



Division

Planetary & Solar
System Sciences

Division Meeting Planetary and Solar System Sciences (PS)

Dr Anezina Solomonidou

President 2023-2027

<https://www.egu.eu/ps/home/>



WELCOME

April 29, 2024, 12:45-13:45

EGU25 General Assembly, Vienna and online | 27 April-03 May

Agenda

- Welcome
- **PS important events**
- Facts and figures about EGU GA 2025
- GA highlights –stay informed!
- Union & PS division awardees
- OSPP competition (celebration at Annual Dinner, Wednesday)
- Structure of the PS Science Team (2025-) and ECS cohort
- PS diVISION
- AOB and Member comments
- Adjourn

PS Social Events @EGU25

PS Annual Dinner REGISTRATION REQUIRED

- Wednesday 30/4, 19:30: PS Annual Dinner @ **Schöne Perle Restaurant**
(limited seating up to 60 people)

GREAT DEBATE

- Tuesday 29/4, 14:00-15:45 Habitability in Our Solar System:
Do Any Worlds Besides Earth Offer Habitable Conditions? **ROOM E1**

ECS EVENTS

- Tuesday 29/4, 18:00-19:30: ECS Networking Reception, **Rooftop Foyer**

AWARDS

- Tuesday 29/4, 19:00-20:00: PS Awards, Runcorn-Florensky Medal Lecture by **Cathy Quantin Nataf** and
PS Division Outstanding ECS Award Lecture by **Shangchun Teng**, **Room E2**
- Thursday 1/5, 12:45-13:45: Jean Dominique Cassini Medal Lecture by **Raymond Pierrehumbert**, **Room E1**



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

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

The EGU Programme Committee welcomes you to EGU25!

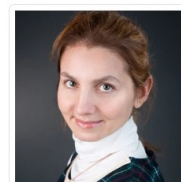


EGU Programme Committee | October
2024

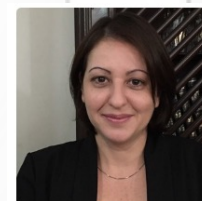
Meet the PC Co-chairs &
EGU Events Manager:

EGU25 Gather.Town – EGU booth
Tue, 29 Apr, 15:30 – 16:00

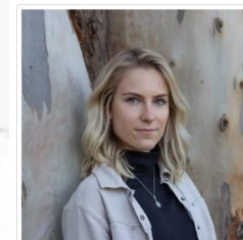
EGU Booth – Hall X2
Wed, 30 Apr, 10:15 – 10:45



Ira Didenkulova
PROGRAMME
COMMITTEE CO-
CHAIR



Maria-Helena
Ramos
PROGRAMME COMMITTEE
CO-CHAIR



Jane Roussak
EVENTS MANAGER

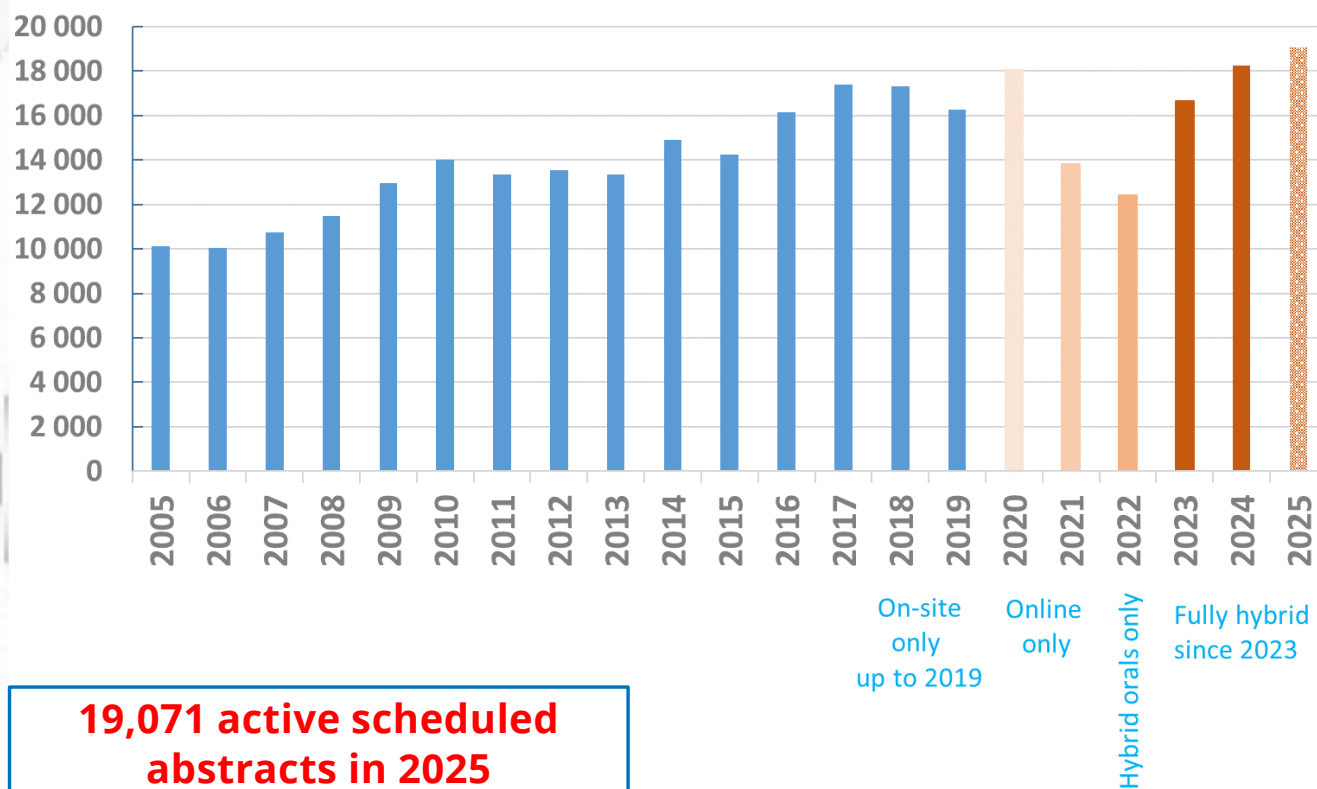
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General
Assembly

2025

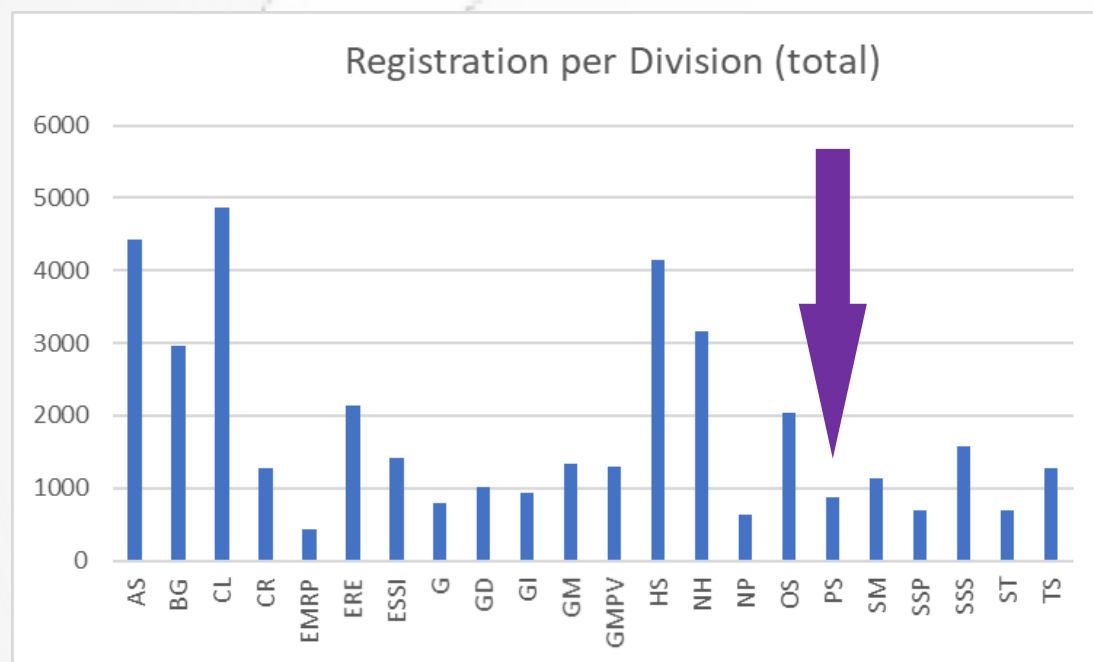
Vienna, Austria & Online | 27 April–2 May 2025



**19,071 active scheduled
abstracts in 2025**

(as of 27 April 2025)

(a participant can choose more than one affiliation)



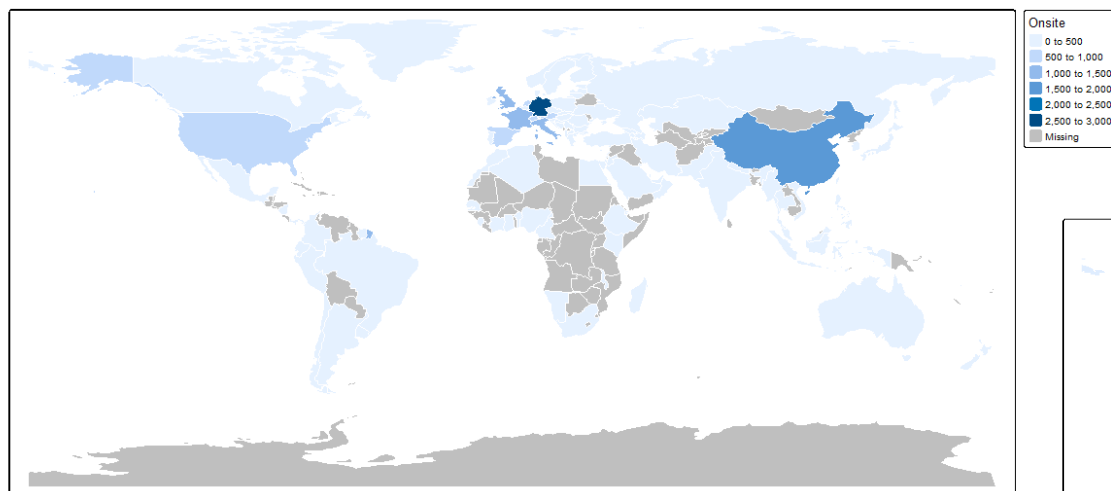
- 19,500+ **registrations** (9.5% for **virtual participation**; 8% in EGU24)
- 53% of virtual registration are “**free virtual registration**”
- 56% are **ECS**
- **Gender**

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

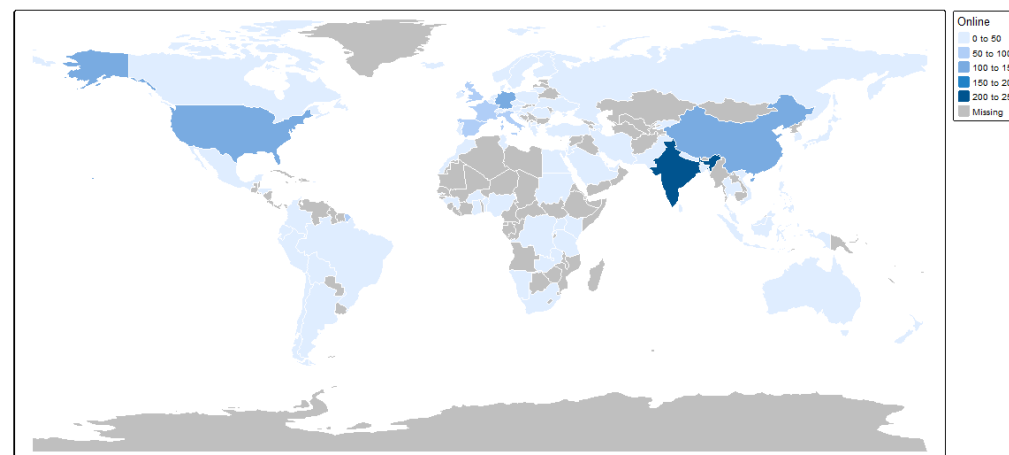
PS saw a 14% increase from last year!

(as of 27 April 2025)

On-site



Virtual



(as of 16 April 2025)

EGU25: numbers at a glance

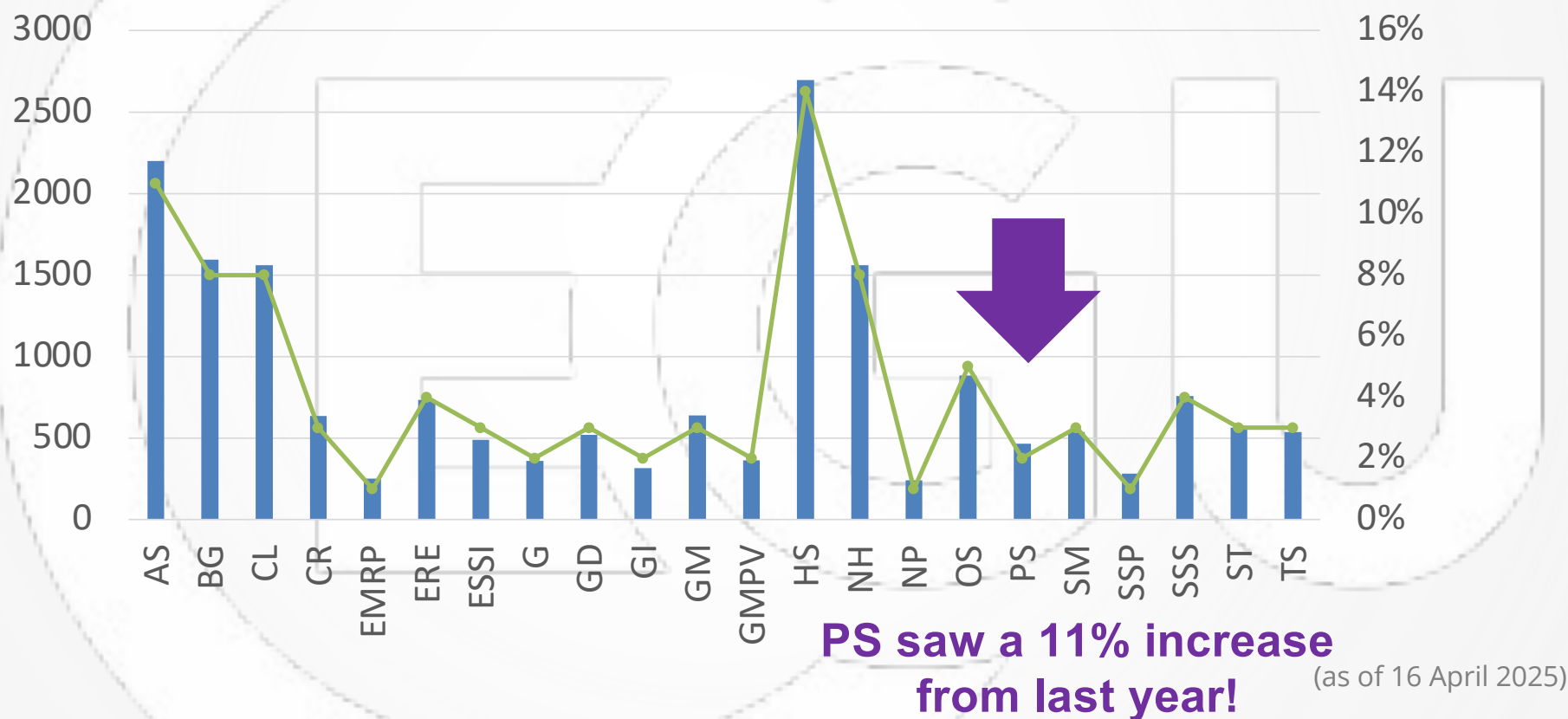
- **1,103 active sessions** in total (+7% EGU24):
 - 730 disciplinary PG sessions, of which 48 are ITS sessions
 - 20 Education and Outreach Sessions (EOS), incl. GIFT workshop
 - 61 Short Courses + 2 Artist in Residence workshops
 - 38 Medal and Award Lectures
 - 9 Union Symposia and 9 Great Debates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



EGU24 Room E1

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

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





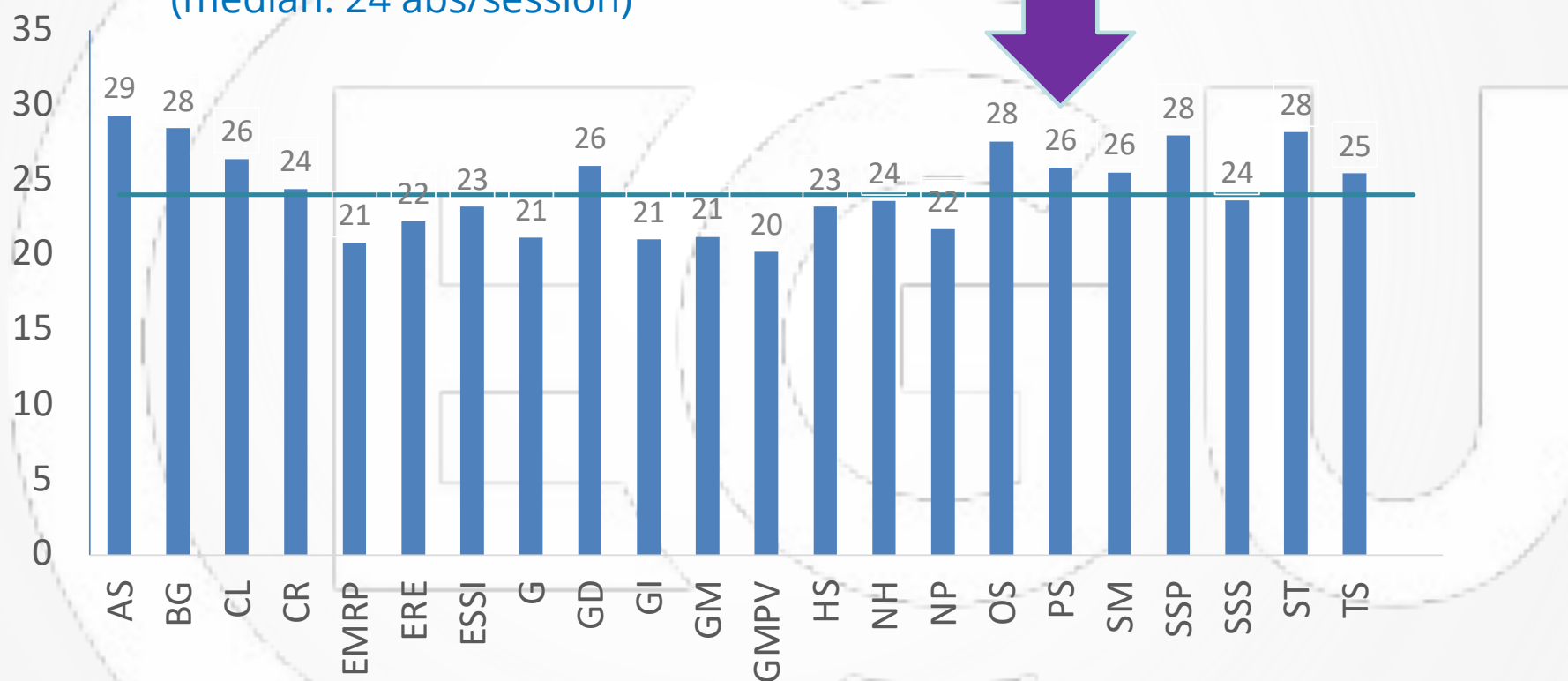
General
Assembly

2025

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

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

(median: 24 abs/session)



(as of 16 April 2025)

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Union Symposium 8

Gender in Geoscience

**Friday 2 May, 8:30–10:15 CEST
Room E1**

#EGU25



Union Symposium 9

**Opening up about mental
health across career stages
in the geosciences**

**Monday 28 April, 16:15–18:00 CEST
Room E1**

#EGU25



Great Debate 1

**Habitability in Our Solar System:
Do Any Worlds Besides Earth Offer
Habitable Conditions?**

**Tuesday 29 April, 14:00–15:45 CEST
Room E1**

#EGU25



EGU Award & Medal Celebration

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

#EGU25

Room E1

Head on over to the EGU Booth!

- Learn about EGU activities
- Meet members of the EGU Council & Committees
- Cast your vote for the photo competition
- Browse through EGU merchandise... and more!





Join a Science for Policy Session at EGU25!

#Sci4Pol

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
at the EGU Booth (Hall X2)

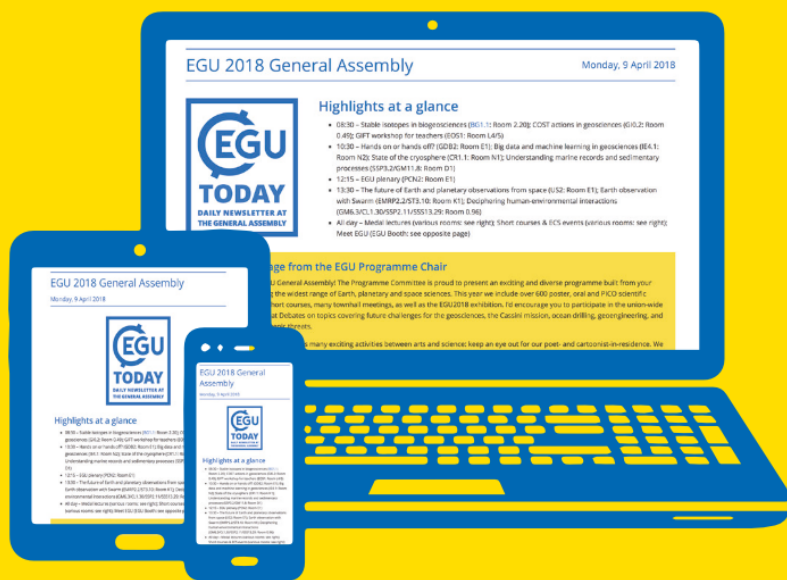


The Daily Newsletter at the General Assembly

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 online

#EGU25



EuropeanGeosciencesUnion



@EuroGeosciences



EuroGeosciencesUnion



EuropeanGeosciencesUnion



@EuroGeosciences@mastodon.social



@egu.eu

The EGU blogs

GeoLog

The Union's official blog - geolog.egu.eu

blogs.egu.eu

EGU Division blogs

The latest news, events, activities and research from
EGU's 22 Divisions - blogs.egu.eu/division



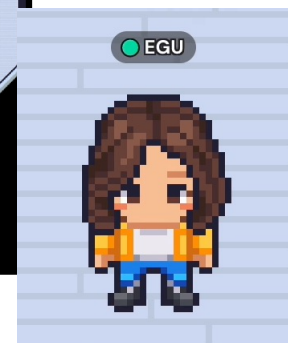
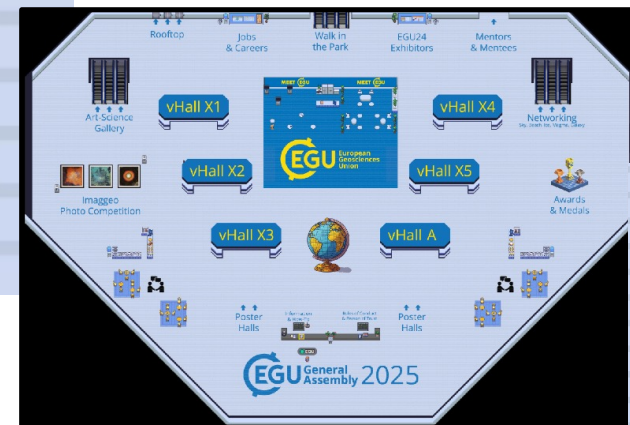
www.egu.eu | info@egu.eu

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!



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Division

Planetary & Solar
System Sciences

Planetary and Solar System Sciences Awards & Medals

2025 Jean Dominique Cassini Medal

Raymond Pierrehumbert

The 2025 Jean Dominique Cassini Medal & Honorary Membership is awarded to Raymond Pierrehumbert for exceptional research on planetary science that includes fundamental work in the fields of Earth's climate research, planetary atmospheric evolution, and exoplanet habitability.



Thu, 01 May, 12:45–13:45 (CEST) Room E1



2025 Runcorn-Florensky Medal

The 2025 Runcorn-Florensky Medal is awarded to Prof. **Cathy Quantin Nataf** for her pioneering contributions to the geological exploration of Mars, including her groundbreaking work on sedimentary environments, crater chronology, and landing site selection for major space missions.

Mars Geology: Virtual to real

Cathy Quantin-Nataf



TONIGHT!

Tuesday 29/4, 19:00-20:00

Room E2:

Lecture by **Cathy Quantin-Nataf**

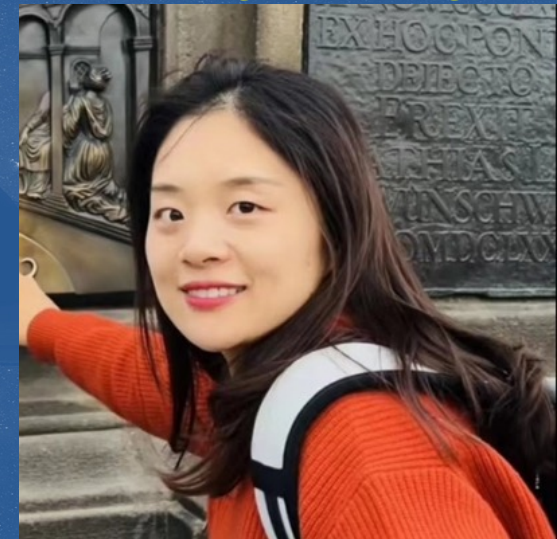


2025 Division Outstanding Early Career Scientist Award

The 2024 Division Outstanding Early Career Scientist Award is awarded to **Shangchun Teng** for her outstanding contributions to the understanding of plasma wave generation and wave-particle interactions in planetary space plasmas.

**Advancements in Plasma Wave Generation
and Wave-Particle Interactions in Space
Plasmas**

Shangchun Teng



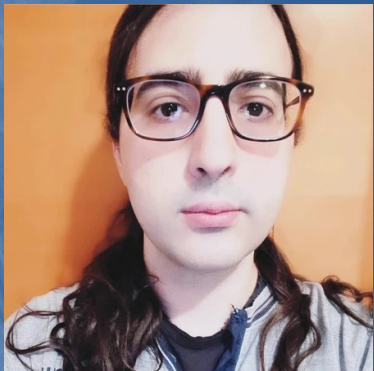
TONIGHT!
Tuesday 29/4, 19:00-
20:00 Room E2:
Lecture by **Shangchun**
Teng



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Francesco Biagiotti



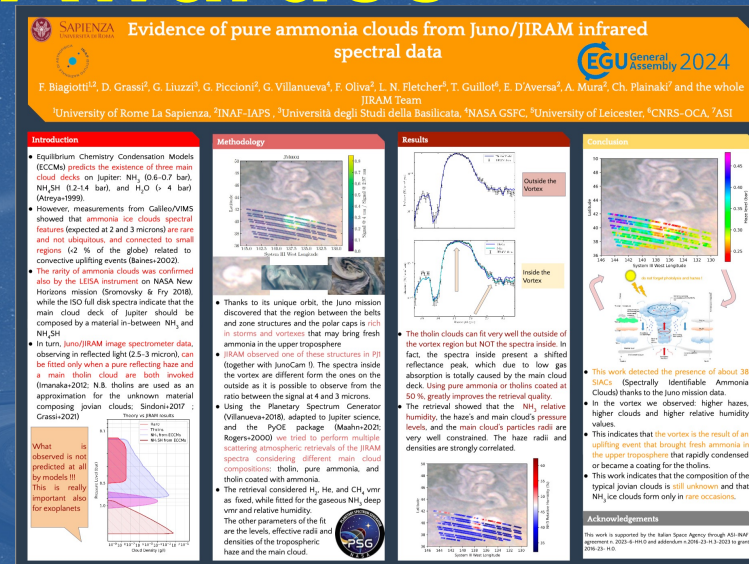
2025 OSPP PS Awardee

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

Evidence of pure ammonia clouds from Juno/JIRAM infrared spectral data (Biagiotti, F.; Grassi, D.; Liuzzi, G.; Piccioni, G.; Villanueva, G.; Oliva, F.; Fletscher, L. N.; Guillot, T.; D'Aversa, E.; Mura, A.; Plainaki, C. and the JIRAM Team)



OSPP coordinator: Lena Noack



Evidence of pure ammonia clouds in Jupiter's Northern Temperate domain from Juno/JIRAM infrared spectral data

F Biagiotti, D Grassi, G Liuzzi, G Villanueva, G Piccioni, T Guillot, L N Fletcher, S K Atreya, A Mura, F Oliva ... Show more

Monthly Notices of the Royal Astronomical Society, Volume 538, Issue 3, April 2025, Pages 1535–1564, <https://doi.org/10.1093/mnras/stf381>

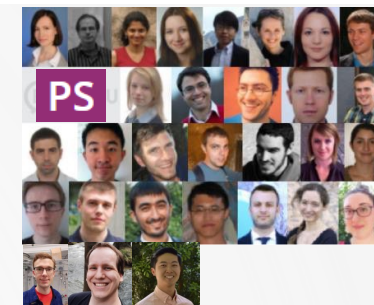
Published: 05 March 2025 Article history

PDF Split View Cite Permissions

ABSTRACT

In this work, we analyse data from the Jovian Infrared Auroral Mapper (JIRAM) imaging spectrometer on board the NASA mission Juno, to investigate the presence of spectrally identifiable ammonia clouds (SIACs). Focusing on the data from the first perijove passage, we found that a white vortex structure near 40°N provides the best candidate. Implementing atmospheric retrieval thanks to the planetary spectrum generator, we fit the JIRAM spectra (in the $2.5\text{--}3.1\text{ }\mu\text{m}$ range) inside and outside the vortex, varying the gaseous ammonia profiles, and the clouds and hazes properties and composition. We found that outside the vortex, the best fit is achieved using main clouds composed of tholins (approximation of an unknown contaminant material). Inside the vortex the best fit is achieved when main cloud decks are composed of pure ammonia ice, or ammonia-coated tholins. We therefore claim the detection of 38 SIACs, all detected over the white vortex structure. With respect to the external regions, the retrieved parameters

OSPP: Outstanding Student and PhD candidate Presentation contest



OSPP contest at EGU

- highlights poster and PICO presentations
- since 2003 (initiated by HS, PS included since 2010)
- 1 per ~30 participants awarded (~2300 participants)
- 2023: 28 participants, 2024: 49 participants in PS

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

What is evaluated?

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

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

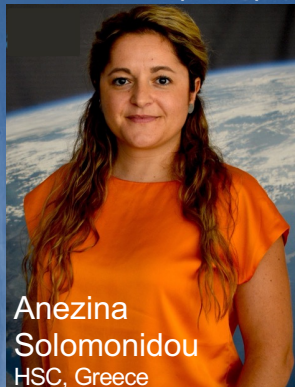


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Division Officers '24-'25

President (23-27)



Dep. President



SO: Terrestrial Planets



SO: Outer Planets



SO: Small Bodies



SO: Space Weather



SO: Exoplanets



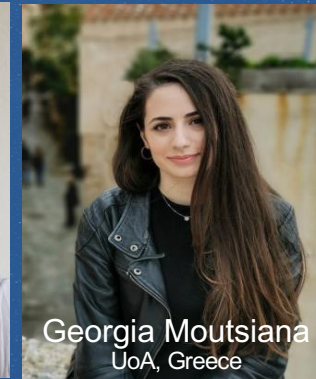
SO: Astrobiology



OSPP Co-ordinator



ECS Rep



Outgoing officers 2024

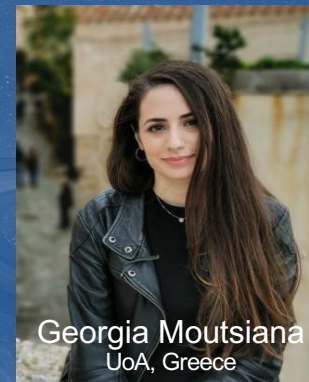
SO: Exoplanets



SO: Astrobiology



ECS Rep



**We are very grateful for your service
and support to the PS division.
Thank you!!!**

Incoming officers 2025

Division Vote
by show-of-hands

Policy Officer



Eli
Djomekou
U Nantes, France

policy@egu.eu

SO: Astrobiology



SO: Exoplanets



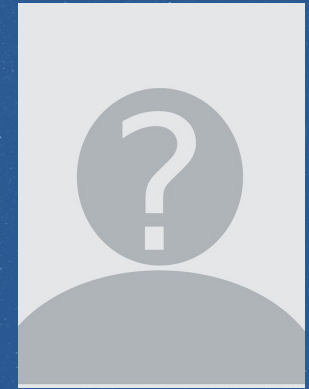
ECS Rep



ECS Co-representative



Social Media Manager



JOIN US!

ps@egu.eu

ecs-ps@egu.eu



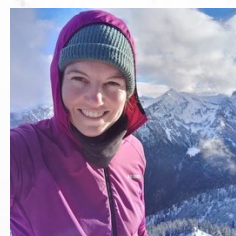
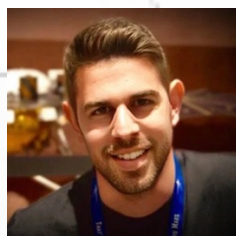
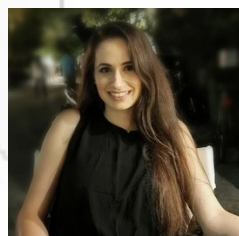
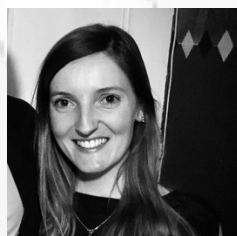
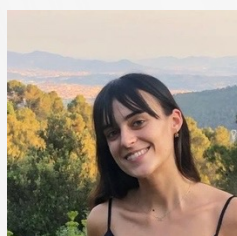
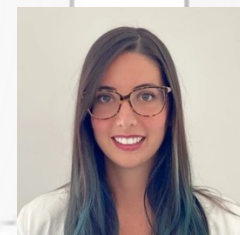
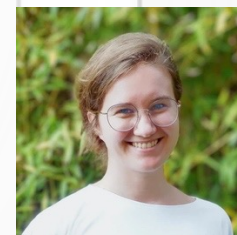
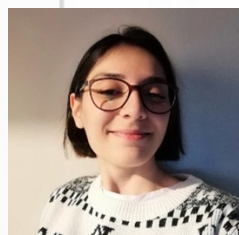
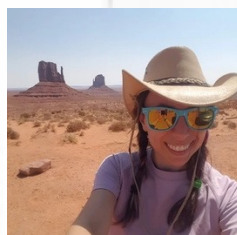
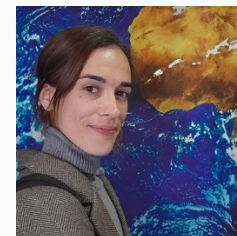
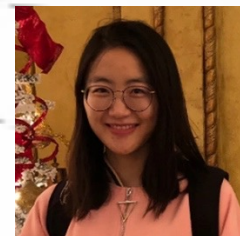
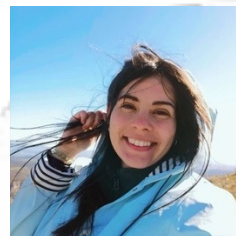
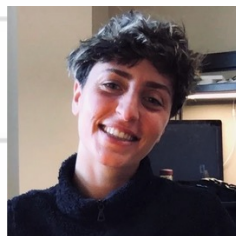
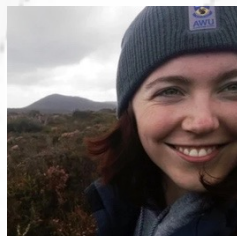
Early Career Scientist Representatives



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



ecs@egu.eu

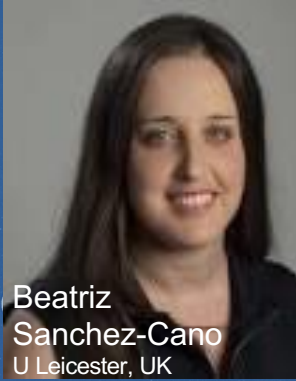


Structure

PS Awards & Medal Committees 2025+



A&M Chair



A&M committee



A&M committee

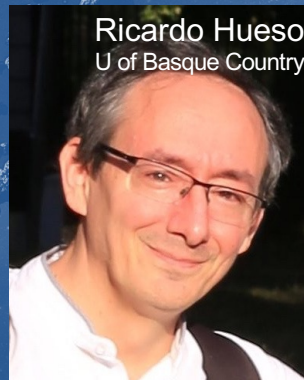
We are very grateful for your service
and support to the PS division.
Thank you!!!



A&M Chair

Outgoing
Thank you!

Incoming



A&M committee



A&M committee

Outgoing
Thank you!

Incoming



A&M committee



Division

Planetary & Solar System Sciences

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

President

Anezina Solomonidou (2023-2027)

Deputy President

Joana S. Oliveira

PS Programme Group Chair

Anezina Solomonidou

Science Officers

Joana Oliveira
Terrestrial Planets

Franck Montmessin
Terrestrial Planets

Chrysa Avdellidou
Small Bodies

Moa Persson
Space weather & space weathering

Panayotis Lavas
Outer Planets

Tristan Guillot
Outer Planets

TBD
Astrobiology

TBD
Exoplanets

Awards & Medals Chair Awards & Medals Committee

Franck Montmessin
Chrysa Avdellidou
Beatriz Sanchez-Cano
Ricardo Hueso
Shangchun Teng

OSPP Coordinator

Lena Noack

ECS Representative ECS Co-Representative

TBD
TBD

Social Media Manager Policy Officer

TBD
Eli Djomekou



European
Geosciences
Union

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A big THANK YOU
to all PS Officers, Conveners, Volunteers, Authors, Attendees

our diVISION 2025 – 2026



European
Geosciences
Union



Division

Planetary & Solar
System Sciences



MAIN Goal to accomplish: **GROWTH** : Increase attendance for PS within EGU - Represent PS within EGU



EGU25 received the same number of abstracts as EGU24
BUT

PS saw a growth of **11% in addition to the 23% from last year**
WE WANT MORE

PS is part of EGU's identity 'the planetary and space science research'



Division

Planetary & Solar
System Sciences

WHY?



Mid and Senior professionals:

- ✓ RECOGNITION (be eligible for nomination, nominate colleagues)
- ✓ ACTIVE ROLE

PostDocs and PhD Students:

- ✓ FUNDING opportunities for conferences and meetings
- ✓ MAKE A DIFFERENCE WITH NEW IDEAS



Enhance our scientific
opportunities

Grow our global outreach

Increase our career options

Lead the field of planetary & solar
system sciences exploration

PS ECS

members: 13%





Division

Planetary & Solar
System Sciences

HOW?

Large sessions for active space missions and systems that are soon going to be visited (e.g., Jovian system)

New missions

NASA's decadal survey and Voyage 2050

Ice giant missions, Missions to Venus, etc!

Small sessions to deal with **hot** scientific topics that target very specific scientific questions

Enhance collaborations with other Divisions
ST, GD, GMPV, ESSI, GM, CR

**Splinter
Meetings**

EGU25: **18** Active sessions
with at least **26** abstracts
per lead session!
ECS abstracts **54%**





Division

Planetary & Solar
System Sciences

Social Media Strategy

EGU NEWS
EGU leaving Twitter/X

European
Geosciences

Conferences & Press Releases



submission deadline 16 May 2025

HOW?

Press Strategy

The screenshot shows the EGU BLOGS website. The header includes the EGU BLOGS logo and navigation links for GeoLog, Network, and Divisions. The main content area features a large image of a mountain landscape. Below the image is a headline: "Sarakiniko: A unique geoheritage site under threat". The author is Anezina Solomonidou, and the date is March 21, 2025. There are two small images below the headline: one showing a close-up of the white tuff formations and another showing a wider view of the site. The text below the images describes the site as a stunning geological landmark on the Aegean island of Milos, Greece, under imminent threat. It mentions the site's history of submarine volcanic eruptions and its significance for geoscience and planetary research. The text ends with "H ..." and a "[Read More]" link.

EGU BLOGS GeoLog Network Divisions

GeoLog

Sarakiniko: A unique geoheritage site under threat

Anezina Solomonidou · March 21, 2025

Sarakiniko, a stunning geological landmark on the aegean island of Milos, Greece, is under imminent threat. Known for its breathtaking white tuff formations built by the deposition of submarine volcanic eruptions and sculpted by wind and water over millions of years, this site serves as both a natural laboratory for geoscience and planetary research and a worldwide significant geoheritage site. H ... [\[Read More\]](#)

MEETINGS

Galileo Conferences

topical-events@egu.eu

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 →





Division

Planetary & Solar
System Sciences

EGU Angioletta Coradini Conferences

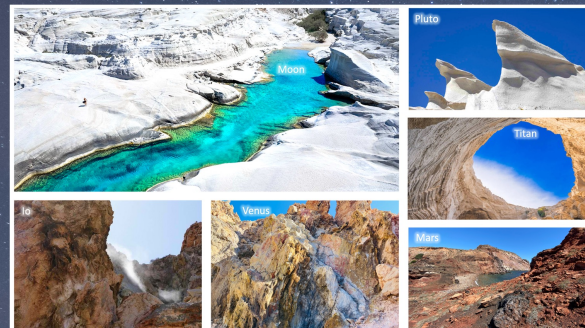
Submission deadline 16 May 2025

2024: We organized an
Angioletta Coradini
Conference!

HOW?

planetary Workshop

Terrestrial Analogues for Solar System Studies



3-6 June 2024, Milos, Greece

We study Earth, to understand the Universe



Open Access Publications

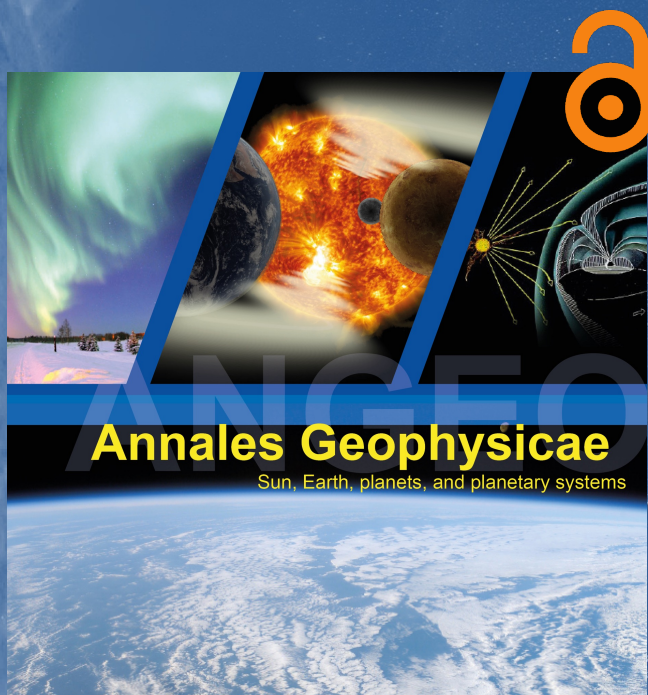


- Open Access Journals
- Interactive Public Peer Review

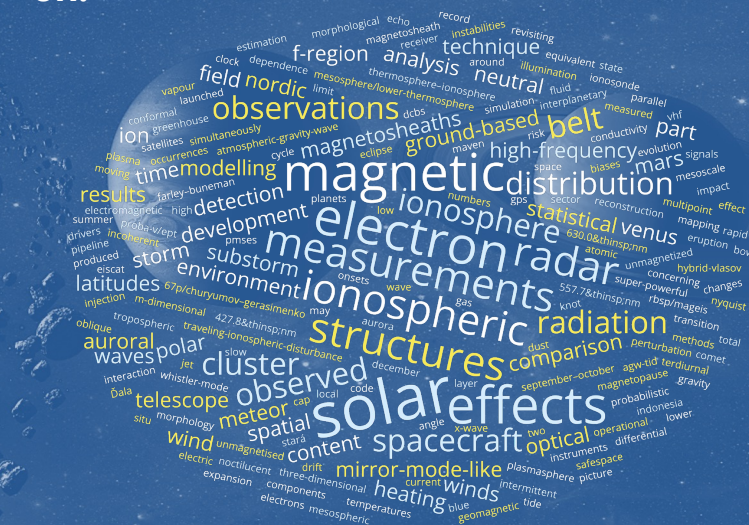


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**100% open access and publicly peer reviewed
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A community-driven journal that in 2023* published extensive, exciting new research on:



"ANGEO is one of the most relevant journals focusing on the interface between aeronomy and solar-terrestrial physics."

Gunter Stober, author 2023

doi.org/10.5194/angeo-41-197-2023

Key Journal Metrics:

Impact Factor (2022) : **1.9**

5-year Impact Factor (2022): **1.8**

Papers published in 2023: **37**

Number of countries
where authors were
based in 2023: **27**

Number of countries where editors were based in 2023: **16**



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

The Assembly online

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EGU25
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AIM TO

→ **Gender Balance**



EGU NEWS

EGU launches a new award: Champion(s) for Equality, Diversity and Inclusion Award!

→ **Underrepresented countries**

→ **Early Career Scientists**



ECS

About early career scientists (ECS)

EGU25

PS Active members: **5%**

Female members: **4%**

Non-binary: **same**

PS ECS members: **13%**



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!**



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egu25.eu/feedback

Anezina Solomonidou:

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ps@egu.eu

Agenda

- Welcome
- PS important events
- Facts and figures about EGU GA 2025
- GA highlights –stay informed!
- Union & PS division awardees
- OSPP competition (celebration at Annual Dinner, Wednesday)
- Structure of the PS Science Team (2025-) and ECS cohort
- PS diVISION
- **AOB and Member comments**
- Adjourn



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Any Other Business

Comments from the members



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Division Meeting Planetary and Solar System Sciences (PS)

ADJOURN

<https://www.egu.eu/ps/home/>