





Welcome to the 2024 TS Division Meeting





CONFLICT

Arthur Holmes Medal Lecture Claudio Faccenna

Tue, 16 Apr, 12:45–13:45 (CEST) Room E1

Orogeny and mantle dynamics: Holmes (1931) revisited





Stephan Mueller Medal 2024: Yann Klinger





The 2024 Stephan Mueller Medal is awarded to Yann Klinger for his exceptional interdisciplinary contribution to the fields of seismology and palaeo-seismology, in particular, for his groundbreaking development of space seismology.







The Marie Tharp/Stephan Mueller Medal committee 2023-24

Chair: Mary Ford



Members:



2020: Mathilde Cannat



Dietmar Müller



2022: Francesca Funiciello



Ex-officio members: TS president Paola Vannucchi and chair of the EGU awards committee Thomas Blunier





The Marie Tharp/Stephan Mueller Medal **committee 2024-25**

Chair: Mary Ford



Members:



2022: Francesca Funiciello

2023: Richard G. Gordon



Yann Klinger

Ex-officio members: TS president Paola Vannucchi and chair of the EGU awards committee Thomas Blunier



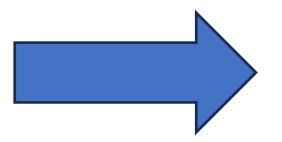


Early Career Scientist Award 2024

Not awarded.

One nomination.

The committee, after long discussion, decided that the nominee was not at the level required for the award.



Submit nomination for 2025!









Afonso Gomez (PhD Candidate – in 2023 – University of Lisbon)

2D numerical modelling of Tethyan-type ophiolite emplacement: The role of overriding plate age, serpentinization, and OCT width. (Gomes, A. S.; Rosas, F. M.; Duarte, J. C.; Riel, N.; Schellart, W. P.; Almeida, J.)



Caroline Haslebacher (PhD Candidate – in 2023 – University of Bern)

Mapping linear surface features on Europa using a deep learning framework (Haslebacher, C.; Thomas, N.)





TS Division OECSA committee 2024-2025 same as 2023-2024

Chair: TS president, Paola Vannucchi



Members: Last four awardees



2020:

Christoph von Hagke



2021:

Carolyn Boulton



2022: *******

Mojtaba Rajabi



2023:

Jessica McBeck



TS 2022-2023 officers



• <u>President</u>:

Paola Vannucchi



• <u>Deputy-president</u>: João C. Duarte



• Programme (Science) officers:



Derya Guerer



Christoph von Hagke



Anne Pluymakers



Pietro Sternai



Clare Bond

• <u>OSPP</u>:

Chiara Del Ventis ette



• ECS Representative:

Gino de Gelder



• Media:

Silvia Brizzi



■ <u>Blog</u>:

Hannah Davies





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• ECS Representative:

Sasha Zertani



• Media:

Silvia Brizzi



■ <u>Blog</u>:

Hannah Davies







Early Career Scientists TS team & activities



Who are the Early Career Scientists at EGU



1 Union-level ECS Rep: 2-4 yr (incl. secretary)

22 Division-level ECS Reps

200+ ECS Reps team members



UNION LEVEL REP



David Fernández-Blanco (Former TS Rep!)

TS DIVISION LEVEL REP



Gino de Gelder (lost in an Indonesian fieldwork but in Vienna in spirit)

The division level Rep:

- Reference for division teams
- Involved in a Working Group (WG)
 - Activities & Impact
 - Outreach & Communication
 - Life-Career Wellness
 - Equality, Diversity & Inclusion





@EGU_TS

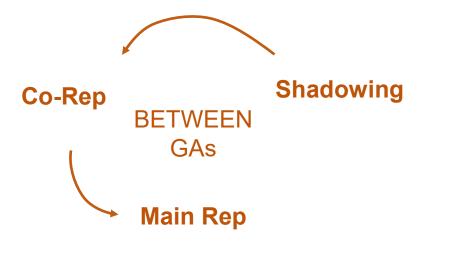




TS ECS Reps









UNION LEVEL REP

David Fernández-Blanco







Gino de Gelder



Sascha Zertani







Early Career Scientists TS Team



BLOGS

Hannah Davies Lead Blog editor



Samuele Papeschi; Filippo -Read team...

Silvia Brizzi Lead Media manager



MEDIA

Arnab Roy; Frank Zwaan; Thorben Schofisch; Alessandro Petroccia





blogs.egu.eu/divisions/ts

Features from the field Must-read papers Geotandem Geomythology

2021-2022: 29 blogposts (end of virtual COVID era...) 2022-2023: 10 blogposts 2023-2024: 10 blogposts

BLOG EDITORS VERY WELCOME!













Monday ECS post Tectonic modeling Tuesday Friday jobs Must-read comm

ACTIVITIES

Representatives (Gino, Sascha, Riccardo) Lead Activity managers



David Fernández-Blanco; Gianluca setto; Patricia Cadenas; Armin la Akintomide; Adriana Guatameetri; Marta Marchegiano...

NEW MEMBERS/IDEAS VERY WELCOME!

TS Must-Read papers, short courses, & more...



@EGU TS















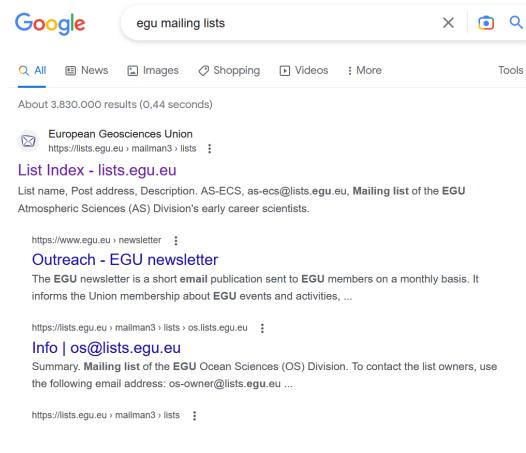


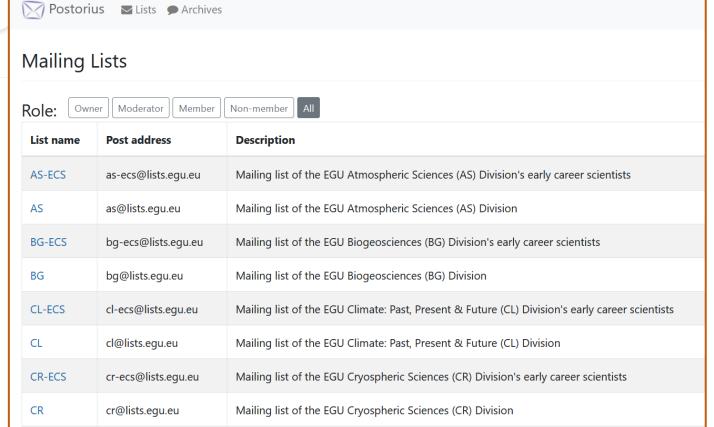




How to stay informed









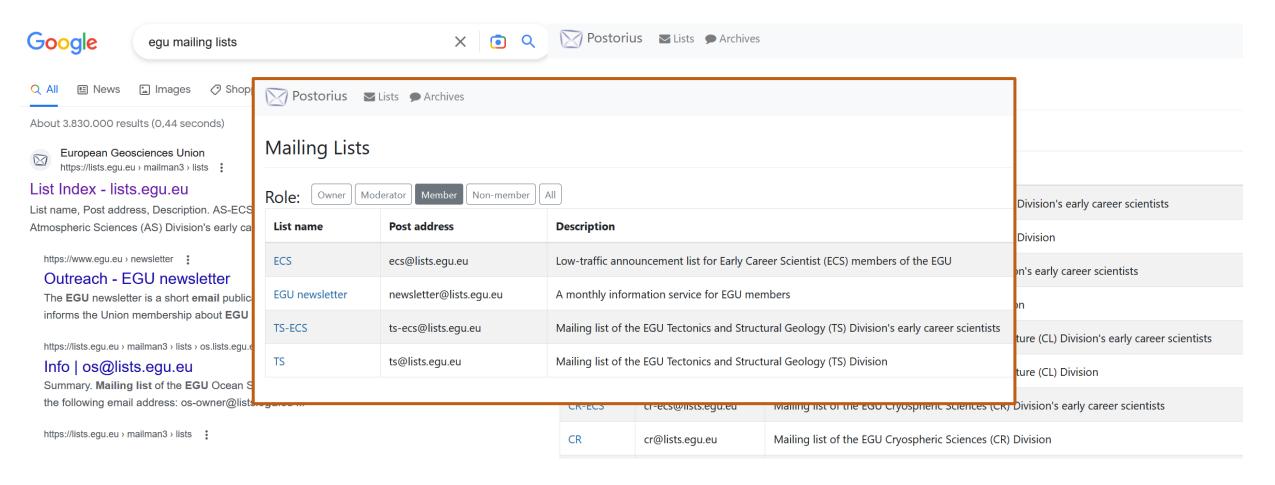






How to stay informed













JOIN THE ECS TS TEAM!

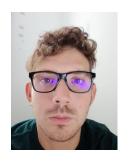






































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search: TSdivision



@EGU_TS







EGU25 GA in Vienna

27 April-2 May

Thank you and enjoy the meeting!





Please find a moment to select and nominate colleagues for the TS medals and for the OECS award!

Due date is 15th of June

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



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	1 page	½ page
Curriculum Vitae	2 pages	1 page
Selected bibliography	2 pages	½ page
Supporting letters	3-5 (maximum 1 page each)	-





TS Division Medals:

Experienced Scientists:

The Stephan Mueller Medal

Outstanding contributions to the discovery of the structure of the lithosphere and interdisciplinary approaches to the understanding of plate tectonics.

The Marie Tharp Medal

Outstanding contributions to the discovery of the structure of the ocean floors and plate tectonic processes.









The General Assembly organization

EGU Structural Geology

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 COMMITTE
CO-CHAIR

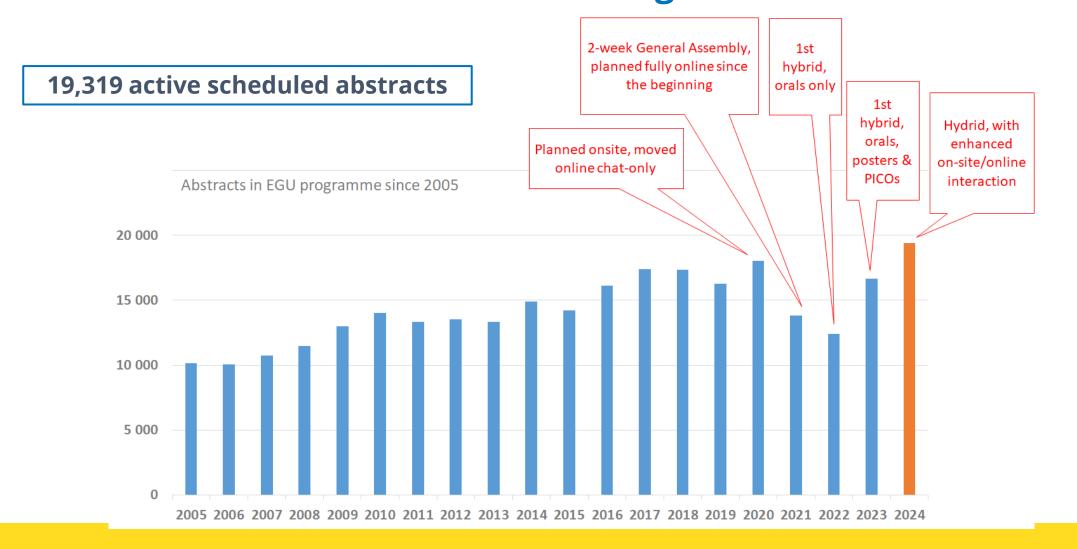


Jane Roussak EVENTS MANAGER





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









EGU23 main entrance Photo credit: Pfluegl 2023

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

Compare with statistics of previous GAs: https://www.egu.eu/meetings/general-assembly/meetings/

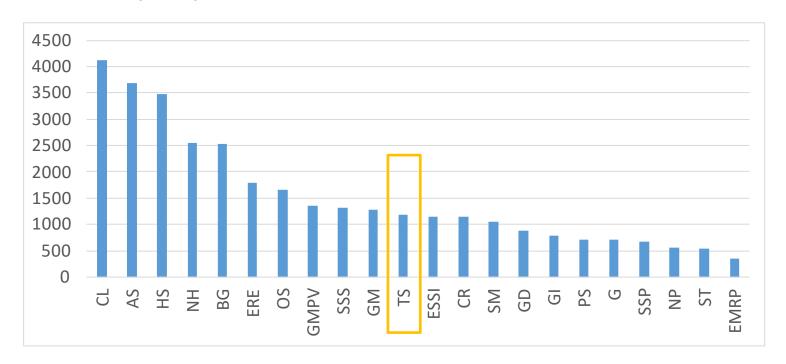




EGU24: numbers at a glance (as of 4 April 2024)

EGU Division/PG affiliation of paid registrations

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







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

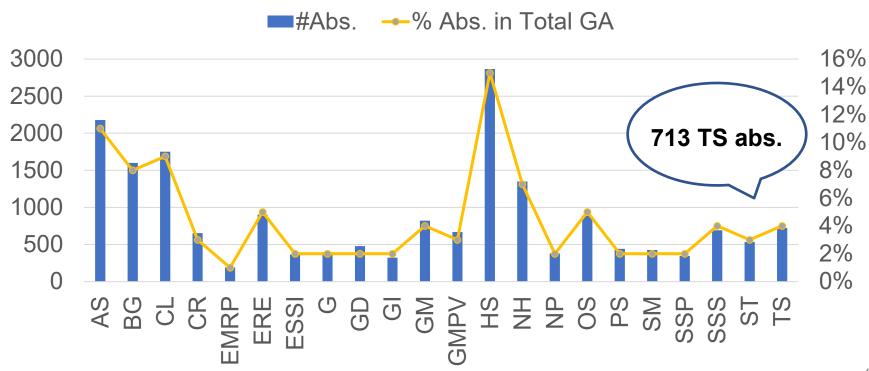
More on: https://www.egu24.eu/





EGU24: numbers at a glance

Abstracts per Programme Group (PG)







TS Division within EGU

Vienna, Austria & Online 23-28 April 2023

	Members	ECS
EGU	16,465 Abs	9,326 (57%)
TS Division	580 Abs	336 (58%)

Vienna, Austria & Online 14-19 April 2024

	Members	ECS
EGU	19,573 Abs	10,820 (55%)
TS Division	713 Abs	395 (55%)



23% increase from last year





Some TS Program abstract statistics

	2024	2023	2022	2021	2019
Abstracts TS-led sessions	713 (in 23 Sessions) 395 by ECS – 55%	580 (in 24 Sessions) 333 by ECS – 57%	446 (in 23 sessions) 279 by ECS – 67%	795	750
Abstracts including co-organized sessions	998 (in XX sessions) 15 abstracts withdrawn	1321 (in 53 sessions) 18 abstracts withdrawn	1092 (in 53 sessions) 39 abstracts withdrawn	1461	1543
Total abstracts	19,573	16,461	12,507	18,052	
TS contribution to the GA programme	3.6% (5% with co-org)	3.5% (8% with co-org)	3.6% (8.7% with co-org)	4.4% (8.1% with co-org)	







	Members	ECS
EGU	19,573 Abs	10,820 (55%)
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23% increase from last year

In 2023 one session could have an oral slot with 21 abstracts (average) In 2024 one session could have an oral slot with 28 abstracts (average)





How do we build the program?

Bottom-up – your input is extremely important!

- 'Skeleton'-program: June
- Open call-for-sessions: June to September
- First session program (October)
- Call-for-abstracts
- Session merges... (January)
- Final session program (February)



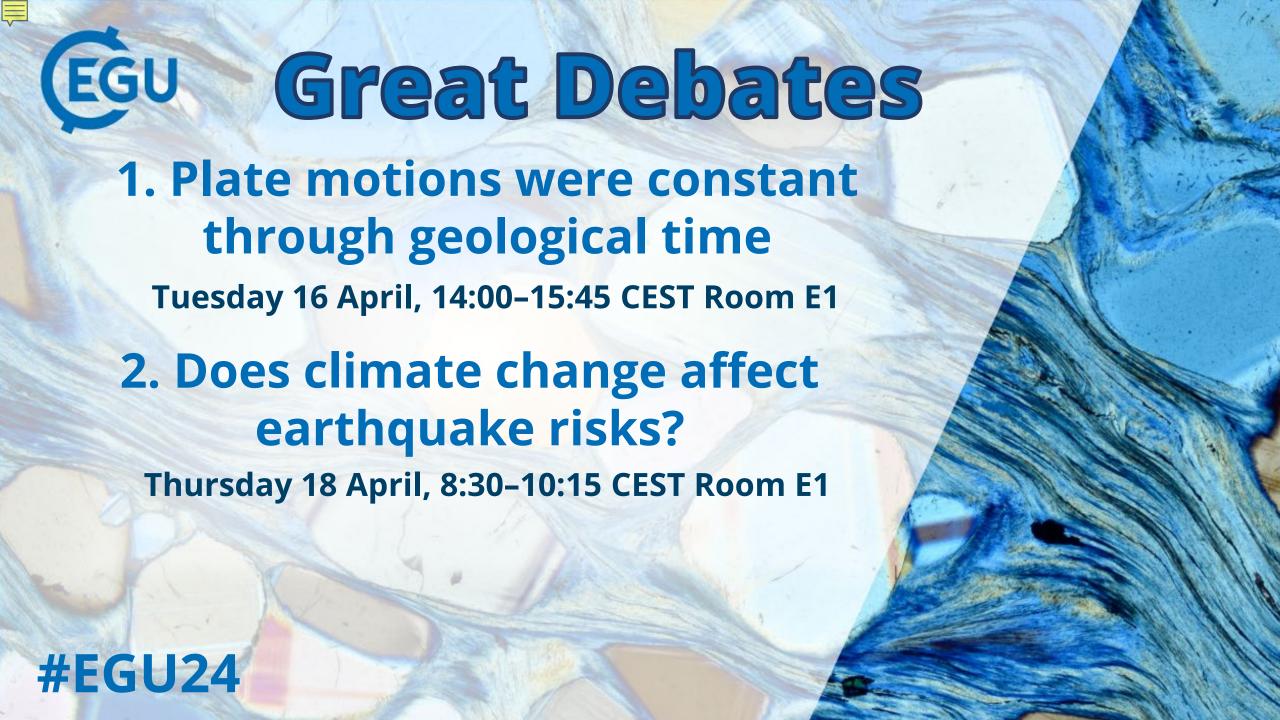


How do we build the program?

Please consider that it is VERY (!!) easy to propose a session...but it implies possible later session merges...

Check what has already been proposed before proposing new sessions.

And...the GA is 5 days long from 08.30 on Monday to 19.00 on Friday. Sessions on Monday morning or Friday afternoon are not punishments, just part of the official program!



Open Access Publications

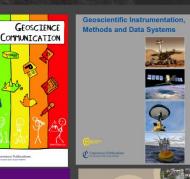


- Open Access Journals
- Interactive Public Peer Review



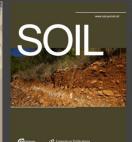




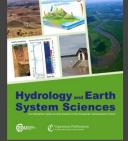
























Solid Earth



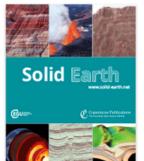


Solid Earth

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INTERACTIVE PUBLIC PEER REVIEW





Executive editors: CharLotte Krawczyk (chief executive editor), Susanne Buiter, Andrea Di Muro, Federico Rossetti & 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.

Clarivate JIF 3.4

Clarivate JIF 5-year 3.6

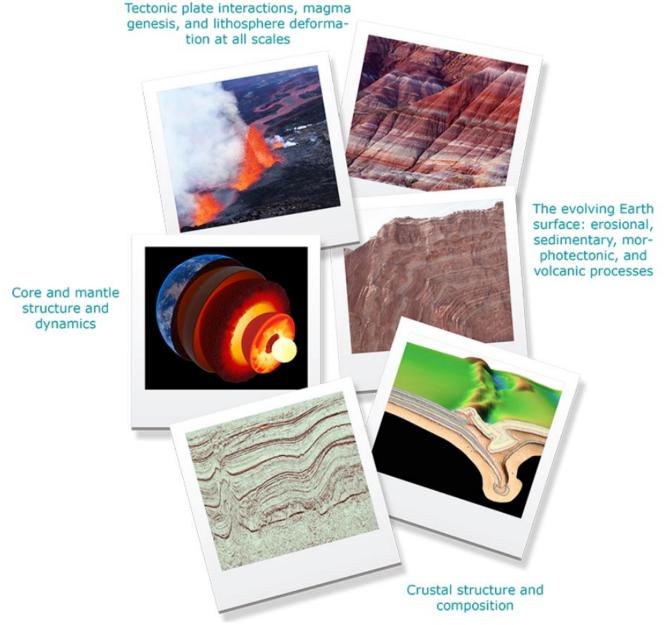
Scopus^{*} CiteScore 6.5

Google h5-index 34

open access as basic principle preprints for interactive

discussion

Enter the journal through 4 thematic groups





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Solid Earth

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Tectonic plate interactions Home / Tectonic plate interactions Search

Relevant editorial teams:

- Geodynamics, geodesy, gravity, and geomagnetism | Buiter, Aubert, Dannberg, Gerya, Gillet, Lewi, Mandea, and McClusky
- Geochemistry, mineralogy, petrology, and volcanology | Di Muro, Gottsmann, Lissenberg, Longo, Pinel, and Rey
- Seismics, seismology, paleoseismology, geoelectrics, and electromagnetics | Krawczyk, Beghein, Bianchi, Malinowski, Nissen-Meyer, Pilia, and Werban
- Stratigraphy, sedimentology, geomorphology, morphotectonics, and palaeontology | Stroeven, Gardin, Healy, Ogata, and Oliva
- Structural geology and tectonics, paleoseismology, rock physics, experimental deformation | Rossetti, Chu, Fusseis, Healy, Tavani, and Toy

Recent papers

05 Apr 2024

Extensional fault geometry and evolution within rifted margin hyper-extended continental crust leading to mantle exhumation and allochthon formation

Júlia Gómez-Romeu and Nick Kusznir

Solid Earth, 15, 477-492, https://doi.org/10.5194/se-15-477-2024, 2024

▶ Short summary

03 Apr 2024

Lahar events in the last 2000 years from Vesuvius eruptions – Part 2: Formulation and validation of a computational model based on a shallow layer approach

Mattia de' Michieli Vitturi, Antonio Costa, Mauro A. Di Vito, Laura Sandri, and Domenico M. Doronzo Solid Earth, 15, 437–458, https://doi.org/10.5194/se-15-437-2024, 2024

▶ Short summary







We welcome your submissions



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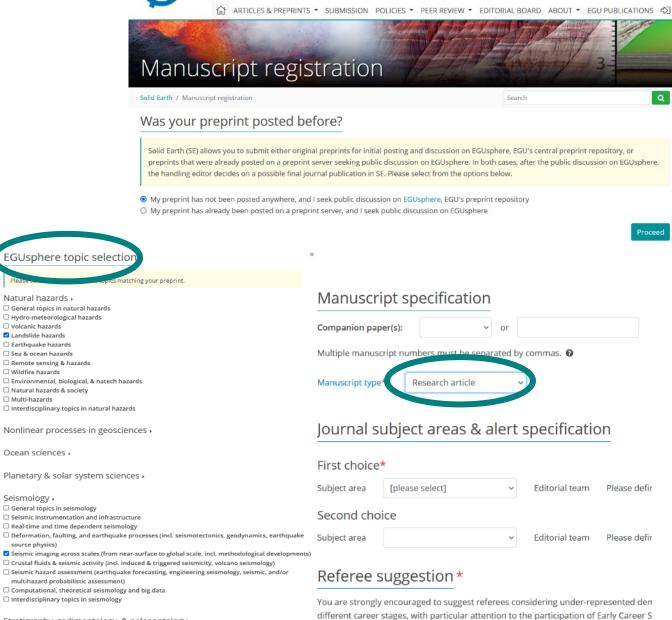












Stratigraphy, sedimentology, & palaeontology >

Natural hazards > General topics in natural hazards ☐ Hydro-meteorological hazards

☐ Volcanic hazards

Landslide hazards

☐ Earthquake hazards

☐ Wildfire hazards

☐ Sea & ocean hazards

Ocean sciences >

Seismology > ☐ General topics in seismology

☐ Remote sensing & hazards

☐ Natural hazards & society ☐ Multi-hazards







EGU25 GA in Vienna

27 April-2 May

Thank you and enjoy the meeting!