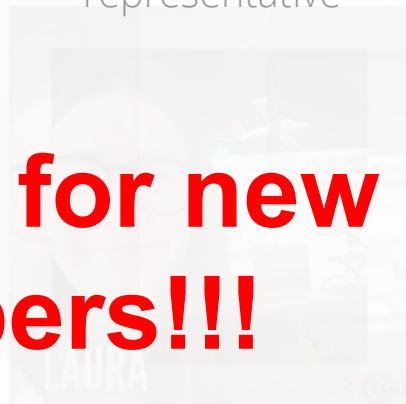
Blog Editor



David Schlaphorst

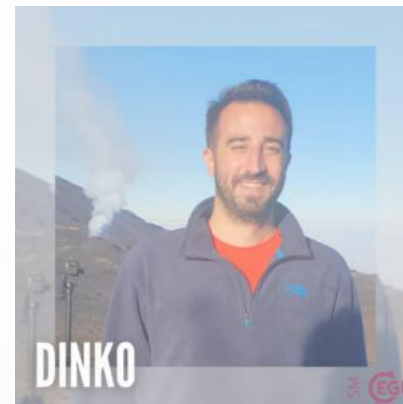
Social Media +

**Looking for new
members!!!**



Laura Reilly

Blog Editor



Dinko Sindija

Blog Editor



So, what do we do?

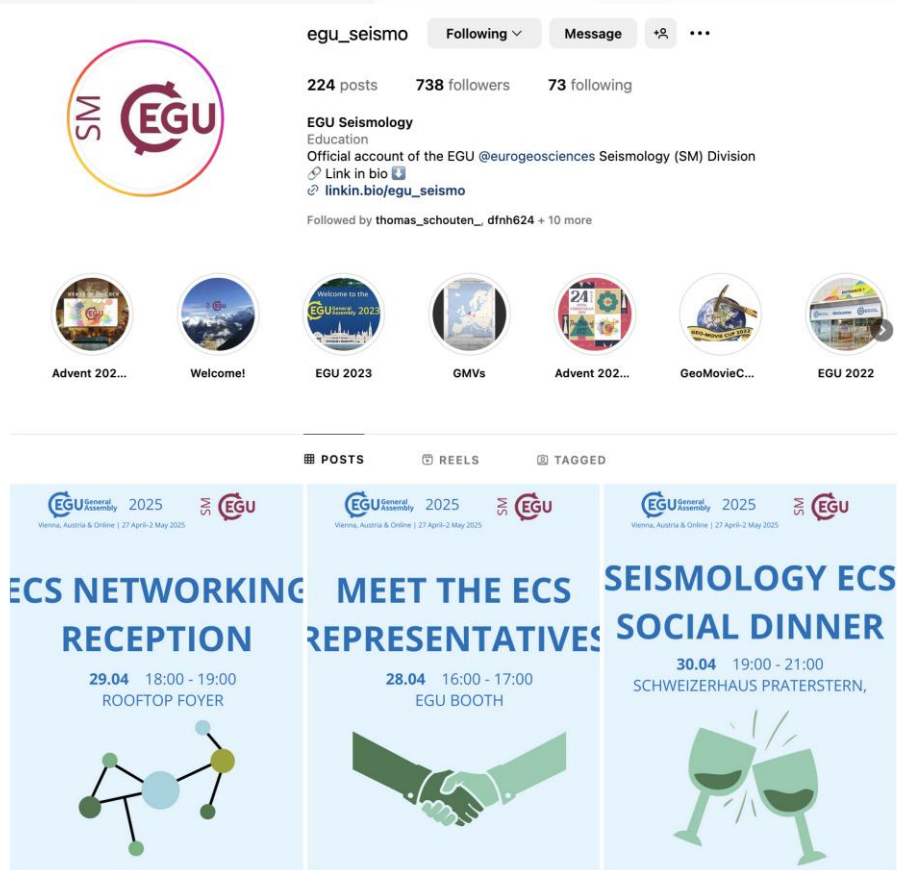
- Represent early career seismologists within EGU
- (Co) Organise ECS events at the GA and outside of the GA
- Organise short-course Seismology 101 (*unfortunately not this year*)
- Write and edit blogs on anything seismology
- Collect a regular job portal blog
- Post about the blogs and other things on Social Media
- Organise webinars or online campfires
- And more!

**Looking for new
members!!!**



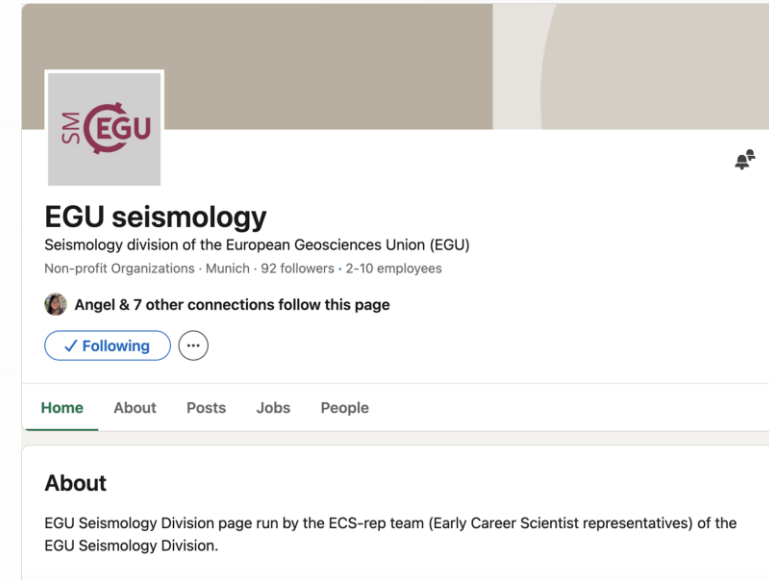
Social Media

Instagram Page



No X/Twitter anymore!!

LinkedIn



Facebook



Social Media - Instagram



egu_seismo Following Message ...

224 posts 738 followers 73 following

EGU Seismology
Education
Official account of the EGU @eurogeosciences Seismology (SM) Division
Link in bio
linkin.bio/egu_seismo

Followed by thomas_schouten_, dfnh624 + 10 more



In Numbers:

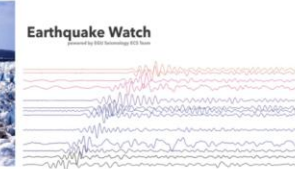
- Gained 130 Followers (total 738 now)
- Posts reach up to 1200 people (average 300-700 people)

Seismo Blogs

SENSOR: Fishing geophones from a helicopter in Greenland



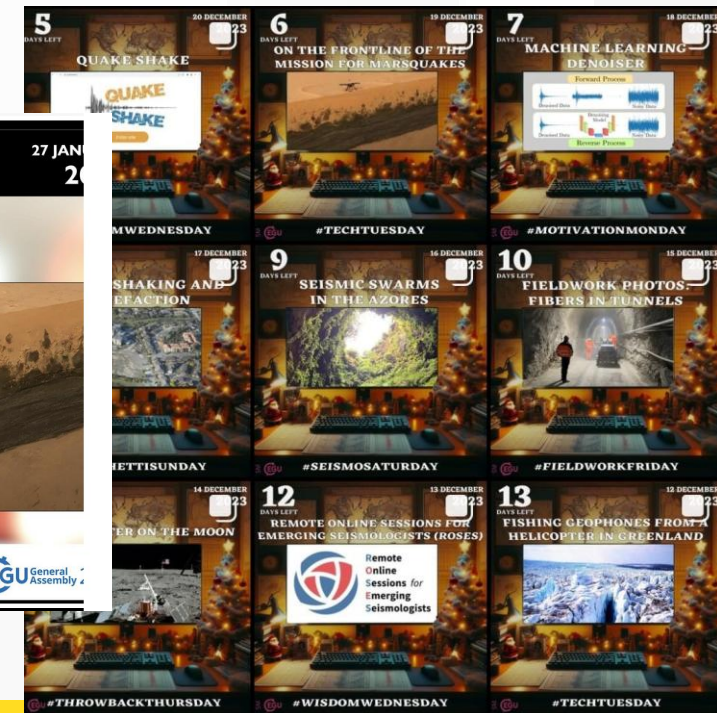
Earthquake Watch: The Guanshan, Chih-shang sequence in Taiwan, 17-18 Sept, 2022



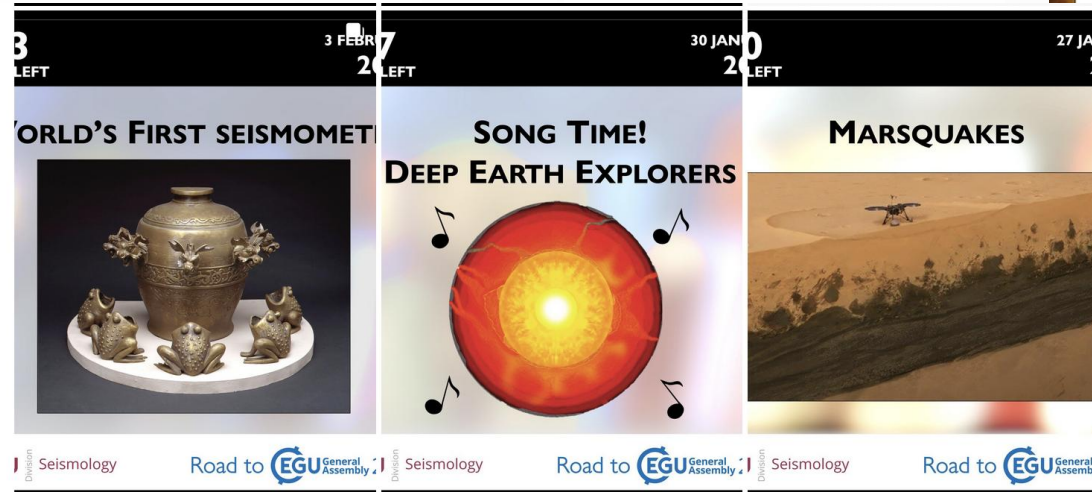
On the Frontline of the Mission for Marsquakes



Christmas Advent Calendar



Road To EGU



Seismology Blog

Editorial line

Seismology Division Events for GA EGU25

EGU Seismology ECS Team · April 17, 2025



"State of the ECS": EGU 24/25 and, our new members!

EGU Seismology ECS Team · December 6, 2024



Guest blog posts

Seismology Job Portal

Earthquake Watch

State of the ECS

SENSOR

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SENSOR



Seismic Denoising meets Generative Image Models

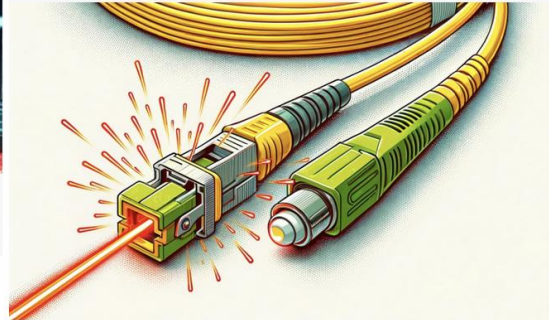
Alex Saoulis · December 18, 2023



anta Claus Looking at a Seismic Trace on a Monitor' created by DALL-E 3

What is Distributed Acoustic Sensing?

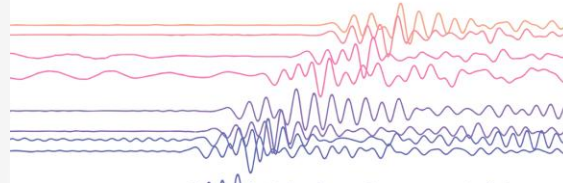
EGU Seismology ECS Team · December 2, 2023



OpenAI - DALL E illustration

Earthquake Watch

powered by EGU Seismology ECS Team



Earthquake Watch: Santorini-Amorgos earthquake swarms

EGU Guest blogger · March 19, 2025



Seismology

JOB Portal



Seismology Blog

Editorial line

Interested in writing a blog???

Don't hesitate to contact us!

Great way to promote your science or reach a wide range of people about your subject

Guest blog posts

Seismology Job Portal

Earthquake Watch

State of the ECS

SENSOR



Seismology Early Career Scientist Representative Team

Beyond seismology...

We are collaborating with ECS from other divisions on overarching ECS themes:

- We are working in various thematic Working Groups, like Careers and Life-Work Balance (these are open to anyone to join!).
- We are organising Short Courses, Great Debates, Networking and Pop-up events during the GA.
- We put forward action proposals for EGU council.
- We help streamline and improve the organisation of the work of the ECS Reps.

ECS SM Social Events during EGU23

- **EGU25 BYO Icebreaker**

When & where: Sunday 27 April, 15:30 @ CopaBeach

Together with a number of other divisions

- **ECS Seismology Social diner**

When & where: **Wednesday 30 April, 19u** @ Schweizerhaus im Prater

Still places left, so sign up quickly! (QR code on next slide! 😊)

- **Bermuda Bräu Social Evening**

When & where: Wednesday 30 April, 20:30 @ Bermuda Bräu

-> Details on the EGU25 Pop-up Networking Events webpage

Join the team! (And the dinner!)

- **Contact us during the GA or after!!**
- We are looking for blog writers, social media managers, seminar organisers, and more :)

Looking for new members!!!



Sign up for the dinner!



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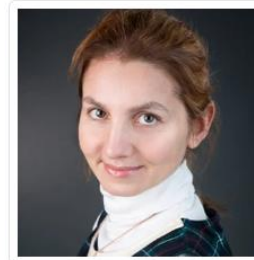
The EGU Programme Committee welcomes you to EGU25!



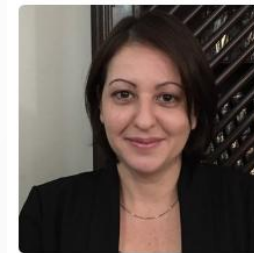
Meet the PC Co-chairs &
EGU Events Manager:

On-site:
Wed, 30 April
15:30-16:00 CEST
EGU Booth
Hall X2

Virtual:
Tue, 29 April
10:15-10:45 CEST
vEGU Booth
Gather.Town



Ira Didenkulova
PC Co-chair



Maria-Helena Ramos
PC Co-chair



Jane Roussak
Events Manager

The EGU Programme Committee welcomes you to EGU25!

Our goal:

to provide a forum where scientists, especially early career researchers, can present their work and discuss their ideas with experts in **all fields of geoscience**, by offering a **hybrid, inclusive** and **environmentally friendly** as possible **General Assembly** that responds to the main **scientific challenges** of geosciences worldwide

EGU Programme Committee is comprised of a **Leadership team** (PC Co-chairs, Events Manager), EGU Executive Board, Copernicus Conference Manager, PC Officers and Coordinators, and **Programme Group Chairs** with their Science Officers.

https://egu25.eu/about/programme_committee_composition.html

Agenda and Topics

- Welcome & Statistics EGU General Assembly 2025
- EGU Special Activity Fund 2026 – call for proposals
- Awards & Medals & OSPP Awards
- Structure of the Seismology Division
- Report from the ECS Team
- Update from the Programme Committee
- **Code of Conduct**
- EGU journals and “Solid Earth”
- Any other business

EGU Persons of Trust

We are committed to providing a **safe, open, accessible, and respectful General Assembly**, as per the EGU Code of Conduct.

Any behaviour that is disrespectful or violates the Code of Conduct can be **reported to the designated Person(s) of Trust**

- by emailing **conduct@egu.eu**
- or on-site, 8:00-17:00 at the **EGU Info Desk (Yellow level)**

<https://www.egu.eu/about/code-of-conduct/>

EGU Code of Conduct

The European Geosciences Union (EGU), Europe's leading organisation for Earth, planetary and space science, is dedicated to the pursuit of excellence in geoscience research. The EGU facilitates dialogue and the exchange of information between scientists, the media, policymakers and the public and is recognised as a trusted source of impartial, evidence-based geoscience information.

In order to uphold and promote the highest standards of scientific integrity, open science and open access research, the Union has adopted the following Code of Conduct. The aim of this document is to promote ethical integrity and an inclusive, constructive and positive approach to science within the broad scope of EGU activities.

The standards set out in this document are intended to guide members, officers and participants in EGU activities on the expected and required behaviour and conduct. They are guidelines and do not imply a legal obligation on the part of EGU with respect to its members.

Because the EGU is committed to a safe, open, accessible and respectful environment at its meetings, all organisers and participants are also expected to follow specific meeting guidelines when publicly available. Guidelines for the EGU General Assembly are posted on the conference's annual website.

For more information, please contact:



Andrea Popp

PERSON OF TRUST

✉ conduct@egu.eu



Jürg Schweizer

PERSON OF TRUST

✉ conduct@egu.eu

Agenda and Topics

- Welcome & Statistics EGU General Assembly 2025
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Open Access Publications



- Open Access Journals
- Interactive Public Peer Review



www.egu.eu/publications

Solid Earth is EGU's journal addressing topics of many divisions

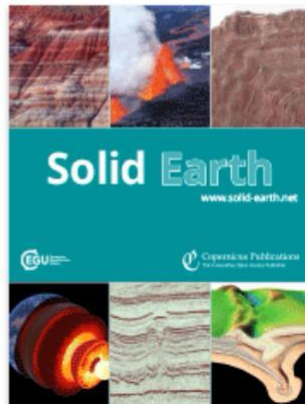


Solid Earth

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ARTICLE LEVEL METRICS

MODERATE ARTICLE PROCESSING CHARGES

FINANCIAL SUPPORT

Executive editors: CharLotte Krawczyk (chief executive editor), Susanne Buiter, Andrea Di Muro, Florian Füsseis, Kei Ogata & Arjen Stroeven

eISSN: SE 1869-9529, SED 1869-9537

Solid Earth (SE) is a not-for-profit journal that publishes multidisciplinary research on the composition, structure, and dynamics of the Earth from the surface to the deep interior at all spatial and temporal scales.

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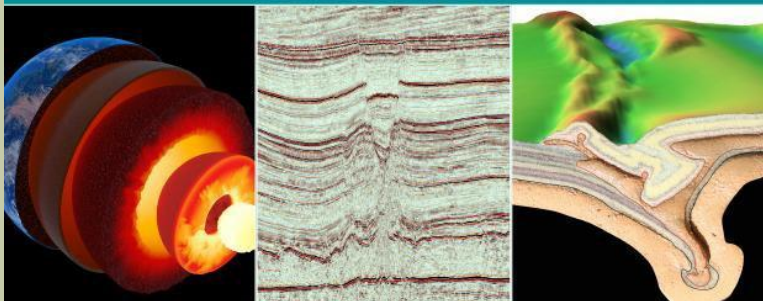
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Zahra Zali, author 2023
doi.org/10.5194/se-14-181-2023

Key Journal Metrics:

Papers published in 2024: 74

Number of countries where authors were based in 2024: **39**

Number of countries where editors were based in 2024: **18**



*The word cloud displayed was generated using all the titles of articles published by the journal in 2024.

Enter the journal through 4 thematic groups

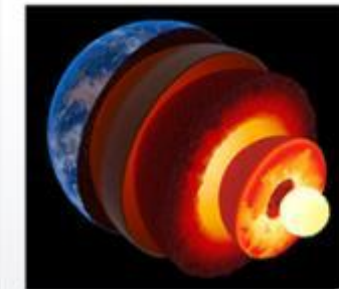
Tectonic plate interactions, magma
genesis, and lithosphere deforma-
tion at all scales



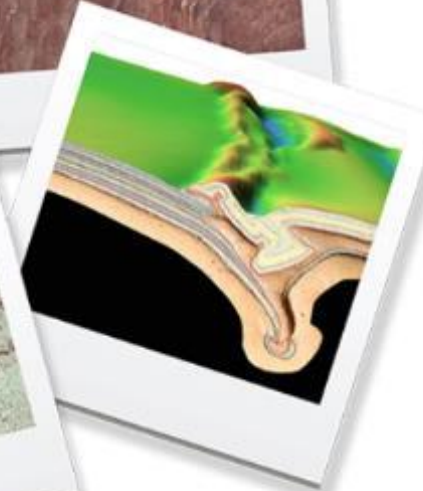
The evolving Earth
surface: erosional,
sedimentary, mor-
photectonic, and
volcanic processes



Core and mantle
structure and
dynamics



Crustal structure and
composition



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Crustal structure and composition

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- Geochemistry, mineralogy, petrology, and volcanology | Di Muro, Currenti, Lissenberg, Longo, and Pinel
- Seismics, seismology, paleoseismology, geoelectrics, and electromagnetics | Krawczyk, Bianchi, Currenti, Malinowski, Pilia, and Werban
- Stratigraphy, sedimentology, geomorphology, morphotectonics, and palaeontology | Stroeve, Gardin, Ogata, and Oliva
- Geodynamics, geodesy, gravity, and geomagnetism | Buiter, Aubert, Dannberg, Gerya, Gillet, Lewi, Manda, and McClusky

Recent papers

01 Apr 2025

[Passive seismic imaging of the Lower Palaeozoic in the Sudret area of Gotland, Sweden](#)

Zhihui Wang, Christopher Juhlin, Peter Hedin, Mikael Erlström, and Daniel Sopher

EGUsphere, <https://doi.org/10.5194/egusphere-2025-1325>, 2025

Preprint under review for SE (discussion: open, 0 comments)

► [Short summary](#)

26 Mar 2025

[Cross-scale strain analysis in the Afar rift \(East Africa\) from automatic fault mapping and geodesy](#)

Alessandro La Rosa, Pauline Gayrin, Sascha Brune, Carolina Pagli, Ameha A. Muluneh, Gianmaria Tortelli, and Derek Keir

EGUsphere, <https://doi.org/10.5194/egusphere-2025-1215>, 2025

<https://www.solid-earth.net/>

We welcome your submissions

Chief-executive editor

CharLotte Krawczyk

GFZ Helmholtz Centre for Geosciences
Germany



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Department of Physical Geography
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Manuscript registration

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Was your preprint posted before?

Solid Earth (SE) allows you to submit either original preprints for initial posting and discussion on EGUsphere, EGU's central preprint repository, or preprints that were already posted on a preprint server seeking public discussion on EGUsphere. In both cases, after the public discussion on EGUsphere, the handling editor decides on a possible final journal publication in SE. Please select from the options below.

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EGUsphere topic selection

Please select one or more topics matching your preprint.

Natural hazards

- ☐ General topics in natural hazards
- ☐ Hydro-meteorological hazards
- ☐ Volcanic hazards
- ☒ Landslide hazards
- ☐ Earthquake hazards
- ☐ Sea & ocean hazards
- ☐ Remote sensing & hazards
- ☐ Wildfire hazards
- ☐ Environmental, biological, & natech hazards
- ☐ Natural hazards & society
- ☐ Multi-hazards
- ☐ Interdisciplinary topics in natural hazards

Nonlinear processes in geosciences

Ocean sciences

Planetary & solar system sciences

Seismology

- ☐ General topics in seismology
- ☐ Seismic instrumentation and infrastructure
- ☐ Real-time and time dependent seismology
- ☐ Deformation, faulting, and earthquake processes (incl. seismotectonics, geodynamics, earthquake source physics)
- ☒ Seismic imaging across scales (from near-surface to global scale, incl. methodological developments)
- ☐ Crustal fluids & seismic activity (incl. induced & triggered seismicity, volcano seismology)
- ☐ Seismic hazard assessment (earthquake forecasting, engineering seismology, seismic, and/or multihazard probabilistic assessment)
- ☐ Computational, theoretical seismology and big data
- ☐ Interdisciplinary topics in seismology

Stratigraphy, sedimentology, & palaeontology

Manuscript specification

Companion paper(s):

or

Multiple manuscript numbers must be separated by commas.

Manuscript type

Research article

Journal subject areas & alert specification

First choice*

Subject area

[please select]

Editorial team

Please define

Second choice

Subject area

Editorial team

Please define

Referee suggestion *

You are strongly encouraged to suggest referees considering under-represented different career stages, with particular attention to the participation of Early Career Scientists.



SE celebrates its 15th anniversary in 2025 !



| [EGU.eu](https://egu.eu) | [EGU Journals](#) | [EGU Highlight Articles](#) | [Contact](#) | [Imprint](#) |

Let's have a drink on it !

- reception at this GA
- Thursday, 18 h
- coffee spot X3 (in front of room -2.21)



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Join a Science for Policy Session at EGU25!

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Find out how you can more effectively engage with policymakers and how your research can have policy impact.

Science for Policy sessions

Listed under the “Policy” category of the EGU25 Programme!

EGU25 Science for Policy Help Desk

12:00-13:00 CEST daily
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Comments?