

# Atmospheric Sciences (AS) 2025 Division Meeting

European Geosciences Union

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Philip Stier (President), Athanasios Nenes (Deputy President)

EGU25 General Assembly, Vienna and online | 27 April – 2 May 2025



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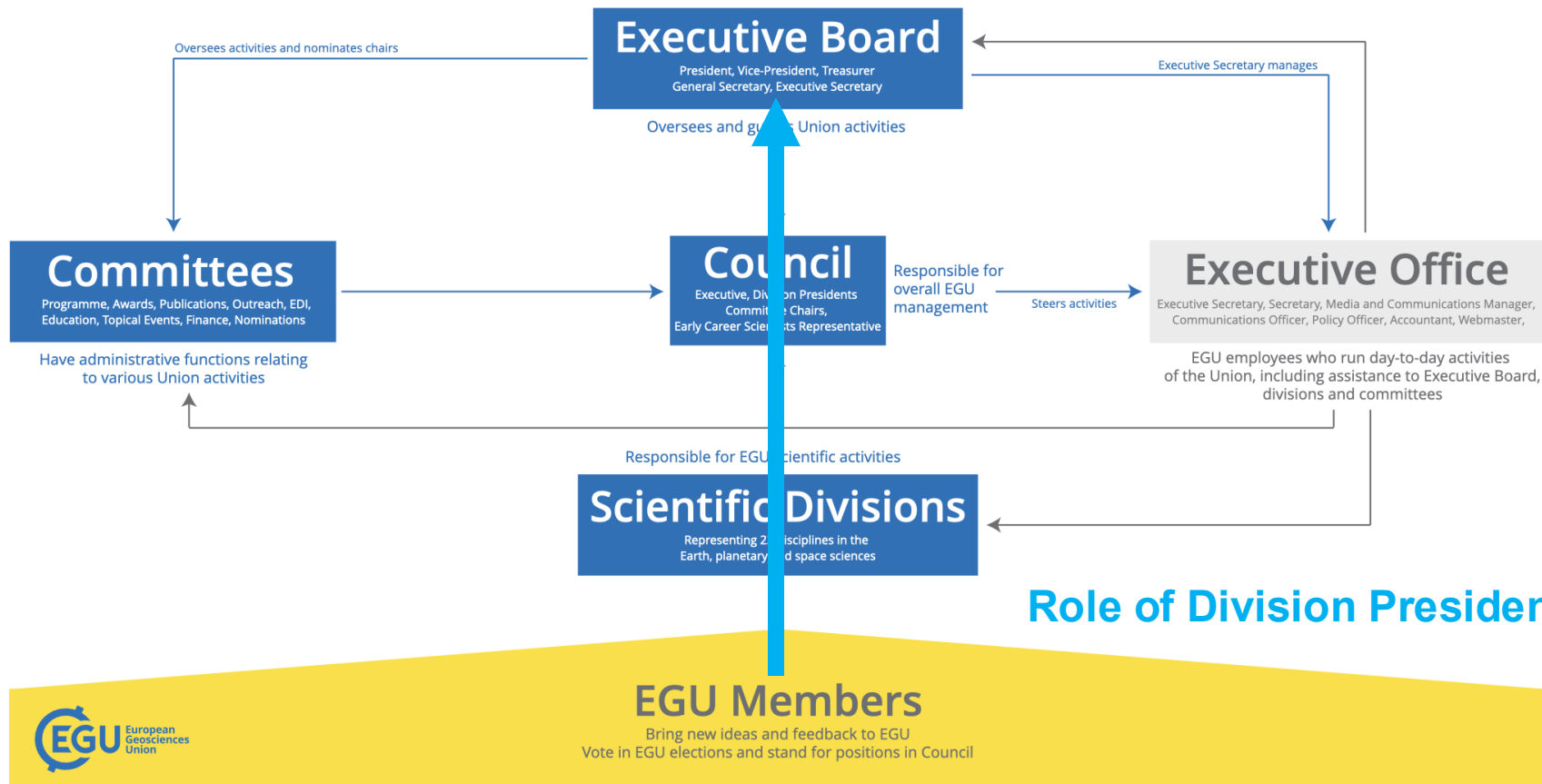
Meetings | Publications | Outreach | [www.egu.eu](http://www.egu.eu)

## **Agenda**

- The Atmospheric Science Division
- EGU GA 2025: Abstracts, sessions, and registration numbers
- Awards and Medals
- OSPP Awards
- EGU Journal Awards
- Early-Career Scientists: Leadership, Activities and Events
- EGU Opportunites: Meeting & Special Activities Fund
- Feedback, Questions & Suggestions

## EGU Divisions

The **EGU** is a **bottom-up organisation** structured in scientific divisions, committees, and a council.



## Atmospheric Science Division

**President**

Philip Stier

**Deputy President**

Athanasios Nenes

**Science Officers**

*Meteorology:* Rune Grand Graversen

*Atmospheric Chemistry & Aerosols:* Hinrich Grothe

*Boundary Layer Processes:* Jordi Vila

**Policy Officer**

?

**Awards & Medals**

Hugh Coe (Chair)

**OSPP Coordinator**

Matthias Tesche & Roland Schrödner

**Outreach & Education**

?

**Division Liaison**

Yafang Cheng

**Blog**

Roxana Cremer

**Social media**

?

**ECS Representatives**

Robert Maiwald & Mozhgan Amiramjadi



## Atmospheric Science Division – Looking Forward

**President**

[Philip Stier](#)

**Deputy President**

[Athanasios Nenes](#)

**Science Officers**

*Meteorology:* [Rune Grand Graversen](#)

*Atmospheric Chemistry & Aerosols:* [Hinrich Grothe](#)

*Boundary Layer Processes:* [Jordi Vila](#)

**Policy Officer**

[Marya el Malki](#)

**Awards & Medals**

Hugh Coe (Chair)

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**Outreach & Education**

[?](#)

**Division Liaison**

Yafang Cheng

**Blog**

Roxana Cremer

**Social media**

[?](#)

**ECS Representative**

Robert Maiwald

## Atmospheric Science Division – Open positions

### **Autumn elections for the next Atmospheric Sciences division president:**

- Self nominations opening soon!

### **Atmospheric science division officers:**

- Please get in touch if you are interested ([as@egu.eu](mailto:as@egu.eu))!

### **Outreach/education & social media:**

- Please get in touch if you are interested ([as@egu.eu](mailto:as@egu.eu))!

## **Atmospheric Science Division Medal Committee**

- Hugh Coe (Chair, University of Manchester)
- Ulrike Lohmann (ETH Zürich)
- Corinna Hoose (Karlsruhe Institute of Technology)
- Marco Stolzenburg (TU Wien)

## EGU25: numbers at a glance

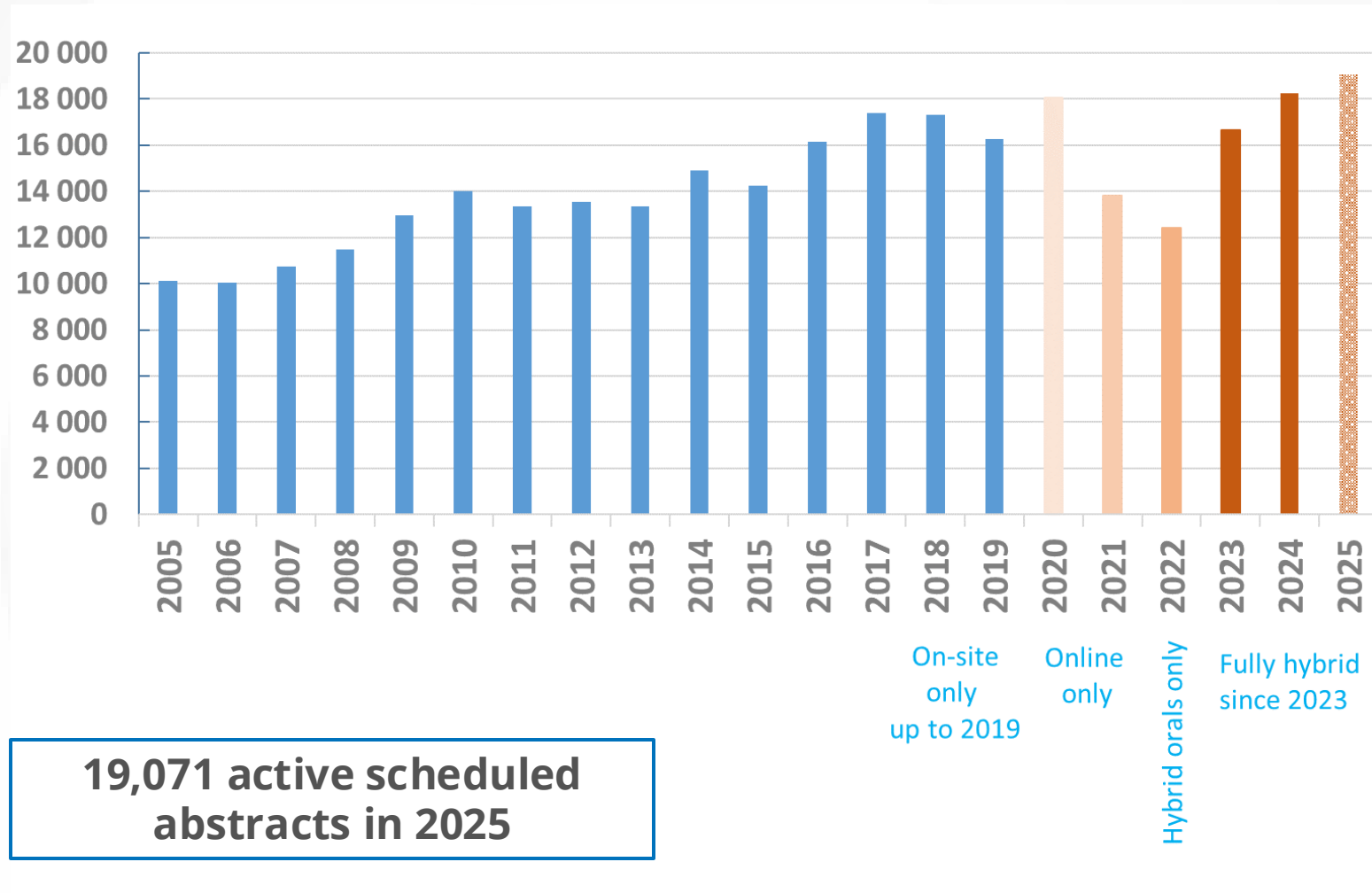
- **1,103 active sessions** in total (+7% EGU24):
  - 730 disciplinary PG sessions, of which 48 are ITS sessions
  - 20 Education and Outreach Sessions (EOS), incl. GIFT workshop
  - 61 Short Courses + 2 Artist in Residence workshops
  - 38 Medal and Award Lectures
  - 9 Union Symposia and 9 Great Debates
  - 150 Townhall & Splinter meetings scheduled
- **ECS Networking, Science for Policy, and EDI Committee events**



EGU24 Room E1

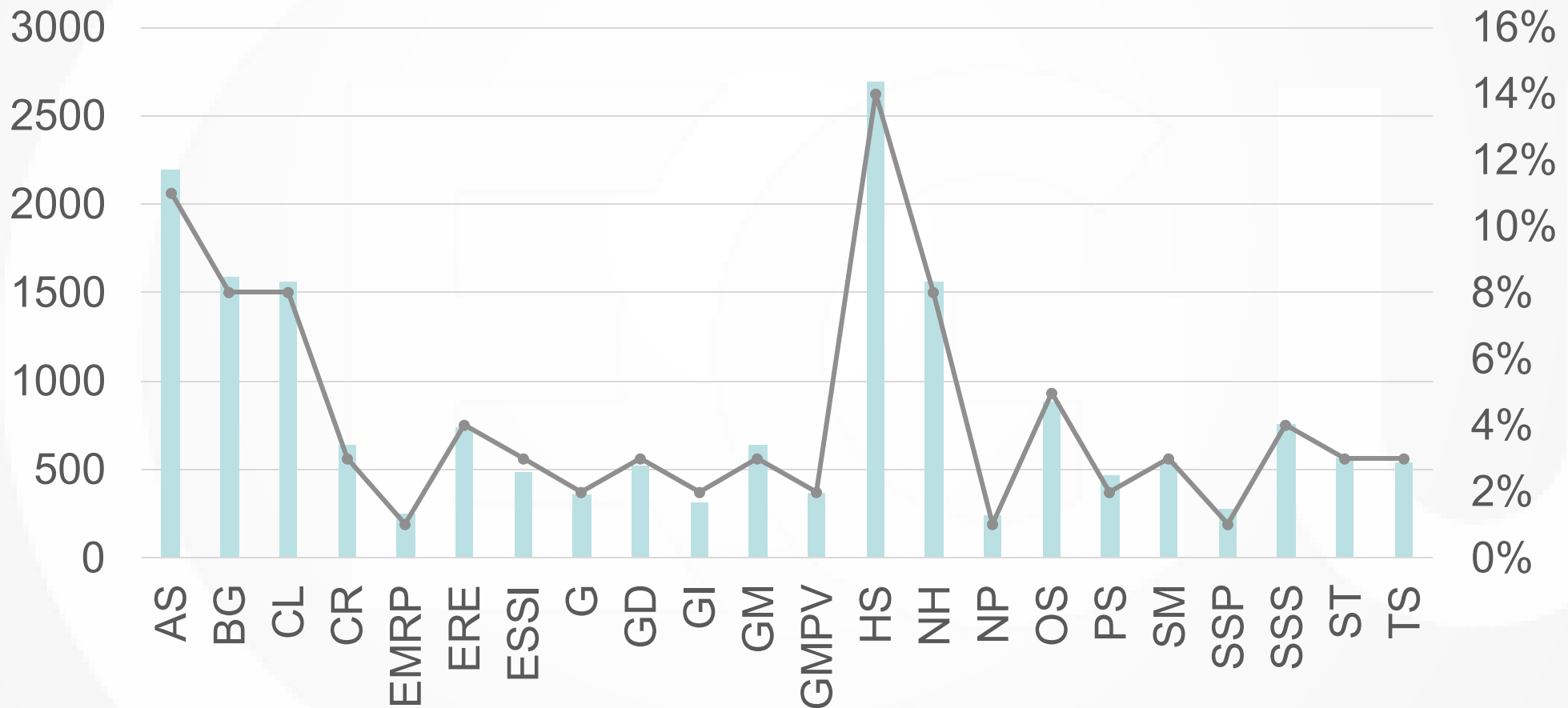
More on: <https://www.egu25.eu/>





(as of 27 April 2025)

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



(as of 16 April 2025)

# AS Division Awards and Medals

- **Vilhelm Bjerknes Medal**
- **AS Division Early Career Scientist Award**  
(is also nominated for the Union Arne Richter Award for Outstanding Early Career Scientist)
- **EGU Outstanding student poster and PICO (OSPP) awards**
- **EGU Atmospheric Sciences journal awards**

# Atmospheric Sciences Division

## 2025 Outstanding Early Career Scientist Award

**Dominik Stolzenburg**  
TU Wien



*"... for innovative contributions and dedication to the fields of atmospheric chemistry and physics, particularly in the areas of new particle formation and nanoparticle growth"*

# Atmospheric Sciences Division 2025 Vilhelm Bjerknes Medal

**Ulrike Lohmann**  
ETH Zürich



*"...for outstanding research on cloud-climate interactions; integrating microscale processes and satellite data with global models to assess the radiative effects of clouds on the Earth system."*



# AS Division Awards and Medals



## How to nominate

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

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



**Nomination and supporting letters via on-line form**

# OSPP

**Outstanding Student and PhD  
candidate Presentation contest**

# OSPP

## Outstanding Student and PhD candidate Presentation contest



Matthias Tesche, Uni Leipzig



Roland Schrödner, TROPOS Leipzig



# 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?

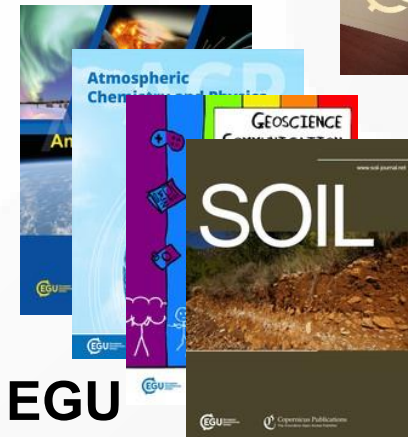
- 3+ pre-defined judges per participating presentation
- All EGU GA participants (from post-doc level on, not co-author, no shared affiliation) can vote as well!
- **We need your votes (to be submitted in time)!**

## 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**







**Abigail McConnell**, University of Leeds.

*Radical Processes on Secondary Organic Aerosols*



**Alexander Platter**, University Innsbruck.

*Uncertainty of eddy covariance-derived net ecosystem CO<sub>2</sub> exchange over a mountain forest reduced by multiple nighttime filtering approaches, or not?*



**Anja Katzenberger**, Potsdam Institute for Climate Impact Research (PIK).

*Monsoon Planet: Studying Monsoon Dynamics in an Idealized Setup*



**Daniel Boateng**, University of Tübingen.

*African monsoon changes in the Late Cenozoic from the climate modelling perspective*



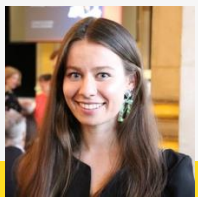
**Hannah Meyer**, Karlsruhe Institute of Technology.

*Abundance of giant mineral dust particles: Insights from measured emitted dust size distributions during the J-WADI campaign*



**Luise Schulte**, ECMWF & University of Cologne.

*Representation of Arctic mixed-phase clouds in the ECMWF Integrated Forecasting System during MOSAiC*



**Cécile Davrinche**, LSCE in France.

*Projection of near-surface winds in Antarctica using Earth System Models downscaled by a regional atmospheric model (MAR)*

# Outstanding Student and PhD candidate Presentation (OSPP) Awards 2024



**EGU Publications**  
Transparent  
Community-driven  
Not for profit



 Copernicus Publications  
The Innovative Open Access Publisher

**Ken Carslaw and Barbara Ervens**  
Executive editors

Papers published in 2024:	706
Number of countries where authors were based in 2024:	67
Number of countries where editors were based in 2024:	32



# ACP Paul Crutzen Publication Award

## for Outstanding *Publications* in ACP in 2024

### that advance our Understanding of Atmospheric Chemistry and Physics

#### Raphael Satoru Märkl

DLR, Germany

C. Voigt, D. Sauer, R. K. Dischl, Stefan Kaufmann, T. Harlaß, V. Hahn, A. Roiger, C. Weiß-Rehm, U. Burkhardt, U. Schumann, A. Marsing, M. Scheibe, A. Dörnbrack, C. Renard, M. Gauthier, P. Swann, P. Madden, D. Luff, R. Sallinen, T. Schripp, and P. Le Clercq

**Powering aircraft with 100% sustainable aviation fuel reduces ice crystals in contrails**

<https://doi.org/10.5194/acp-24-3813-2024>

#### Shiv Priyam Raghuraman

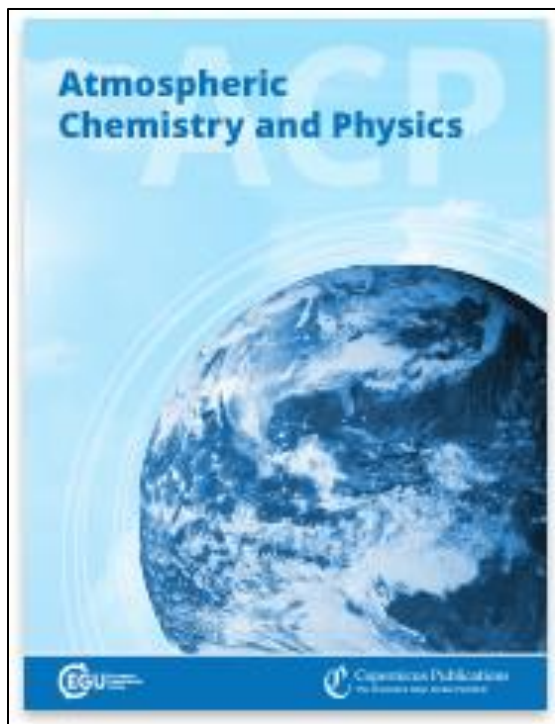
Univ Florida; Univ Illinois Urbana-Champaign

Brian Soden, Amy Clement, Gabriel Vecchi, Sofia Menemenlis, and Wenchang Yang

**The 2023 global warming spike was driven by the El Niño–Southern Oscillation**

<https://doi.org/10.5194/acp-24-11275-2024>

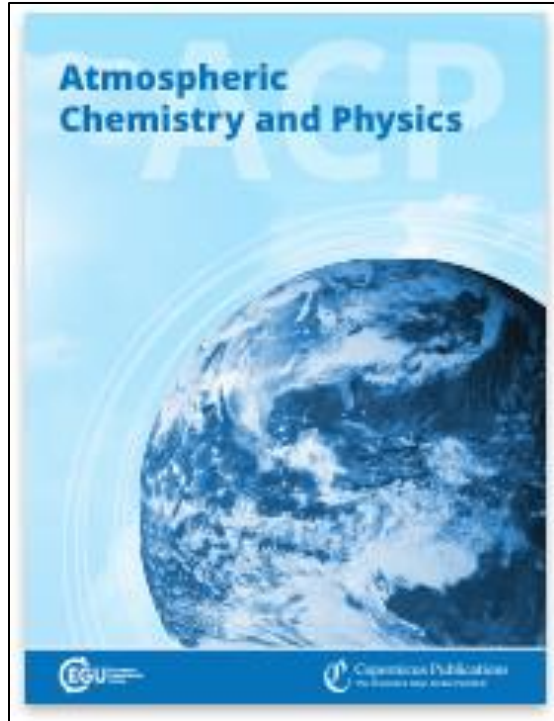




# In Recognition of Commitment and Excellence in *Reviewing* for Atmospheric Chemistry and Physics in 2024

<b>Rachel Atlas</b>	Institute Pierre-Simon Laplace, France
<b>Steffen Beirle</b>	Max Planck Institute for Chemistry, Germany
<b>Angela Buchholz</b>	University of Eastern Finland, Finland
<b>David Mitchell</b>	Desert Research Institute, USA
<b>Oliver Wild</b>	Lancaster University, UK
<b>Bin Zhao</b>	Tsinghua University, China

receive the  
**2024 ACP Outstanding Referee Awards**



# In Recognition of Excellent Services as *Editor* of Atmospheric Chemistry and Physics in 2024

**Luis A. Ladino**

Universidad Nacional Autónoma de México, Mexico

**Stelios Kazadzis**

Physikalisch-Meteorologisches Observatorium  
Davos World Radiation Center (PMOD/WRC)  
Switzerland

**receive**  
**the 2024 ACP Outstanding Editor Award**



## Editors sought for ACP

Atmospheric Chemistry and Physics (ACP) is seeking editors to strengthen its editorial board in all journal subject areas:

- Aerosols
- Dynamics
- Gases
- Radiation
- Clouds
- Climate & Earth System

and the role of the aforementioned components in the Earth's climate system, including the biosphere, hydrosphere, and cryosphere.

If you are interested in becoming an ACP editor, please submit a short statement of motivation and experience by **7 May 2025** at:

<https://webforms.copernicus.org/ACP/editor-application>

or ACP page: <https://www.atmospheric-chemistry-and-physics.net/> → News

If you have any questions, contact the **ACP Co-Chief Executive Editors Barbara Ervens and Ken Carslaw**

[acp-executive-editors@copernicus.org](mailto:acp-executive-editors@copernicus.org)



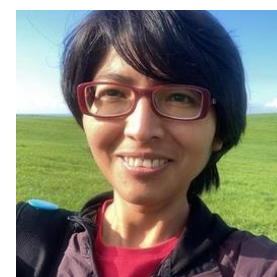
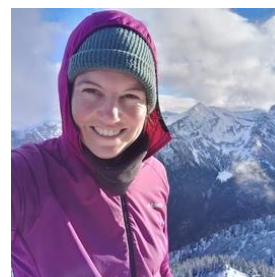
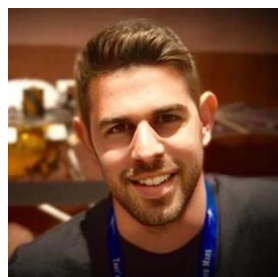
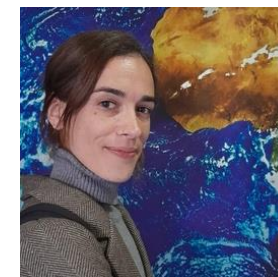
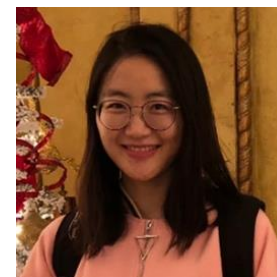
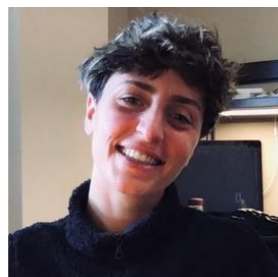
# Early Career Scientist Representatives



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



[ecs@egu.eu](mailto:ecs@egu.eu)



## AS Division EC

*Interested in connecting with the scientific community?*

*Writing blog posts?*

*Support the interests of ECS?*

*Increasing visibility for ECS on social media?*

*Organize workshops for the community?*



Robert Maiwald

**Representative**

PhD Candidate | Heidelberg University



Dr. Mozhgan Amiramjadi

**Co-Representative**

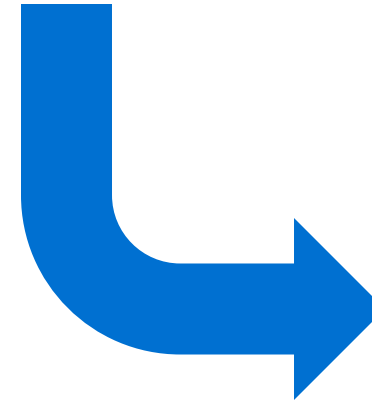
Postdoctoral researcher | Karlsruhe Institut of Technology (KIT)



Dr. Roxana Cremer

**Blog Editor**

Postdoctoral researcher | Leibniz Institute for Tropospheric Research (TROPOS)



Join us!  
On Slack




# 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 



# EGU Special Activities Fund

**Open to applications for high-profile, 'out-of-the-box' not-for-profit activities with high visibility and large impact**

- » applications could amount to 20-30 k€, but more ambitious projects could also be considered if duly justified.
- » The main applicant must currently be an EGU member.
- » Activities should take place in the calendar year 2026.
- » Not financing solely research activities, any kind of activism nor at funding of personal expenses

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





# **Great Debate 3**

**The Role of Large Language Models  
(LLMs) in Transforming Geosciences:  
Friend, Foe, or Fad?**

**Thursday 1 May, 14:00–15:45 CEST  
Room E1**

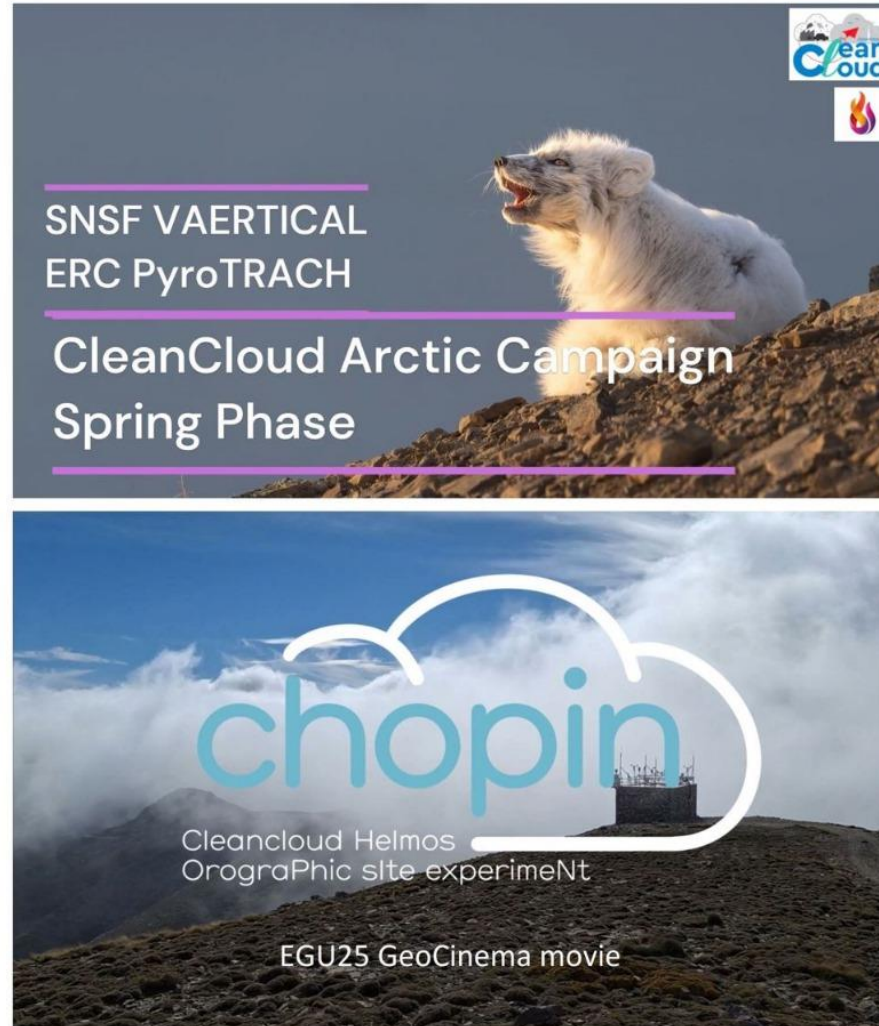
**#EGU25**



**EGU** General Assembly **2025**  
GeoCINEMA

*Looking for climate answers in  
Arctic & E.Mediterranean clouds:  
Moments from the CleanCloud  
Villum & CHOPIN campaigns*

**Thursday | 1 May | 6.40-7.00 pm**  
**Hall E1, Austria Center Vienna**



## EGU NEWS

# EGU celebrates the diversity of people needed to create truly outstanding science

[Home](#) / [News & press](#) / [EGU news](#) / EGU celebrates the diversity of people needed to create truly outstanding science



8 March 2025

The European Geosciences Union, representing over 20,000 researchers in the Earth, planetary and space sciences, both in Europe and around the world, today reaffirms the value of having a

## Contact

**Hazel Gibson**

Head of Communications



EGU NEWS

# The European Geosciences Union expresses its support for its fellow American scientific societies

EGU stands behind our sibling American scientific societies, providing our support for them and all their members in the face of recent changes to US scientific policy.

[Read more](#)





# **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 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)**





**Please  
Give Us  
Feedback!**

[egu25.eu/feedback](https://egu25.eu/feedback)