



Division

Planetary & Solar  
System Sciences

# WELCOME



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



# Division Meeting of Planetary and Solar System Sciences (PS)

Stephen J. Mojzsis (PS, president 2021-2023)

**Anezina Solomonidou (PS, President-elect 2023-2025) after this Business Meeting**

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April 25, 2023

12:45-13:45 room 1.61/62





Division

Planetary & Solar  
System Sciences

# Order of business

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

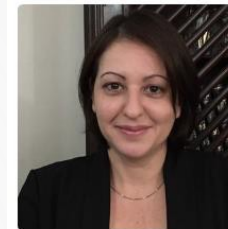
# Agenda

- Welcome
- Facts and figures to share with you about EGU GA 2023
- Union & PS division awardees (and call for nominations)
- OSPP competition (celebration at Awards Dinner, Thursday)
- Social Events sponsored by the division
- Structure of the PS Science Team (2023-) and ECS cohort
- New PS president: Anezina Solomonidou (2023-2025)
- Public Comments and AOB
- Adjourn



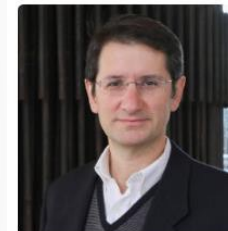
## Updates from the EGU Programme Committee (PC)

- **EGU Programme Committee** now has **two PC Co-chairs**, appointed by the EGU Council for the planning of the General Assemblies 2023 & 2024. They are supported by the **Events** Co-Ordinator, an EGU office staff member
- **The Programme Committee** is comprised of **General Positions** (Executive Board, Conference Organizer, PC Co-chairs), and **Programme Group Chairs** (22 EGU Divisions with their science officers + SC, ITS, EOS)
- **Our goal:** to transition to a stable fully **hybrid** format of the General Assembly, taking into consideration **inclusivity** and **sustainability** wherever possible and responding to the main **scientific challenges of geosciences worldwide**



Maria-Helena  
Ramos

PROGRAMME COMMITTEE  
CO-CHAIR



Athanasios Nenes

PROGRAMME COMMITTEE  
CO-CHAIR

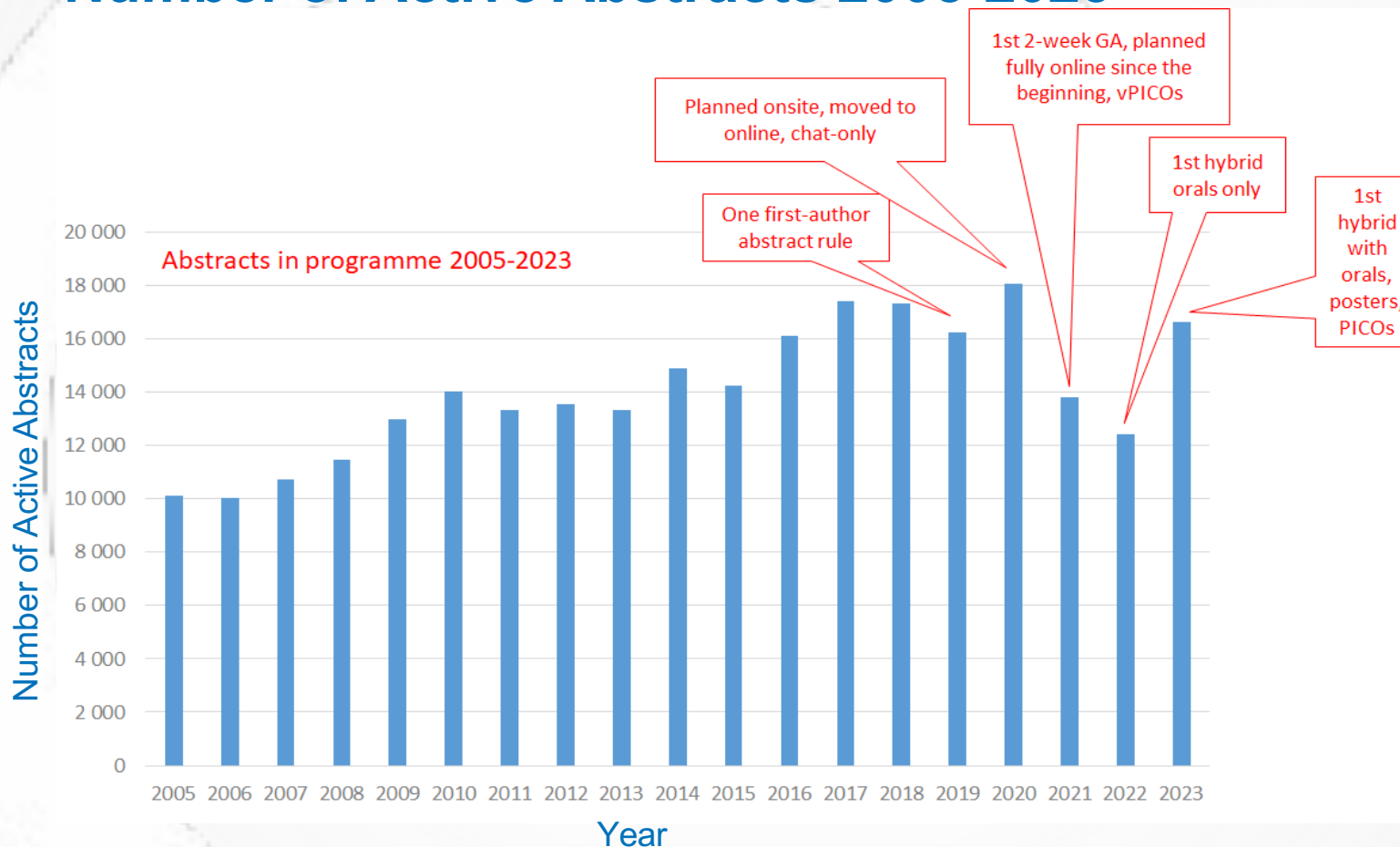


Jane Roussak

EVENTS CO-ORDINATOR



## Number of Active Abstracts 2005-2023

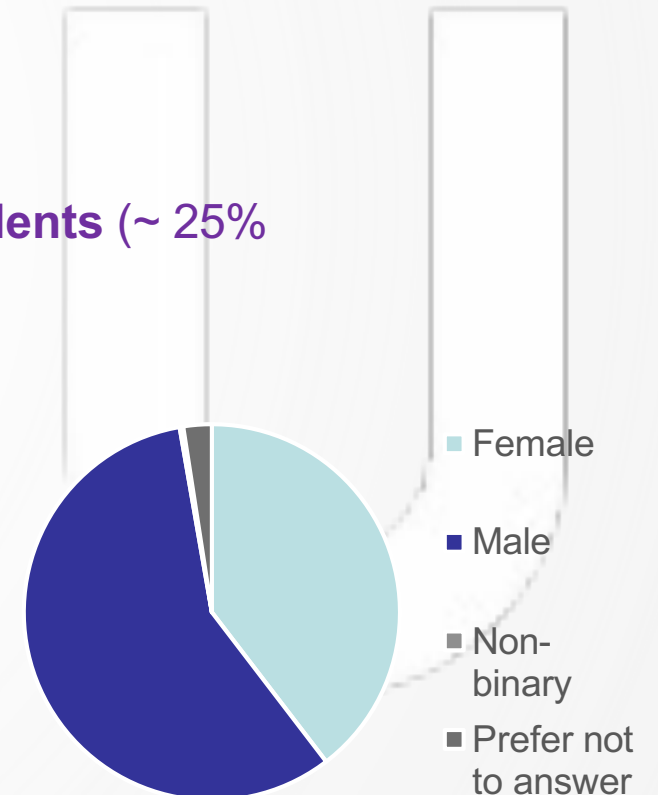


- **16,646 active scheduled abstracts** (as of 12 April)



## EGU23 Registration Statistics (as of 17 Apr)

- 16,604 **active scheduled abstracts**
- 15,319 **total registrations** (13,287 on-site / 2,032 virtual)
- ~13% of total participants registered for **virtual participation**
- ~ 40% of total participants are **PhD candidates, Master or Undergraduate students** (~ 25% participating virtually)
  - ~ 5% of registered participants from **low- & lower-middle income countries** (approx. equally distributed onsite & virtual participation) **this is VERY low**
  - **Gender**: male (~ 57 %) and female (~ 39 %), **with less difference between percentages for virtual participation REASONS?**

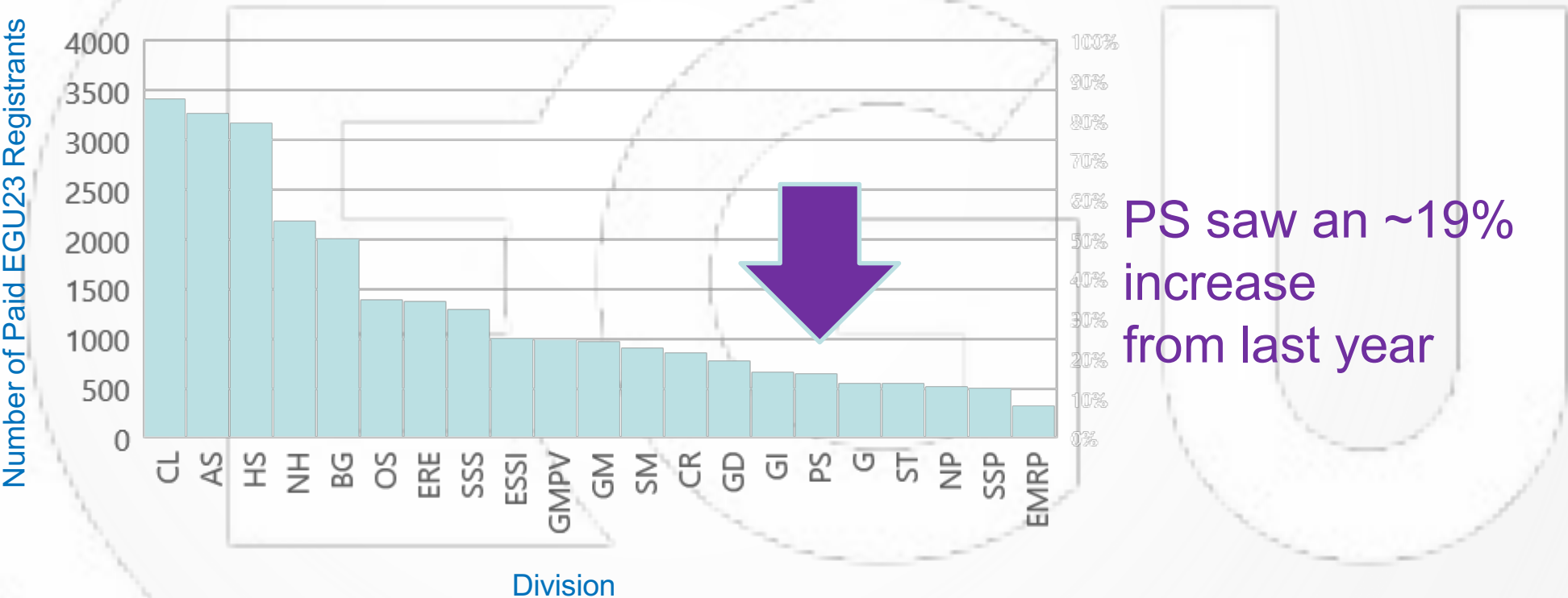




# EGU Division Affiliation of Paid Registrations

(as of 12 Apr)

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



PS saw an ~19% increase from last year



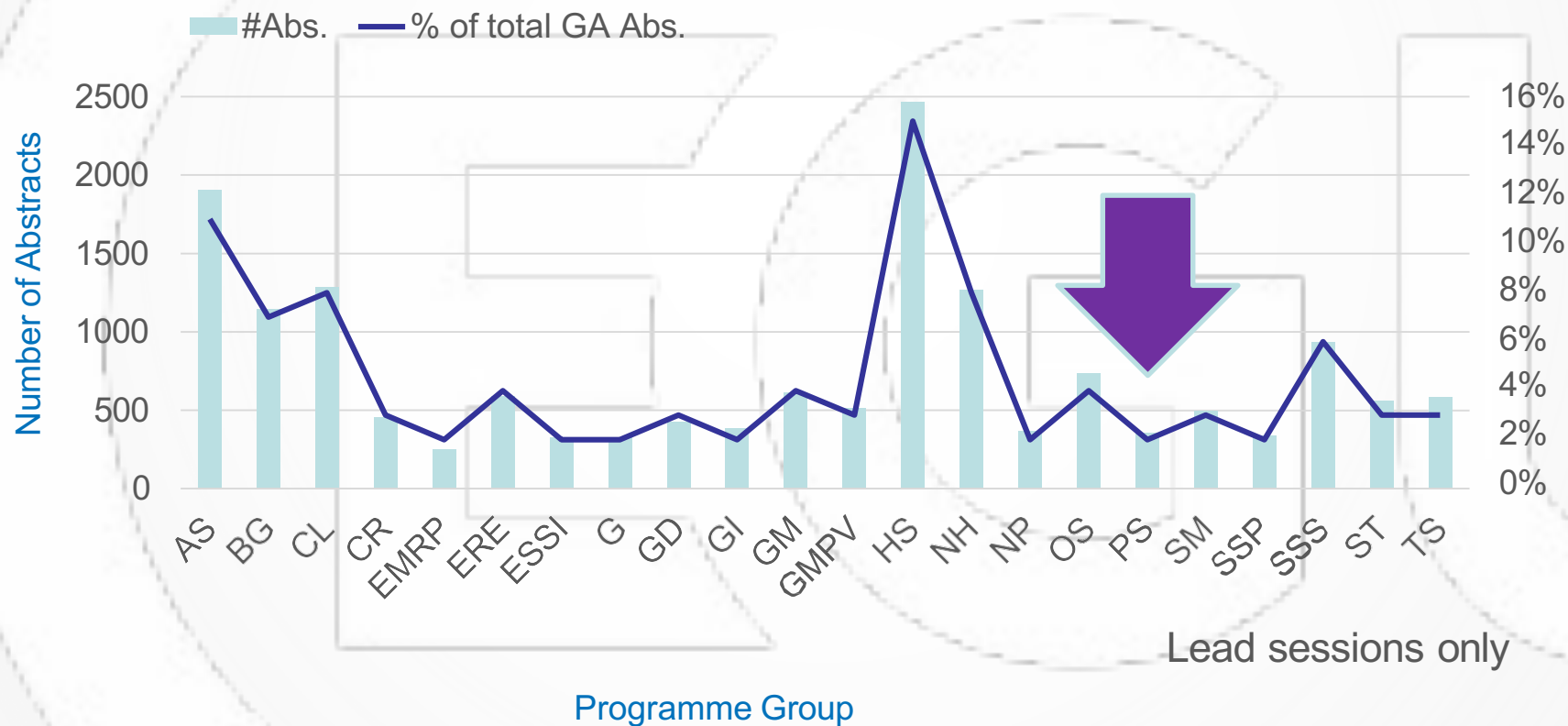
## EGU23 Session Statistics (as of 12 Apr)

- **925 active sessions:**
  - 629 division-led sessions, of which 25 ITS sessions
  - 14 Education and Outreach Sessions (EOS) + GIFT workshop
  - 51 Short Courses + 2 Artist in Residence workshops
  - 39 Medal and Award Lectures **(PS → Tue, 25 Apr, 19:00–20:00 Room M2)**
  - 5 Union Symposia and 6 Great Debates
  - 114 Townhall & Splinter meetings scheduled **(PS → SPM65, Wed. 16:15–18:00 Room 2.97)**
  - 52 sessions (incl. 4 SC) co-sponsored by sibling organizations
- ECS Networking, Science for Policy, and EDI Committee events

More on: <https://www.egu23.eu/>

## EGU23 Abstracts per Programme Group

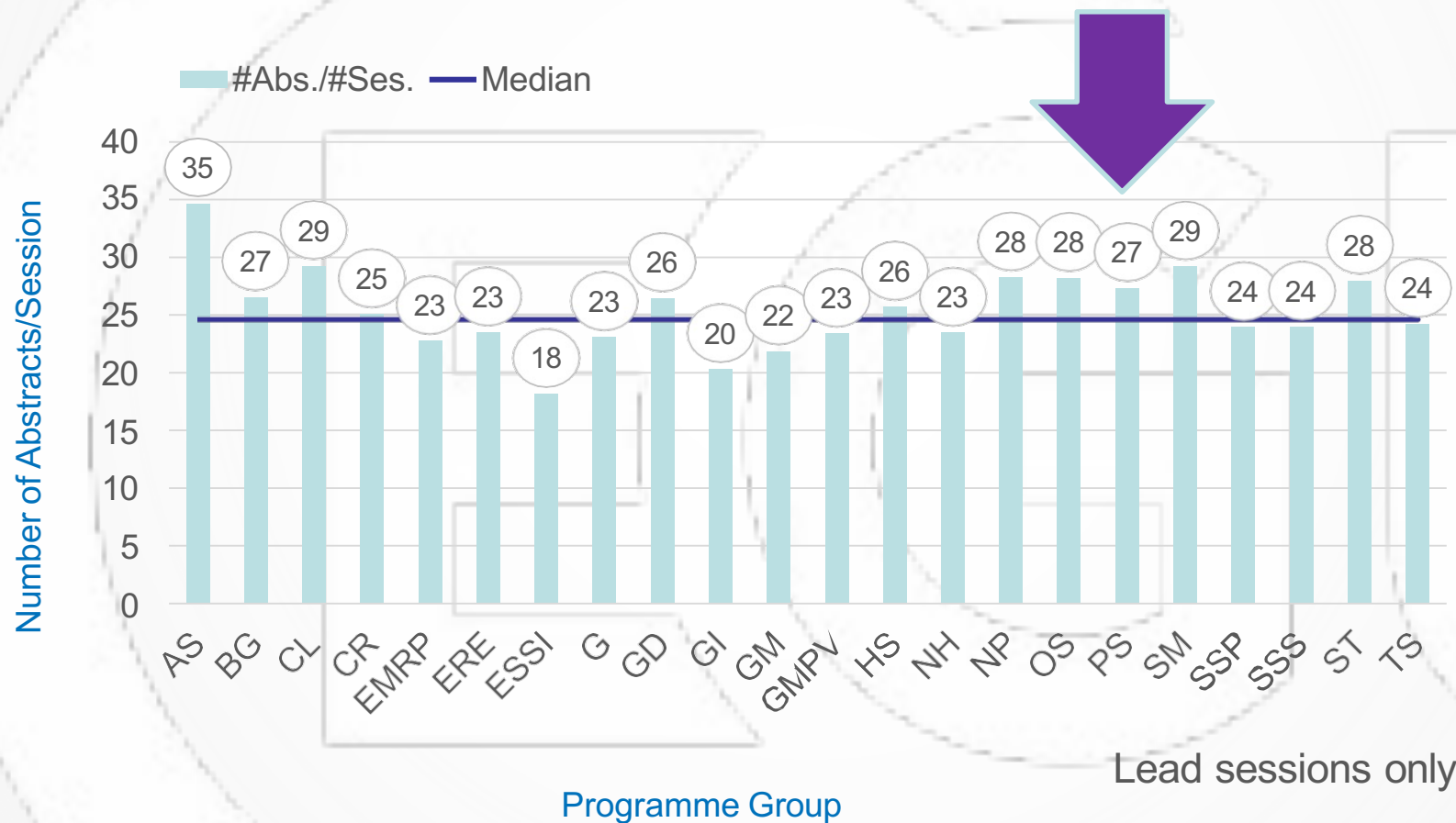
(as of 12 Apr)





## EGU23 Abstracts Per Session Per Programme Group

(as of 12 Apr)



## Union-Wide Events: Highlights

- **EGU e.V. Plenary:** Mon 24 Apr, 12:45–13:45 (CEST) Room E1
- **EGU Award & Medal Celebration:** Wed, 26 Apr, 17:30–19:30 (CEST) Room E1
- A broad programme of activities taking place throughout the week in addition to Division & ITS sessions:

### Union-wide

- Union Symposia (US)
- Great Debates (GDB)
- Medal & Award Lectures and Celebrations (MAL)
- Short Courses (SC)
- Education and Outreach Sessions (EOS)
- Networking (NET)
- Feedback and Administrative Meetings (FAM)

### Community-led

- Townhall Meetings (TM)
- Splinter Meetings (SPM)
- Lectures organized by related scientific societies (LRS)
- Pop-up networking events
- Pop-up exhibitor events

More on: <https://www.egu23.eu/>





## EGU Science for Policy

27 Tweets



Edit profile

### EGU Science for Policy

@EGU\_Policy

Encouraging stronger science-policy partnerships, sharing engagement opportunities and providing timely & relevant evidence to policymakers. Retweets ≠ agreement.

📍 Europe 🔗 [egu.eu/policy/](https://egu.eu/policy/) 📅 Joined April 2023

91 Following 96 Followers

# EGU Science for Policy Help Desk

The EGU Science for Policy Help Desk will be “OPEN” daily at the EGU Booth



SPM43


**A guided self-assessment of your science for policy competences ▶**


Conveners: Chloe Hill , Lene Topp 

★ Thu, 27 Apr, 10:45–12:30 (CEST)  Room 2.61

SPM45

**Drop in clinic: Communicating your science meaningfully & ethically ▶**

Convener: Chloe Hill 

★ Thu, 27 Apr, 10:45–12:30 (CEST), 14:00–15:45 (CEST)  Room 2.97





# Come and meet the EGU Biodiversity Task Force

Come and meet some of the  
Members of the Biodiversity Task  
Force & contribute to their work  
that provides information to  
policymakers

**At the EGU Booth on Thursday, 17:00 -17:45**



# Division Policy Officers & Points of Contact

Meeting for those Divisions who have a 'Policy Officers & Points of Contact' and those who are interested

SPM88

**EGU Division Policy Officer and Point of Contact Meeting (by invitation only) ►**

Convener: Chloe Hill 🔍

★ Wed, 26 Apr, 08:30–10:15 (CEST) ■ Room 2.43





## EGU23 Feedback Survey

Survey open until end of June

<https://www.egu23.eu/feedback>

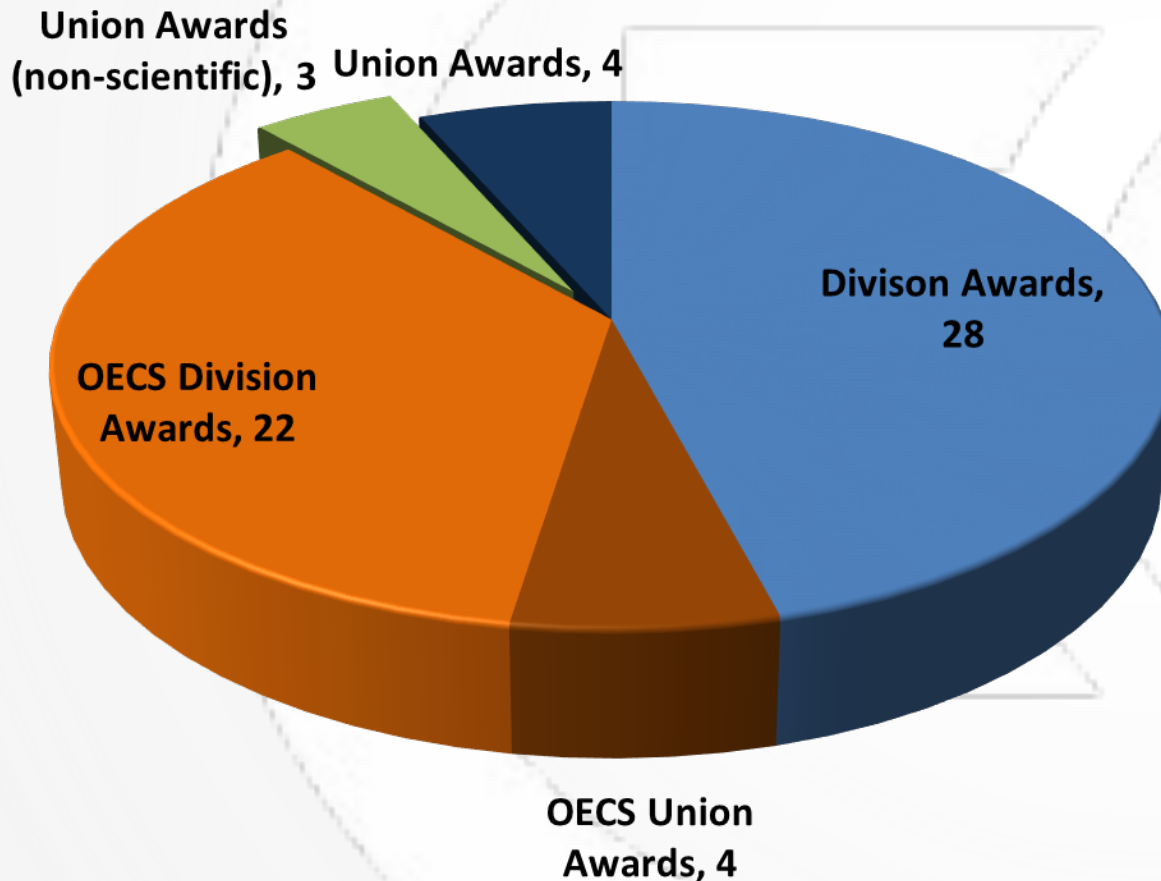
Mark Your Calendar!

**EGU General Assembly 2024**  
**14–19 April 2024**  
**Vienna, Austria & Online**



# EGU awards & medals

EGU features an extensive awards and medals programme on all career stages



## Awards

- 4 prestigious Union medals, recognising excellence in scientific research
- 4 Union awards for Outstanding Early Career Scientists, services for the Union, science journalism, and outreach
- 28 division medals, awarded for significant disciplinary contributions in Earth, planetary and space sciences
- 22 division awards for Outstanding Early Career Scientists and General Assembly awards for students





## EGU awards & medals

### 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\*\***.

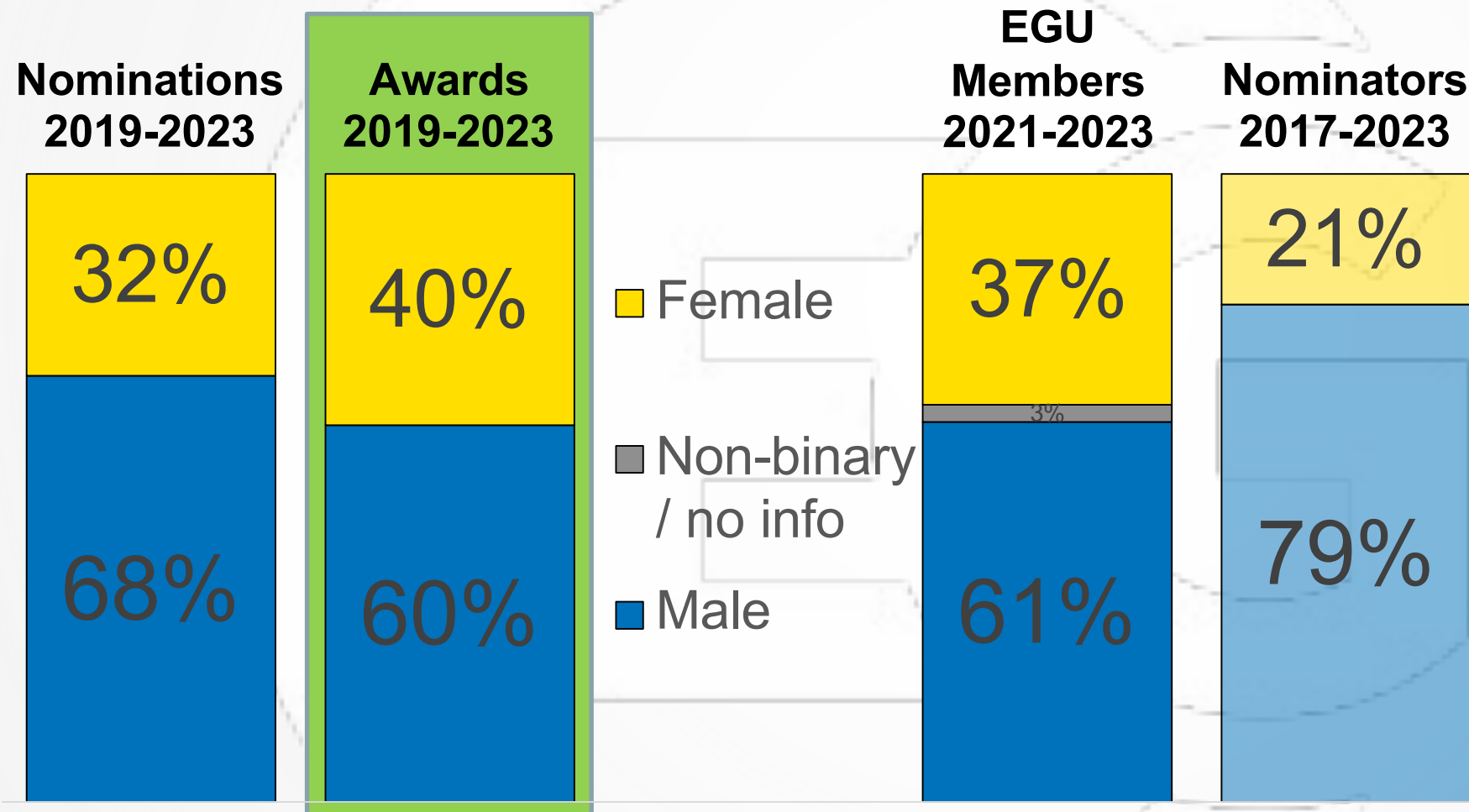
\* An exception is one award to promote excellence in journalism allowing nominations from non-members and self nominations

\*\* plus one medals each for journalism, outreach and service to the union



# EGU awards & medals

## Some statistics



### [EOS3.1](#)

Poster EGU23-2595  
**Equality of opportunities in geosciences: The EGU Awards Committee experience**

Thu, 27 Apr, 16:15-18:00  
Hall X2 | X2.2

**Meet the chair of the Awards Committee**  
(Thomas Blunier)  
Thu, 27 Apr, 14:00–14:30

EGU booth – Hall X2





# EGU awards & medals

## 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)	-

# Planetary and Solar System Sciences Awardees & Presentations

**Tim Lichtenberg**  
**Division Outstanding Early Career Scientist Award**

The 2023 Division Outstanding Early Career Scientist Award is awarded to Tim Lichtenberg for outstanding research in cosmochemistry and planet formation, with emphasis on volatile cycling between atmospheres and planetary interiors, and especially with regard to magma oceans.





# Planetary and Solar System Sciences Awardees & Presentations

**Tristan Guillot**  
**Runcorn-Florensky Medal**

The 2023 Runcorn-Florensky Medal is awarded to Tristan Guillot for fundamental contributions to the study of the formation, interior and atmosphere of giant planets and exoplanets, and for his inspirational leadership across multiple fields in planetary sciences.





# OSPP

**Outstanding Student and PhD candidate  
Presentation contest**

OSPP coordinator: Lena Noack

# 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 (~2000 participants)
- 2022: 66 awards, 2700 participants (~1:40)

## 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?

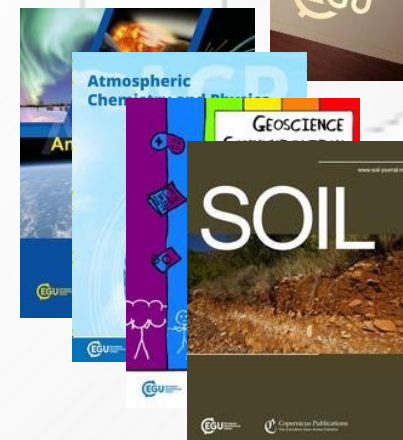
- first and presenting author
- either currently a BSc or MSc student or PhD candidate
- or last degree obtained in year of GA

## 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







# Planetary and Solar System Sciences OSPP Awardees

**Patrick Barth**

2023 Outstanding Student and PhD candidate  
Presentation Award for his presentation on:

***Nitrogen fixation by lightning and its role for early life on Earth and exoplanets***

in session PS10.1 “Life as a Planetary Phenomenon”





University of  
St Andrews



ÖAW



AUSTRIAN  
ACADEMY OF  
SCIENCES



IWF  
SPACE  
RESEARCH INSTITUTE





@ExoplanetMaster



pbfeu.github.io



pb94@st-andrews.ac.uk



Nitrogen fixation by lightning  
and its role for early life on  
Earth and exoplanets



Patrick Barth  (He/Him)  
PhD Student  
University of St Andrews  
Space Research Institute, ÖAW  
Graz University of Technology



with Eva Stüeken, Christiane Helling,  
Lukas Rossmann, Wendell Walters,  
Yuqian Peng, Mark Claire

EGU 2022 – Life as a Planetary  
Phenomenon – 27<sup>th</sup> May 2022





# Planetary and Solar System Sciences OSPP Awardees

**Rob Spaargaren**


2023 Outstanding Student and PhD candidate  
Presentation Award for his presentation on:

***Rocky exoplanet compositions and its effects on long-term planetary evolution***

in session PS3.3 “Dynamic, structural, and compositional evolution of Earth and rocky planets from their accretion to present”



ETH zürich



## Rocky exoplanet compositions and its effects on long-term planetary evolution

By: Rob Spaargaren\*  
Maxim Ballmer  
Stephen Mojzsis  
Haiyang Wang  
Paul Tackley

EGU  
Disseminating Research & PhD  
Candidate Presentations

EGU 2022 - PS3.3 | Bulk composition of terrestrial exoplanets

\* rob.spaargaren@erdw.ethz.ch  
Rob Spaargaren | 23.05.2022

[www.egu.eu/awards-medals/division-outstanding-ecs-award/2022/gregory-j-hunt/](http://www.egu.eu/awards-medals/division-outstanding-ecs-award/2022/gregory-j-hunt/)

# SOCIAL EVENTS organized by the PS division

**Sunday:** The Planetary Birl, our annual social meet-up, at Philosoph Bier Beisl [Judengasse 11, 1010 Wien], starting at 630pm.

**Monday:** Joint AS/PS/ST networking picnic, during lunchtime (12:30 - 14:00), in the park near the conference center), networking games included. Meet the incoming PS President at 2pm at the EGU booth (hall X2) in the "Meet EGU" area

**Tuesday:** PS division business meeting at 1245pm [Room 1.61/62]

**Tuesday:** Awards Ceremony Runcorn-Florensky Medal Lecture by Tristan Guillot & PS Division Outstanding ECS Award Lecture by Tim Lichtenberg at 7pm [Room M2].

**Tuesday:** ECS Networking Reception (union-wide event), 3rd floor foyer, 19:00 - 20:30.

**Thursday:** Cassini medal presentation at 1230pm Jean Dominique Cassini Medal Lecture by Athena Coustenis [Room E1].

**Thursday:** PS Awards Dinner at 7pm at Melker Stiftskeller [Schottengasse 3, 1010 Wien] *pre-registration, or see me*





# **EGU23**

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## **EGU Award & Medal Celebration**

**Wednesday 26 April,  
17:30-19:30 CEST**

**Room E1**





# **Union Symposium 4**

**Juggling parenting and caring responsibilities with a career in the geosciences: barriers and opportunities to increasing accessibility and inclusion**

**Tues. 25 April, 14:00-18:00 CEST  
Room E1**

**#EGU23**





# **Union Symposium 1**

**Managing compounding  
impacts from extreme events  
through societal crises**

**Wed. 26 April, 10:45-12:30 CEST**

**Room E1**

**#EGU23**





# **Great Debate 6**

## **Open access publishing: national strategies, challenges and solutions**

**Thurs. 27 April, 8:30-10:15 CEST**  
**Room E1**

**#EGU23**





# **Great Debate 4**

**Scientific Neocolonialism:  
tools and mechanisms to advocate  
and amplify the voices, knowledge and  
recognition of local knowledge in  
geoscience research**

**Thurs. 27 April, 10:45-12:30**

**CEST**

**Room E1**

**#EGU23**





# **Great Debate 1**

**The thrills and dangers of  
extending human impact beyond  
our planetary boundaries**

**Thurs. 27 April, 14:00-15:45  
CEST**

**Room E1**

**#EGU23**





# **Union Symposium 3**

**Challenges and solutions to increasing  
accessibility, representation, recognition  
and diversity of European countries in the  
European geosciences community**

**Fri. 28 April, 8:30-12:30 CEST  
Room E1**

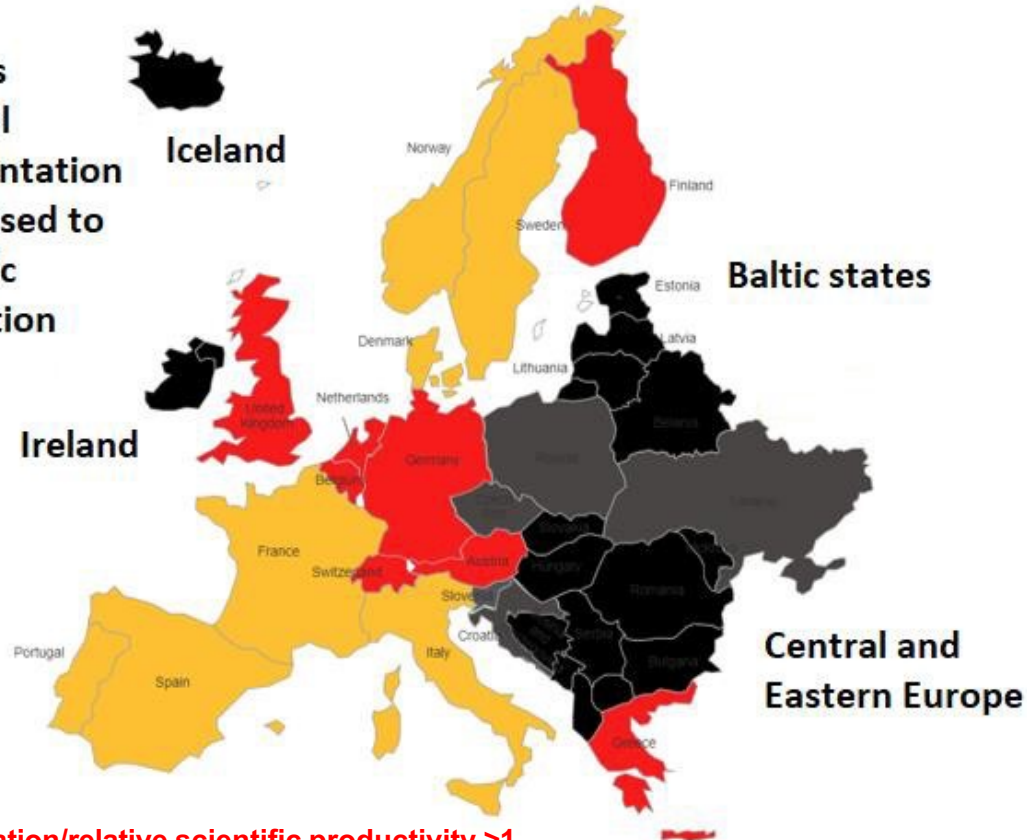
**#EGU23**



# Europeans and the EGU: who is missing?

European Geosciences Union

EGU journals editorial representation normalised to scientific production



relative representation/relative scientific productivity >1

relative representation/relative productivity >0.5 <1

relative representation/relative scientific productivity close to 0

As a European organisation EGU **must** expand its network and influence to **many** European countries, to gain access to new data and knowledge.

**We need you to join us! Outreach is needed for talent not to be wasted!**

**Union Symposium 3, Friday, 28 Apr, 08:30–12:30 (CEST) Room E1**

Dark zone:

**30%** of Europe's population

**16%** of the number of authors in

**Earth and Planetary sciences**

**12%** of scientific production in

Earth and Planetary sciences

**9%** of EGU presenters

**4%** of European Research Council (ERC) grantees in PE10

**2%** of EGU awards

**1%** of European editors in EGU journals

**< 1%** EGU leadership (1 division president)







Division

Planetary & Solar  
System Sciences

# PS division *officers* 2022-2023



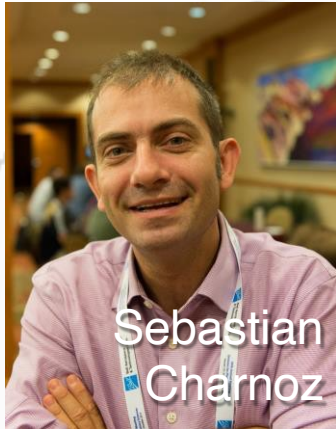
Steve  
Mojzsis

**CSFK, Hungary**  
President (21-23)



Anezina  
Solomonidou

**HSC, Greece**  
President-elect (23-25)



Sebastian  
Charnoz

**IPGP, France**  
Science Team



Tricia  
Clay

**U Manchester, UK**  
Science Team



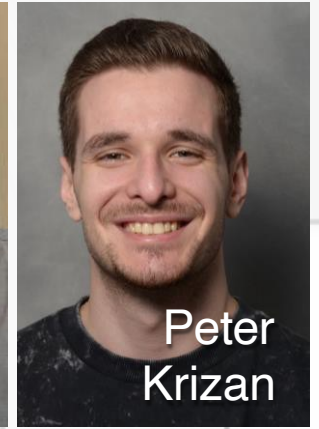
Gregor  
Golabek

**BGI, Germany**  
Science Team



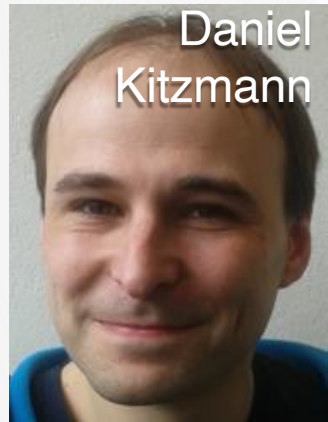
Tristan  
Guillot

**OCA, France**  
Science Team



Peter  
Krizan

**RHUL, UK**  
ECS outreach coordinator



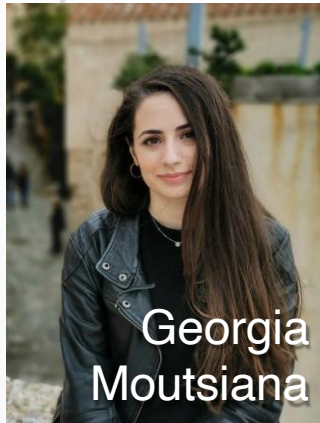
Daniel  
Kitzmann

**Uni Bern, CH**  
Science Team



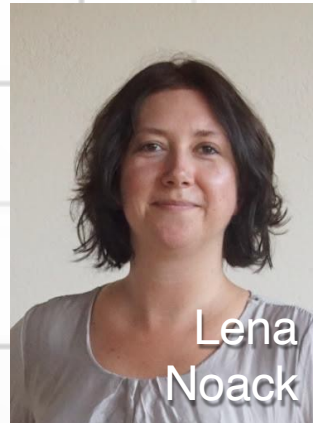
Maria  
Gritsevitch

**U. Helsinki, Finland**  
Science Team



Georgia  
Moutsiana

**UoA, Greece**  
ECS representative



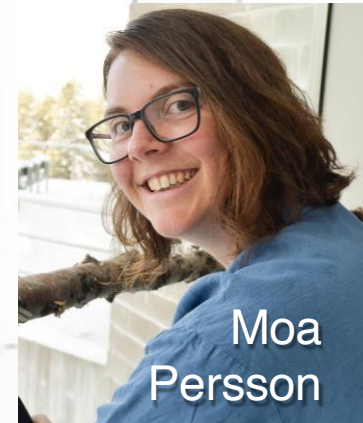
Lena  
Noack

**F-UB, Germany**  
Science Team



Sarah  
Rugheimer

**York U., Canada**  
Science Team



Moa  
Persson

**U Tokyo, Japan**  
Space Weather & Weathering



Josh  
Dreyer

**IRF, Sweden**  
Outreach Advisor





Division

Planetary & Solar  
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# PS Awards & Medals Committee 2023+



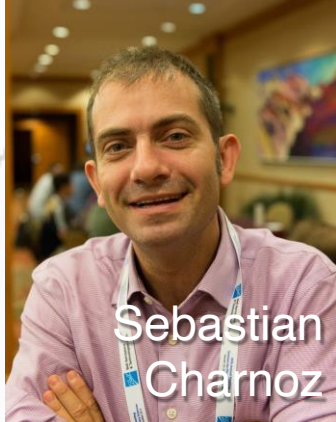
Emma  
Bunce

**U Leicester, UK**  
A&M committee



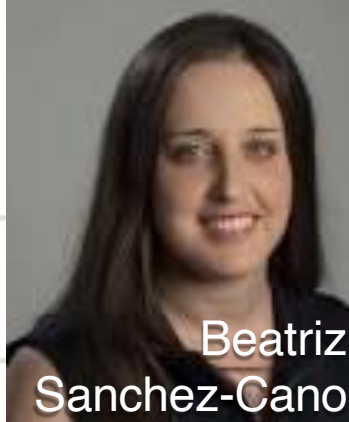
Joana  
Oliveira

**ESA**  
A&M committee



Sebastian  
Charnoz

**IPGP, France**  
Science Team



Beatriz  
Sanchez-Cano

**U Leicester, UK**  
A&M committee



Tristan  
Guillot

**OCA, France**  
A&M CHAIR



# Division Vote

## By show-of-hands





Division

# Planetary & Solar System Sciences

Special thanks to our emeritus Science Officers



Ingrid  
Mann

**UiT, Norway**  
Science Team  
Until 2022



Tim  
Van Hoolst

**KUL, Belgium**  
Awards Committee Chair  
Until 2023

We are very grateful for your service to our division.

Thank you!





Division

# Planetary & Solar System Sciences

[www.egu.eu/ps/structure/](http://www.egu.eu/ps/structure/)

**President**

**Anezina Solomonidou (2023-2025)**

**Deputy President**

**Stephen J. Mojzsis (2023-2024)**

**PS Programme Group Chair**

**Anezina Solomonidou**

**Science Officers**

**Maria Gritsevich**

*Small Bodies (dwarf planets, asteroids, comets) to Dust*

**Patricia Clay**

*Meteorites, Planetary Geochemistry*

**Moa Persson**

*Space weather & space weathering*

**TBN**

*Giant Planets, Outer Solar System*

**Gregor Golabek**

*Terrestrial Planets Systems*

**Sebastian Charnoz**

*Terrestrial Planets Systems*

**Daniel Kitzmann**

*(Exo)planet Atmospheres*

**Sarah Rugheimer**

*Astrobiology*

**Awards & Medals Chair**

**Awards & Medals Committee**

**Tristan Guillot**

**Joana Oliveira**

**Beatriz Sanchez-Cano**

**Emma Bunce**

**Sebastian Charnoz**

**OSPP Coordinator**

**Lena Noack**

**ECS Representative**

**ECS Outreach Coordinator**

**ECS Advisor**

**Georgia Moutsiana**

**Peter Krizan**

**Josh Dreyer**

**Webmaster**

**Blog Manager**

**TBN**

**TBN**







Division

Planetary & Solar  
System Sciences

Welcome our new PS  
President (2023-2025)

**Hellenic Space Center**

**The Greek Space  
Agency**



**Dr Anezina Solomonidou**

Planetary Geologist

**Present:** Hellenic Space Center (HSC), Athens, Greece  
Senior Scientist

**2020-2021:** Caltech, California, USA  
Research Fellow

**2018-2020:** European Space Agency (ESA), Madrid, Spain  
Research Fellow

**2014-2018:** Jet Propulsion Laboratory (JPL), California, USA  
Postdoctoral Fellow

**2009-2013:** Paris Observatory – Meudon, Paris, France  
PhD





Division

Planetary & Solar  
System Sciences

**A big THANK YOU**  
to all my EGU colleagues for electing me  
President of the PS Division

**VISION for our Division**  
**2023 – 2025**





Division

Planetary & Solar  
System Sciences

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

MAIN Goal to accomplish: **GROWTH**



Increase attendance for PS within  
EGU / Represent PS within EGU





# 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**





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...







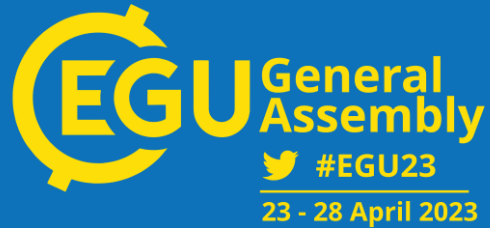
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Planetary & Solar  
System Sciences

# Social Media Strategy

# HOW?

## Press Strategy



# Conferences & Press Releases







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# AIM TO

→ **Gender Balance**



→ **Early Career Scientists**



→ **Underrepresented  
countries**





Division

Planetary & Solar  
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**Thank you again  
to all my EGU colleagues for  
trusting me to lead  
the PS Division**

CONTACT ME



**[anezina.solomonidou@hsc.gov.gr](mailto:anezina.solomonidou@hsc.gov.gr)**

***Let's break new ground together and give PS the voice it  
deserves!***




# Any Other Business Public Comments



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





Adjourn

