

ENERGY, RESOURCES AND THE ENVIRONMENT (ERE)

Division Meeting, 16.04.2024

Viktor J. Bruckman & the ERE team



Energy, Resources
& the Environment

Division



Meetings | Publications | Outreach | www.egu.eu



Sonja Martens
Vice President



Viktor J. Bruckman
President



Ana Teresa M. Lima
Policy



Sarah Weihmann
OSPP Coordinator



Michael Kühn
Publications



Johannes Mionic
Outreach



Giorgia Stasi
ECS REP

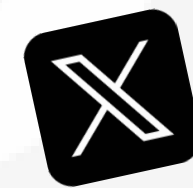
ERE in a nutshell

- **ERE** builds on the **interdisciplinary geoscientists community** at EGU, representing various disciplines of the earth, planetary and space sciences.
- ERE addresses **challenges** of the present and future:
- Provide adequate and reliable supplies of affordable **energy and geo-resources**,
- obtained in **environmentally sustainable** ways,
- to promote **economic prosperity, environmental quality** and **political stability** around the world.



How do we serve the community?

- **Organization** – Plan/run the ERE sessions for the General Assembly
- **Publications** – Organize our annual ERE special issue
- **Information** – Run the ERE mailing lists, website and X
- **Awards** – Organizing ECS and OSPP Awards
- **Networking** – Bring together ERE early career scientists, building bridges across disciplines



https://twitter.com/ERE_EGU

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

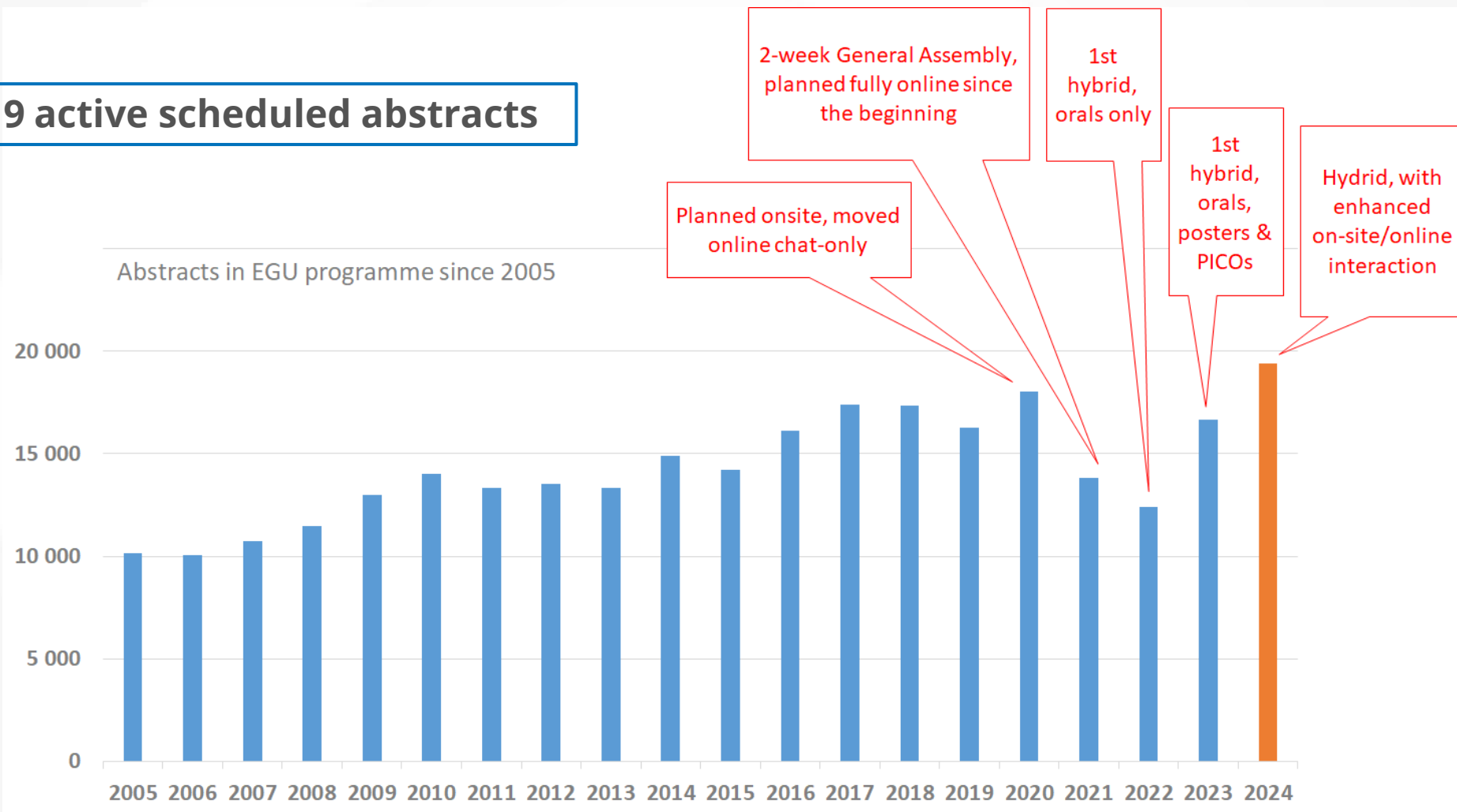


EGU23 main entrance

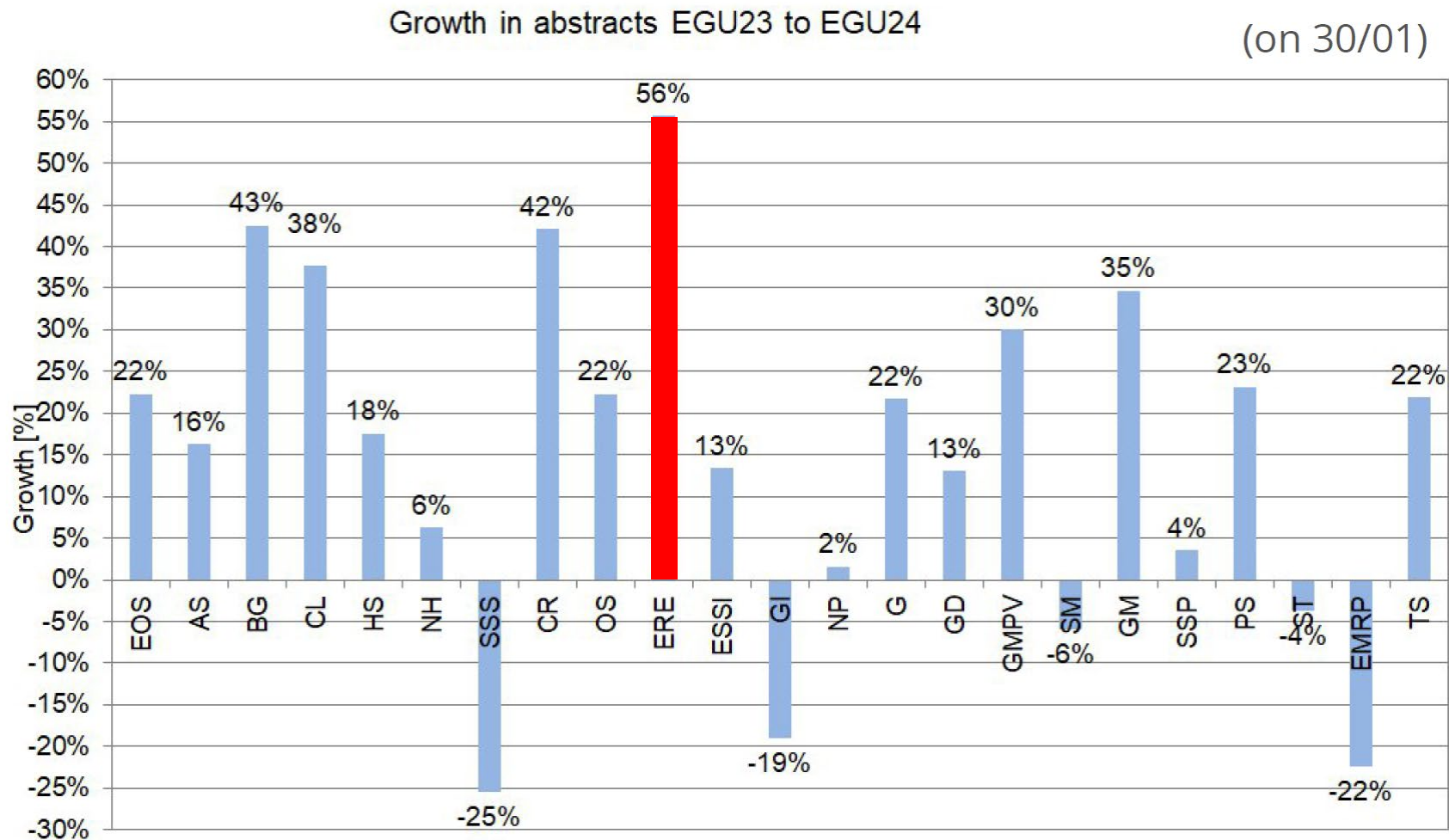
Photo credit: Pfluegl 2023

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

19,319 active scheduled abstracts



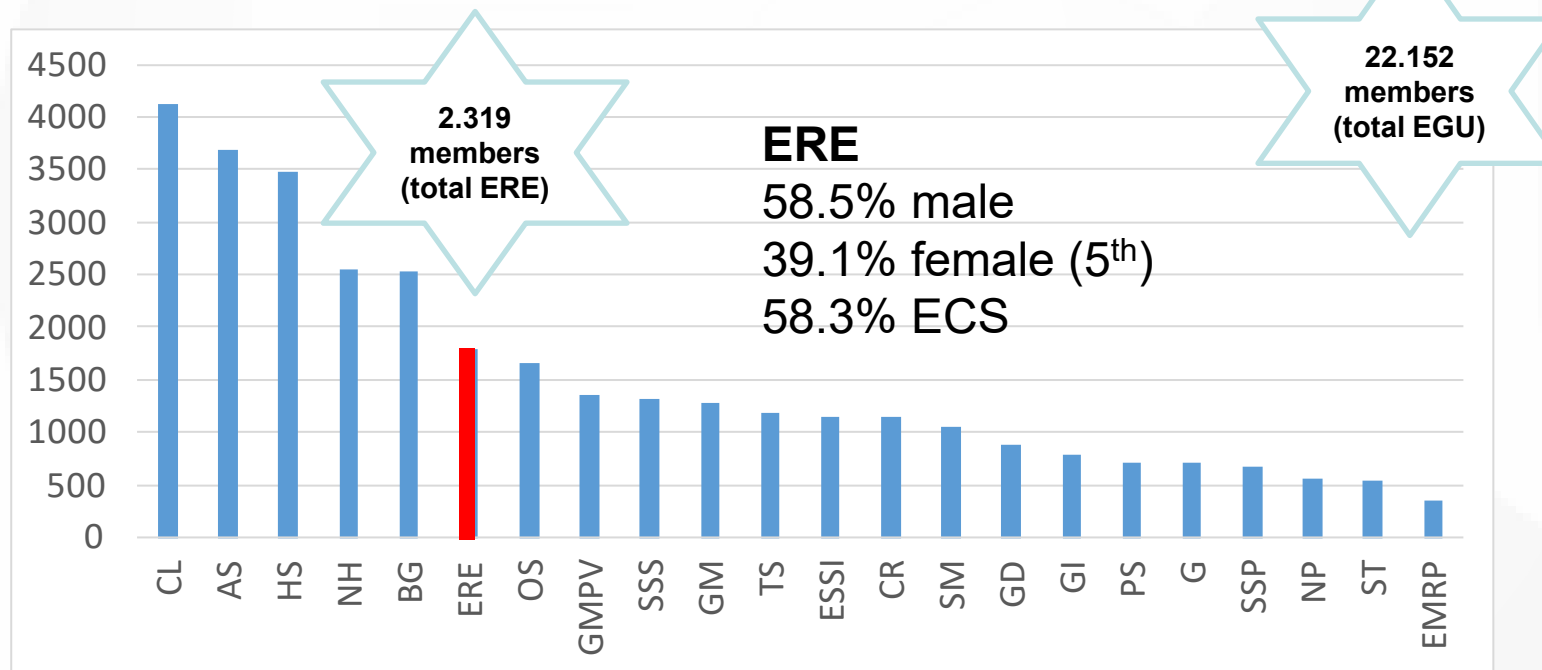
Division growth



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)



ERE Scientific Program 2024

- ERE 1 – Integrated Studies (**8/6**)
- ERE 2 – Renewable Energy (**8/3**)
- ERE 3 – Geo-storage (**5/0**)
- ERE 4 – Raw materials and resources (**7/1**)
- ERE 5 – Process coupling and monitoring (**6/3**)
- ERE 6 – Inter- and Transdisciplinary sessions related to ERE (**5/0**)



Summary

39 sessions lead (2023: 23), **13** sessions (co-organized)

<https://meetingorganizer.copernicus.org/EGU24/sessionprogramme/ERE>

Session scheduling - behind the scenes

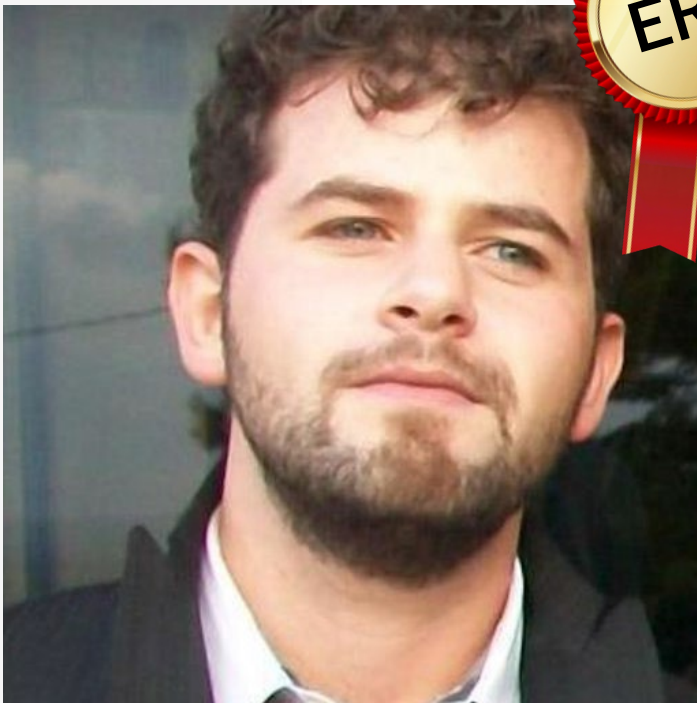
- How do sessions get their rooms and time slot(s)?
- What are the constraints, and challenges, and how do we address them?

Session scheduling - behind the scenes

- Negotiations with three other divisions
- No overlap between oral and poster sessions
- Orals in TB3: Poster session on another day, if there are virtual posters
- No-overlap requests
- Back-to-Back requests
- Day avoidance requests
- Room size requests (data on previous occupancy, number of abstracts)
- Individual time conflicts (handled on individual case basis)

Apologies if we can't consider ALL requests! (issues are noted)





Division Outstanding Early Career Scientist Award

The 2024 Division Outstanding Early Career Scientist Award is awarded to

Roberto Emanuele RIZZO

for outstanding research in the field of rock fractures and associated community service.

**AWARD LECTURE: Tomorrow, 14:30–15:15,
Room K2 (PURPLE LEVEL)**

Outstanding Student and PhD candidate Presentation (OSPP) Award



The 2023 ERE OSPP Award goes to

Kai Bröker

Slip tendency and reactivation pressure
prediction of natural fractures at the
Bedretto Underground Laboratory,
Switzerland

Outstanding Student and PhD candidate Presentation (OSPP) Award



The 2023 ERE OSPP Award goes to

Philip Salter

Exploiting induced carbonate precipitation to improve reservoir storage integrity and geothermal system efficiency

CONGRATULATIONS NEW ERE President (2025-2027!)



Giorgia Stasi

enrolled in a PhD program in Applied Geophysics at the University of Liège, Belgium
Geologist at the Geological Survey of Belgium (specialized in Ore Geology and Geochemistry)

- Outgoing ECS Representative
- Incoming ERE Division President
- First ECS Division President of the Union

EGU Early Career Scientists ECS

Who we are

Early career scientists (ECS) are students and scientists in the Earth, planetary and space sciences who received their highest degree within the past seven years.

What we do

- Working Groups
- Communication and outreach
- Webinars and training
- Networking events
- Science-policy activities

ERE Early Career Scientists ECS

- Team:



Giorgia Stasi
Outgoing
ECS Representative



Rotman Criollo
Incoming
ECS Representative



Thanushika Gunatilake
Incoming
ECS Co-Representative

Are you interested in being more involved in EGU activities?

Join our team ! 😊

For more info: ecs-ere@egu.eu



- Slack Channel:** 19 members
- Social Media:** Twitter @ERE_EGU, coordinated by Outreach Officer
LinkedIn @ere-egu

ERE Division Officers (since 04/2023)

- President / PG Chair: **Viktor J. Bruckman**
- Deputy President: **Sonja Martens**
- Division Officers
 - **Michael Kühn** (publications)
 - **Ana Teresa Maçãs Lima** (policy)
 - **Giorgia Stasi** (ECS representative)
 - **Sarah Weihmann** (OSPP coordinator)
 - **Johannes Miocic** (outreach)



V.J. Bruckman



S. Martens



M. Kühn



A.T.M. Lima



G. Stasi



S. Weihmann



J. Miocic

- President / PG Chair: **Viktor J. Bruckman (elected)**
- Deputy President: **Giorgia Stasi (elected)**
- Division Officers
 - **Michael Kühn** (publications & ERE 4/Raw materials and resources & ERE 5 /process coupling and monitoring SPG chair)
 - **Ana Teresa Maçãs Lima** (policy)
 - **Sonja Martens** (ERE 2/Renewable Energy SPG chair)
 - **Sarah Weihmann** (OSPP coordinator)
 - **Johannes Miocic** (outreach, ERE 3/Geo-storage SPG chair)
 - **Rotman Criollo** (ECS Representative)
 - **Thanushika Gunatilake** (ECS co-Representative)



V.J. Bruckman



G. Stasi



S. Martens



M. Kühn



A.T.M. Lima



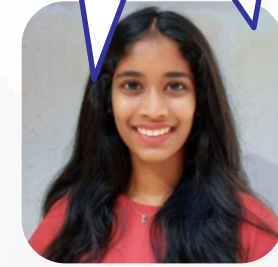
S. Weihmann



J. Miocic



R. Criollo



T. Gunatilake

- **Our activities:**
 - Participation to the Working Groups
 - Networking events
 - Short Courses during the GA
 - Fieldwork-related activities (webinars)



NET4

ECS NETWORKING RECEPTION

Tue, 16 Apr, 18:00-19:30

Location: Rooftop Foyer



ERE ECS networking lunch

Wed, 17 Apr, 13:00-14:00

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



Having a connected community of ERE ECS

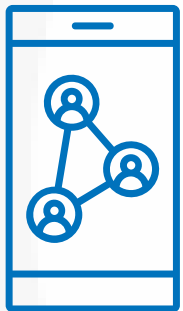
Early Career Scientists | ecs-ere@egu.eu

EGU Early Career Scientists ECS



Visit us at the EGU Booth
Exhibition Hall X2
Purple Level -2 (basement)

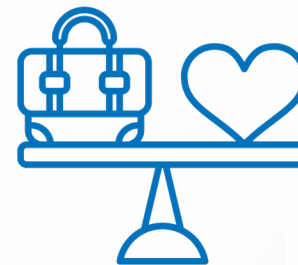
Working Groups | What are they and what do they do?



Outreach & Communication



Activities & Impact



Life-Career Wellness



Equality, Diversity and Inclusion

EGU SCAVANGER HUNT @ NHM Vienna

Wed, 17 Apr, 9:00-11:00

Natural History Museum Vienna



ERE Conveners – Division Dinner

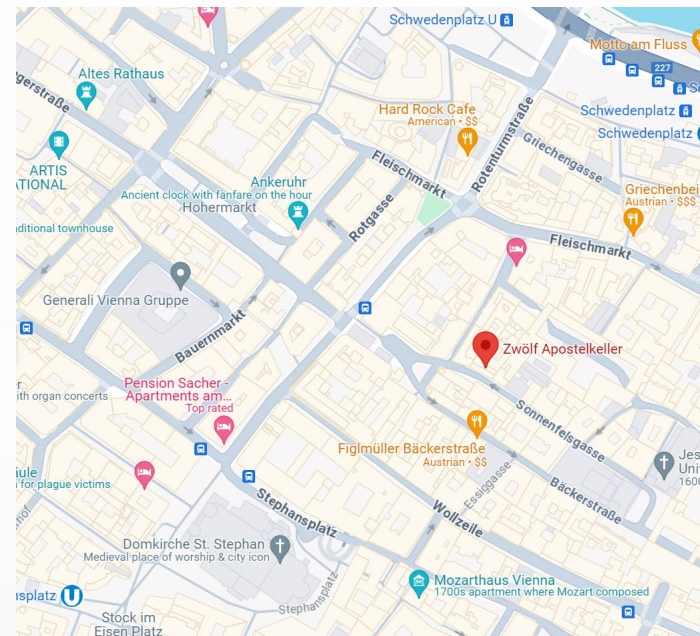


WHERE "12 Apostelkeller" restaurant
WHEN Wednesday 17/04 at 19:30
LOCATION [Sonnenfelsgasse 3, 1010 Wien](#)



To register

Limited places!
First come, first served basis!



Heurigen Buffet per person € 31,90 (incl.)

*Different kinds Viennese spreads (Liptauer, egg, herbs, greave dripping)
Home-made brown bread and fresh pastry*

Vegetable strudel with herb gravy

Breaded schnitzel

Roasted chicken wings

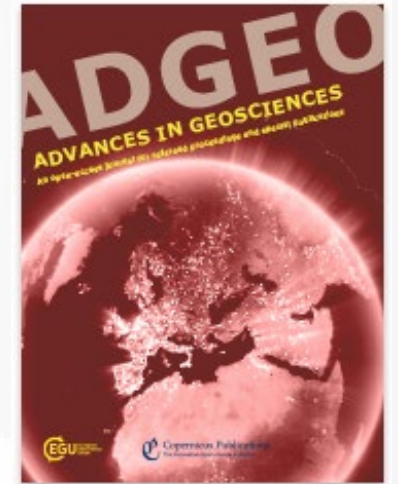
Smoked pork

with dumplings and rice

hot cabbage salad with bacon pieces, potato salad, lettuce salad

Pancakes filled with apricot jam

- **Join the ERE special issue 2024 in Advances in Geosciences (ADGEO)** (https://www.advances-in-geosciences.net/about/scheduled_proceedings.html).
- If you submitted an abstract to an ERE session or a co-organized one for the GA 2024, you are welcome to contribute with a publication.
- Your manuscript needs to be directly linked to your EGU abstract (please add your abstract number when submitting).
- **Guidelines for preparations and templates** are available on the ADGEO website: <https://www.advances-in-geosciences.net/submission.html>
- Manuscripts need to be 4 pages long and should target around 10 pages.
- **Publication fees** depend on your home institution and are ca. 36 €/page.
- **Submissions** are possible from 20 April **until 30 June 2024**. (https://www.advances-in-geosciences.net/about/scheduled_proceedings.html)
- Reviews are done by ERE officers, conveners and authors of the GA 2024.
- If you submit a manuscript, we expect you to take part in the reviewing process. So we might ask you to do up to two reviews.
- **Questions?** Please contact: Michael Kühn (adgeo.ere.egu@gfz-potsdam.de)



Open Access Publications



- Open Access Journals
- Interactive Public Peer Review



www.egu.eu/publications

ERE Policy activities (Ana Teresa Maças Lima)

EGU



Join a Science for Policy Session at EGU24!

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

EGU's Science for Policy Help Desk
Every day, 12:00-13:00 at the EGU booth

See the full EGU24 Science for Policy Programme





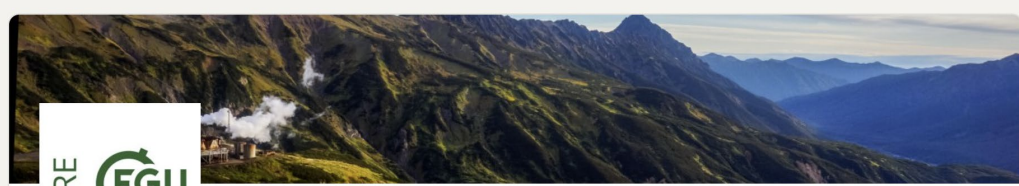
Subscribe to the EGU's Science for Policy Newsletter!

Monthly updates on:

- EGU's #Sci4Pol activities
- Opportunities to engage with policymakers
- Science-policy events and workshops
- Geoscience-relevant policy news



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Energy, Resources and the Environment (ERE) Division of the European Geosciences Union
Non-profit Organizations · 57 followers · 2-10 employees

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About

The EGU brings together geoscientists from all over Europe and the rest of the world, covering all disciplines of the Earth, planetary and space sciences. This geoscientific interdisciplinarity is needed to tackle the challenges of the future. A major challenge for humankind is to provide adequate an ... see more

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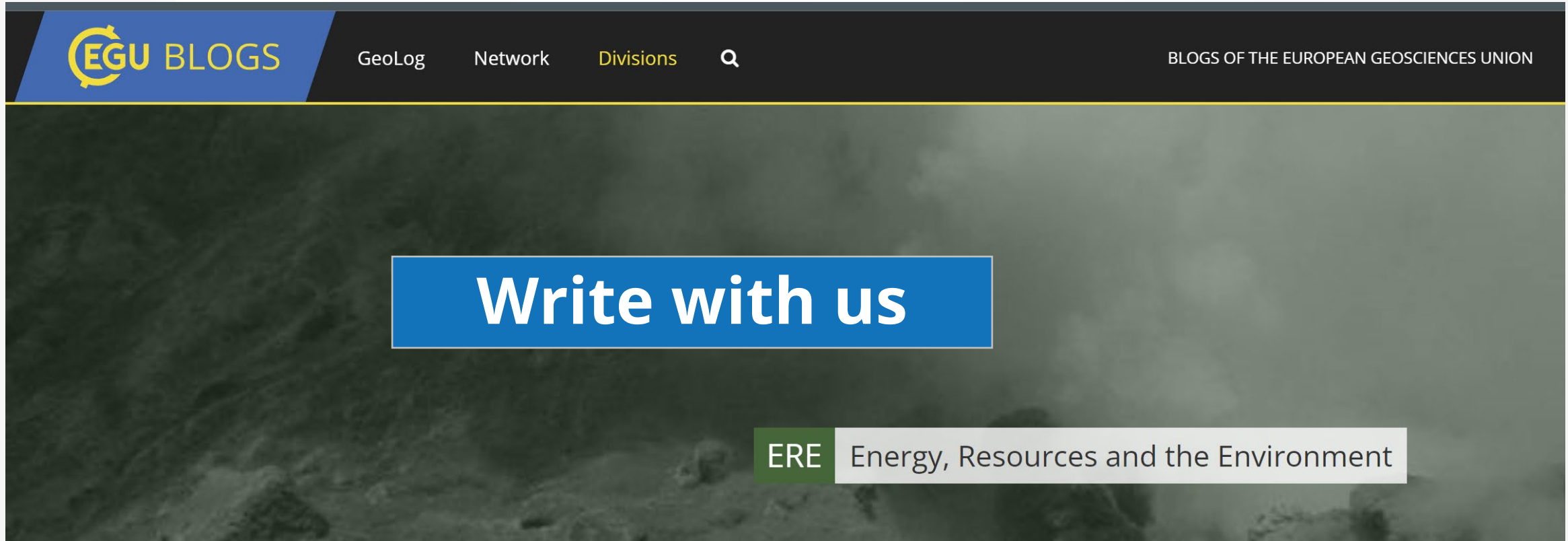
@ERE_EGU

Energy, Resources and the Environment (ERE) Division of the European Geosciences Union

📍 Europe 📅 Joined April 2016

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OSPP (Report Sarah Weihmann)

EGU

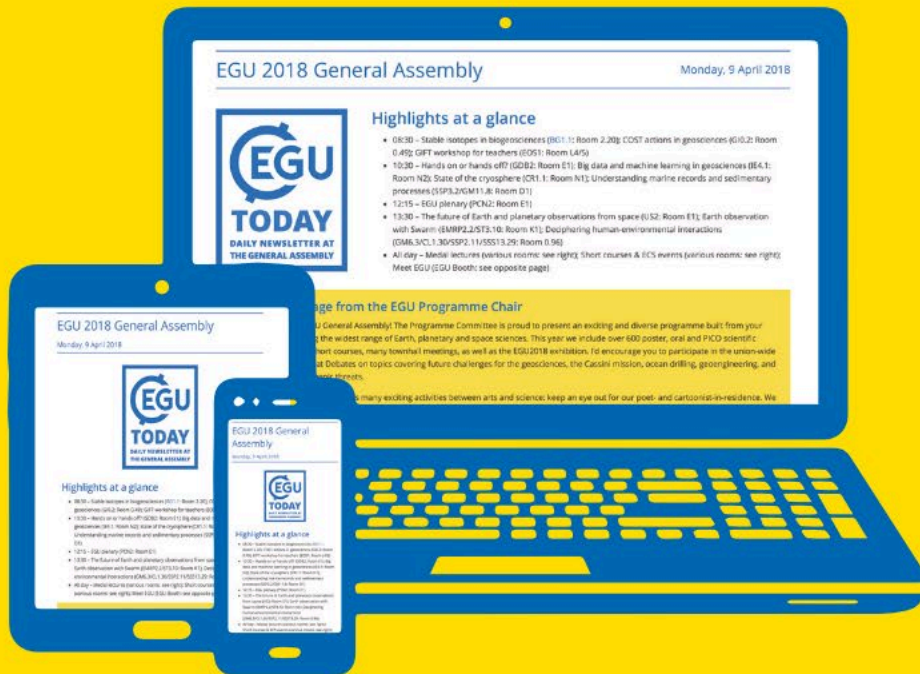


The Daily Newsletter at the General Assembly

EGU TODAY IS NOW DIGITAL!



www.egu.eu | info@egu.eu



All issues of the newsletter
will be made available at

www.egu.eu/egutoday/

through the conference app
and on screens inside the ACV.

The EGU Topical Events Committee announces the call for Training School applications: 6 May - 17 June, 2024



Photo credit: [V. De Micco, 2024](#)

The EGU provides [financial support](#) to training school organisers in order to facilitate participation of early career scientists and/or to support the quality of the school through field trips or by inviting exceptional lecturers.

Learn more at
www.egu.eu/meetings/training-schools



Did you know the EGU has a monthly newsletter?



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The email newsletter
informs EGU members about

- EGU NEWS AND BLOGS
- GENERAL ASSEMBLY UPDATES
- HIGHLIGHTS FROM EGU JOURNALS
- JOBS AND MEETINGS

and much more!



www.egu.eu/newsletter



A scenic landscape featuring a waterfall cascading over rocks into a pool, with a yellow speech bubble overlaid in the center. The background shows a wide, flat landscape under a blue sky with distant mountains.

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Feedback!**

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