

# Planetary & Solar System Sciences Division Meeting

Stephanie Werner

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2018 General Assembly



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

## AGENDA

- GA 2018 & PS Program
- Publications
- Medals/Awards
- PS Office
- ECS
- The EGU future plans



## EGU General Assembly 2018 facts

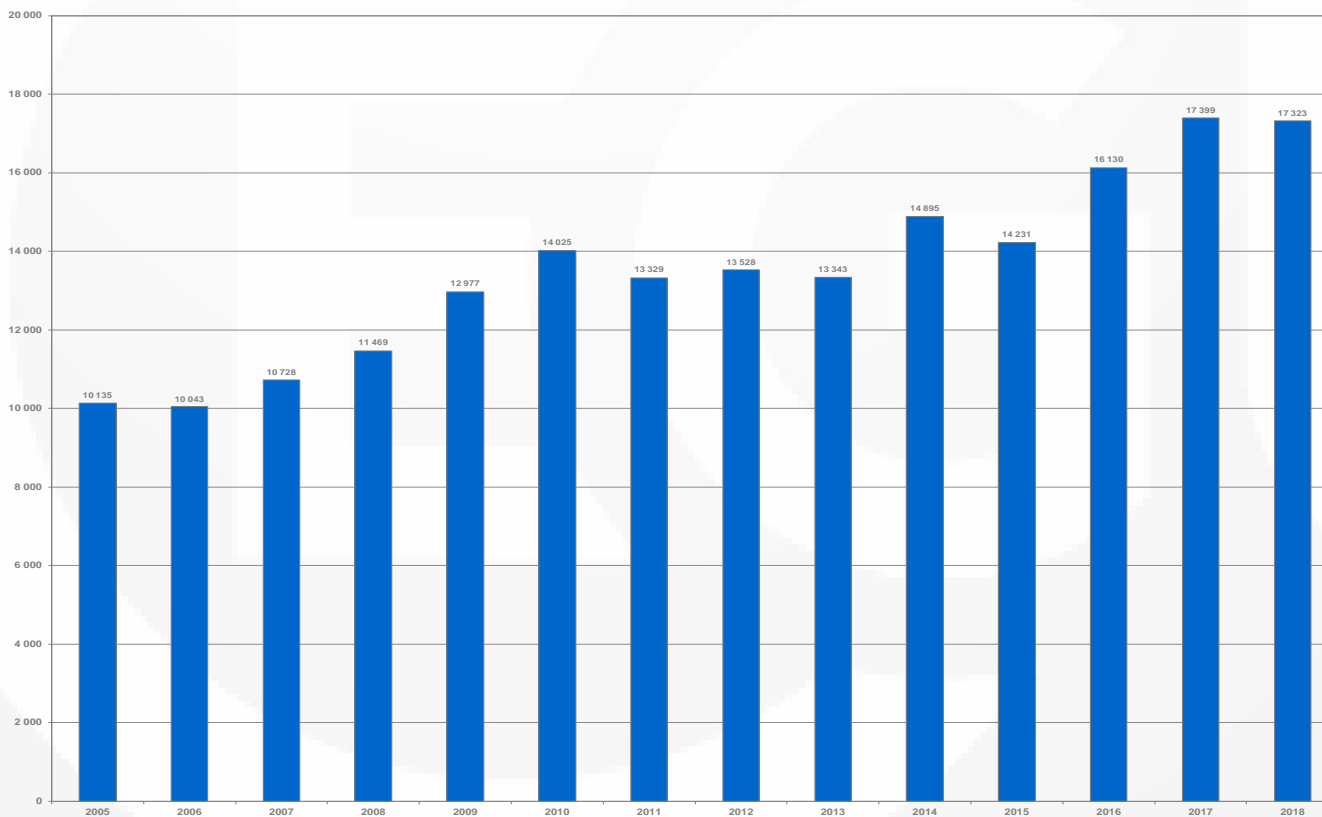
**As of 5 April (12:45), the Assembly 2018 provides:**

- 17,323 papers in programme | -0.44% (2017)
- 4,776 orals | 11,128 posters | 1,419 PICOs | ratio 28 / 64 / 8
- 12,733 registrations in advance | +12.37% (2017)
- 666 unique scientific sessions | 68 short courses | 294 side events\*
- 433 out of 666 scientific sessions are co-organized (65%)
- The 433 co-organized include 20 IE sessions with 459 presentations
- Original sessions: 1,355; 1,028 still active, 327 withdrawn
- Withdrawn: 309 scientific sessions, 7 SC, and 11 side events

\*Side events include the programme groups ML, PCN, FAM, TSM, SEV, PC, PPAA

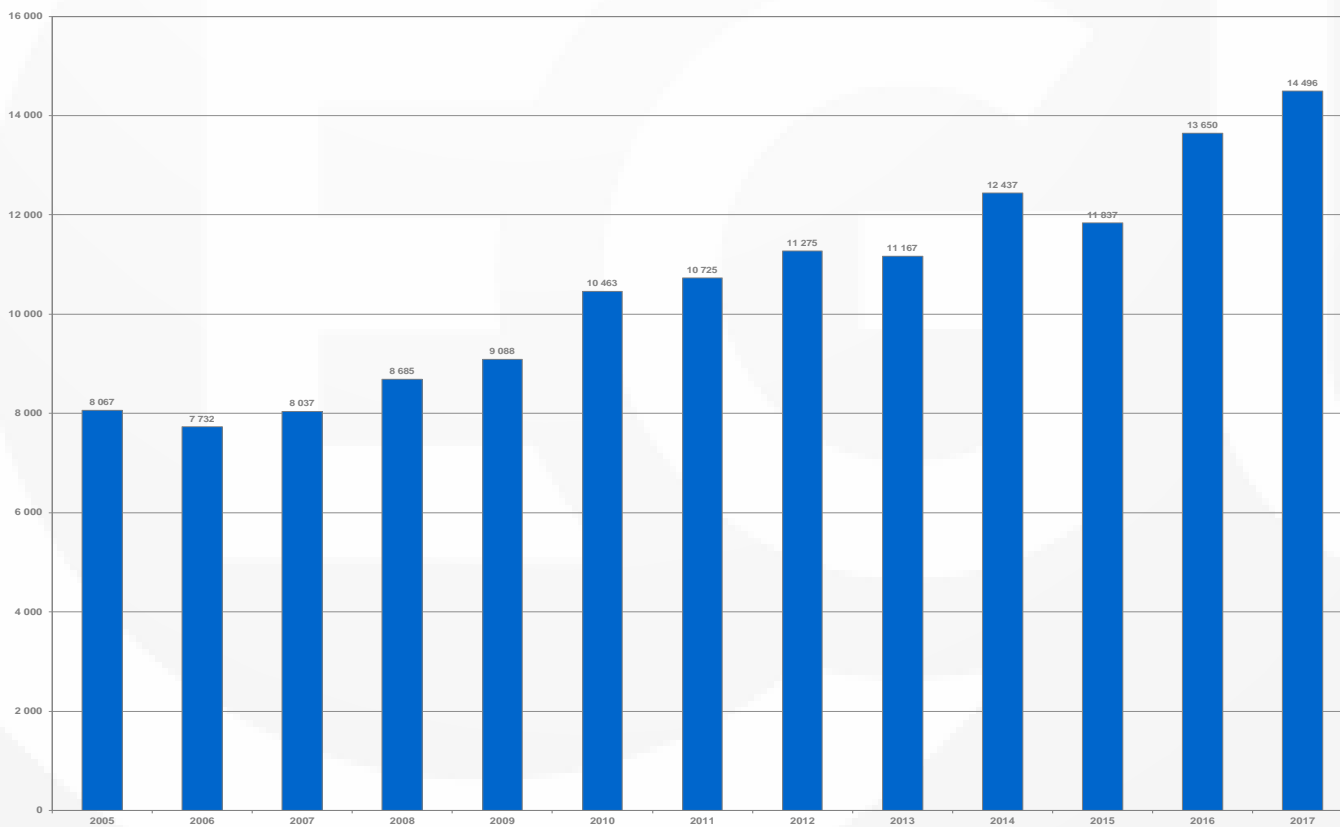


## Papers in programme 2005–2018





## Participants at EGU General Assemblies 2005–2017





## Programme group statistics

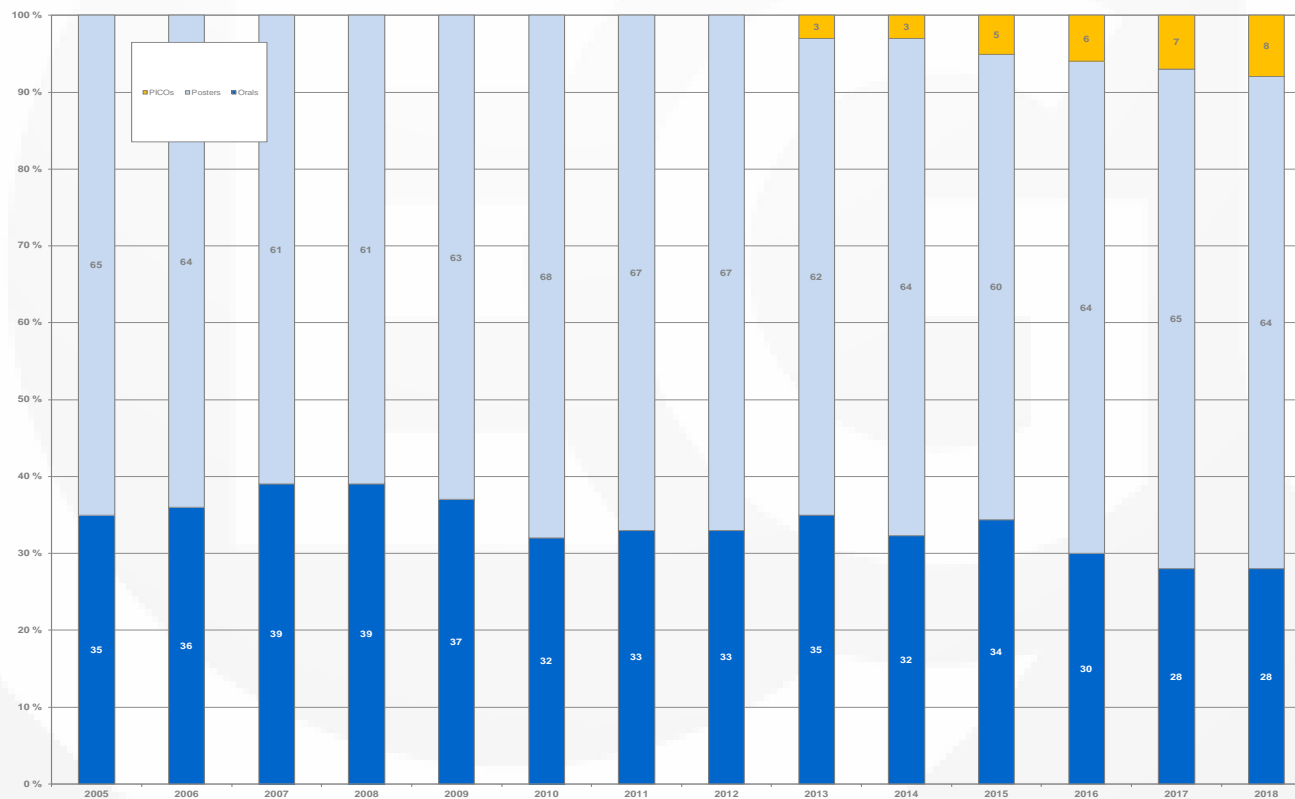
Active scheduled	777
Granted supports	None: 774 (100%) ESTS: 1 (0%) ECSTS: 2 (0%)
Presentations	Posters: 460 (59%) Orals: 226 (29%) PICO: 91 (12%)
Author identification specifics	ECS: 320 (41%)

## Meeting statistics

Active scheduled	17,242
Granted supports	None: 16,961 (98%) ESTS: 16 (0%) ECSTS: 265 (2%)
Presentations	Orals: 4,774 (28%) PICO: 1,412 (8%) Posters: 11,056 (64%)
Author identification specifics	ECS: 8,931 (52%)

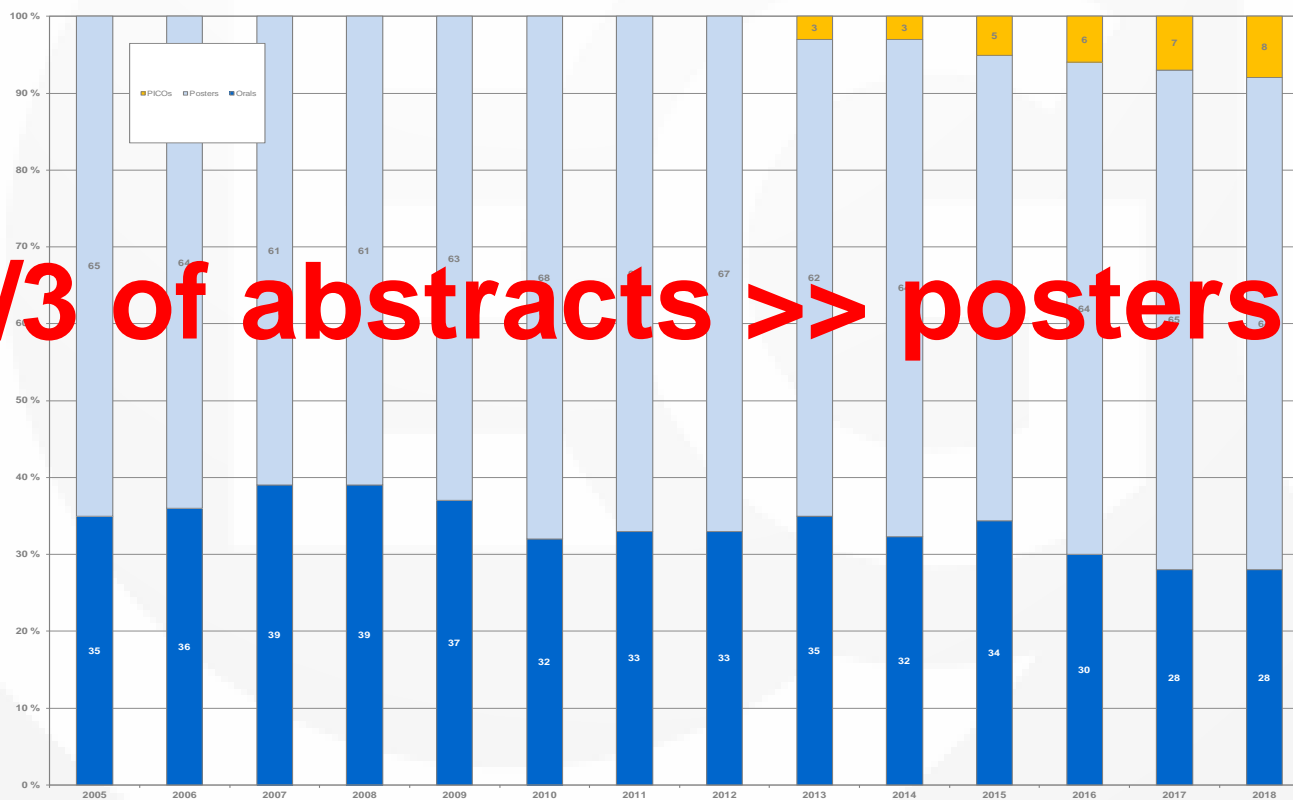


## Presentation ratio 2005–2018





## Presentation ratio 2005–2018

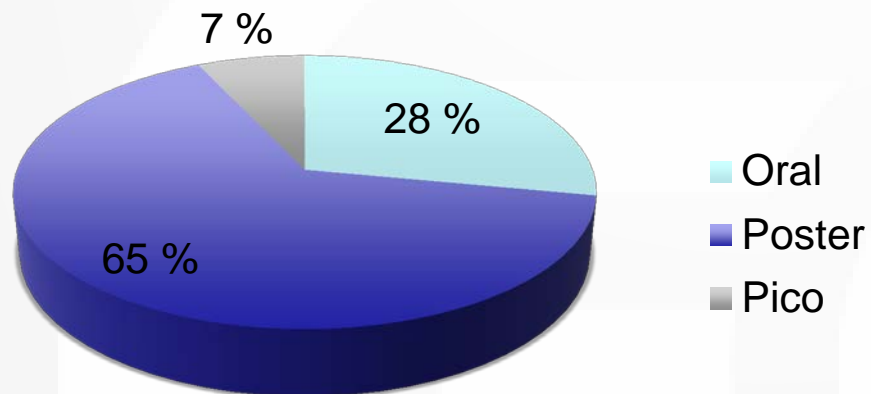


**2/3 of abstracts >> posters**

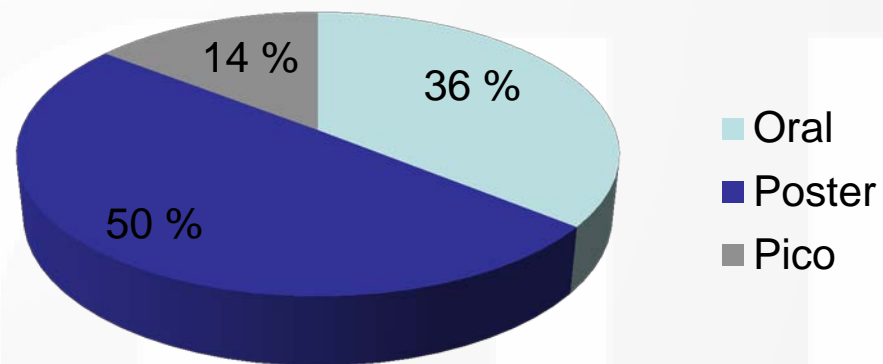


## PS lead sessions/abstracts: Observations

**EGU**



**PS**



**EGU**

Oral	28%
Poster	65%
Pico	7%

**PS**

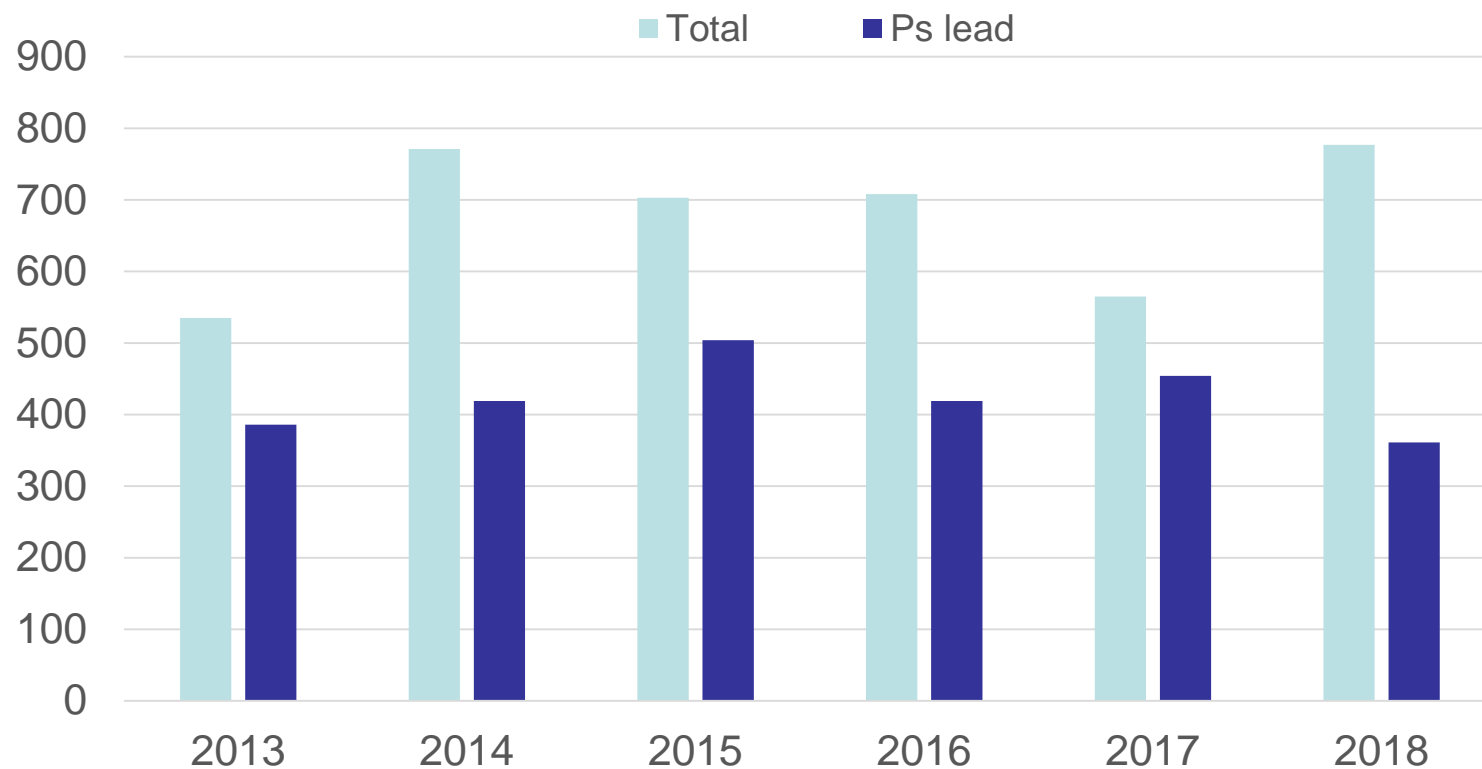
Oral	36%
Poster	50%
Pico	14%



# European Geosciences Union General Assembly 2017

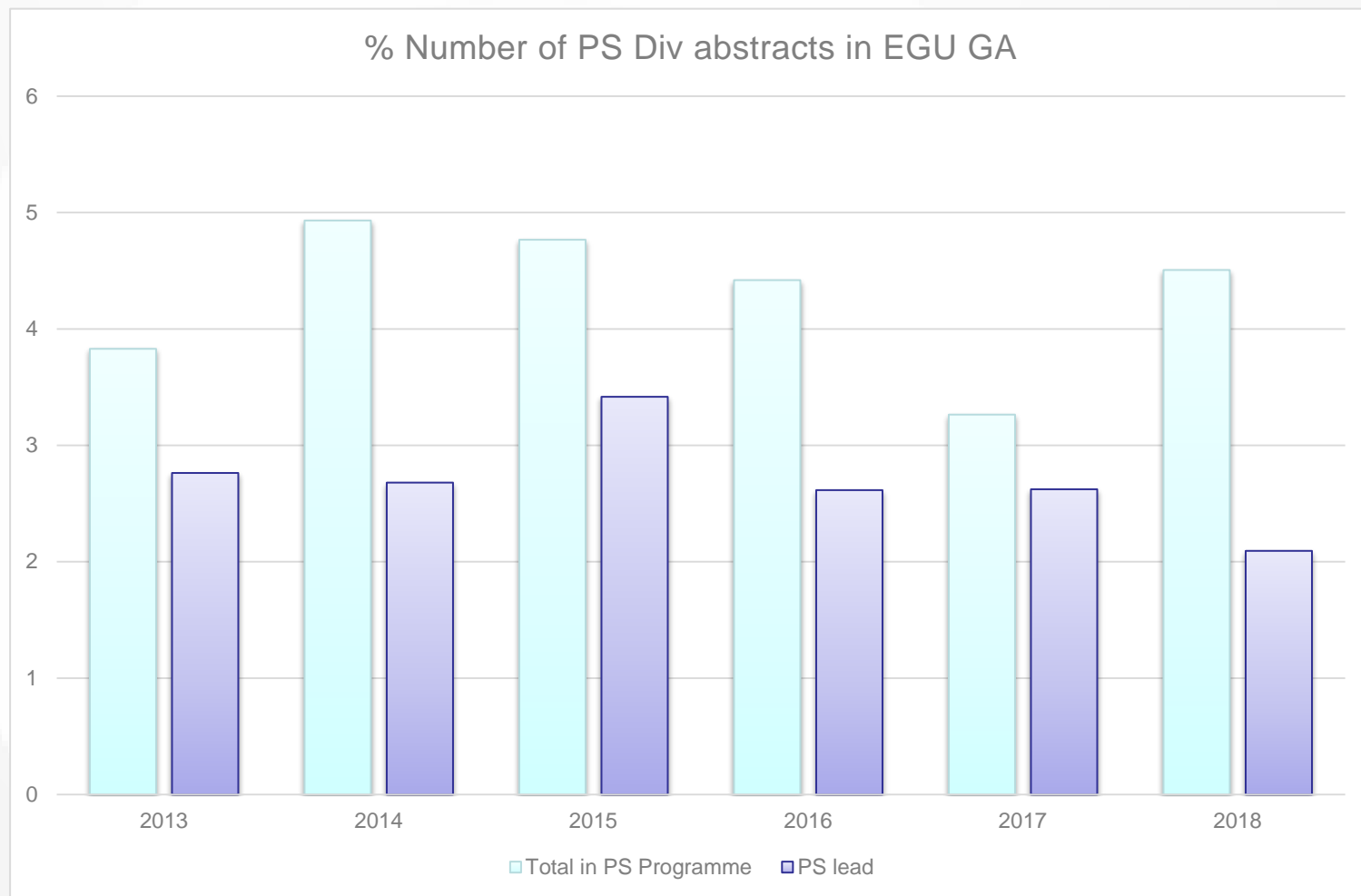
Vienna | Austria | 23–28 April 2017

EGU.eu



	2013	2014	2015	2016	2017	2018
<i>PS Lead</i>	386	419	504	419	454	361
<i>Total</i>	535	771	703	708	576	777

## PS lead sessions/abstracts: Observations





# European Geosciences Union General Assembly 2017

Vienna | Austria | 23–28 April 2017

EGU.eu



## **Union Symposia and Great Debates**

US 2 - The future of Earth and Planetary Observations from Space  
Monday 13:30 - 17:00 Room E1

US 3 - Cassini and future perspectives for the exploration of the outer solar system  
Thursday 8:30 - 12:00 Room E1

GDB 5 - Natural versus anthropogenic threats for life on Earth  
Thursday 13:30 – 15:00 Room E1

- Measures to reduce environmental impact of the General Assembly (e.g. CO2 emission offset, water bottles)
  - Poet-in-residence
  - Cartoonist-in-residence
- } <https://blogs.egu.eu/geolog/>
- Public lecture, Th 19:00, Natural History Museum
  - Lecture rooms staffed at lunch breaks
  - OSPP ‘volunteer to judge’
- X2.176 [EGU2018-6621](#) | OSPP: [volunteer to judge](#)  
★ **Modelling the Wilson Cycle: How to NOT initiate subduction at the passive margin**  
*Stephane Beaussier, Taras Gerya, and Jean-Pierre Burg*
- 5 US, 4 GDB, 60 SMI, 60 SMP, 15 TM
  - 70 short courses. New SC co-chair needed for GA19-GA23
  - Mentoring programme matched 153 mentees with 97 mentors (ca 70 mentees unmatched – need more mentors!)

- No solicited presentations by conveners: “Authors (first and co-authors) should not have a solicited presentation in a session they (co-)convene. (Co)-conveners should not be presenting author, and are discouraged from being co-author, on oral presentations in a session they convene.”
- 1 abstract rule: “Authors are allowed as first author to submit either one regular abstract plus one abstract solicited by a convener, or two solicited abstracts.”
- Number of conveners on a session: At session submission minimum 2 – maximum 5
- Number of convenerships as a recommendation: 1 as main convener, maximum 3 (co-)convenerships total



## GA 2019 timeline

01 Jun – 21 Jun 18	Call-for-skeleton. Only sub-programme structure (headers), no sessions
25 Jun – 13 Sep 18	Public call-for-sessions Includes GDB and US
17 Sep – 12 Oct 18	Session programme finalization
11 Oct 18	PC Meeting Ismanning
15 Oct 18 – 10 Jan 19	Abstract submission

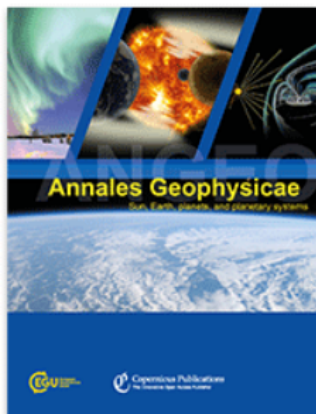
# PS Publications

# Annales Geophysicae

Sun, Earth, planets, and planetary systems

An interactive open-access journal of the European Geosciences Union

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OPEN  
ACCESS



ARTICLE LEVEL  
METRICS



MODERATE ARTICLE  
PROCESSING CHARGES

**Editors-in-chief: Ioannis A. Daglis & Christoph Jacobi**

Annales Geophysicae (ANGEO) is an international, multi- and inter-disciplinary scientific open-access journal in the field of solar-terrestrial and planetary sciences. ANGIO publishes original articles and short communications (letters) on research of the Sun-Earth system, including the science of space weather, solar-terrestrial plasma physics, the Earth's ionosphere and atmosphere, the magnetosphere, and the study of planets and planetary systems, the interaction between the different spheres of a planet, and the interaction across the planetary system. Topics range from space weathering, planetary magnetic field, and planetary interior and surface dynamics to the formation and evolution of planetary systems.



## Search articles



## Search web pages



## News



### Transition of ANGIO to an interactive journal

From January 2018 on, Annales Geophysicae (ANGEO) will change to an interactive open-access journal applying the public peer review and interactive public discussion concept. In addition, the EGU Planetary and Solar System Sciences Division will be represented through an extension of ANGIO's subject areas. ►

07 Dec 2017

## Publications

Below are the EGU's Open Access peer-reviewed journals relevant to the Planetary and Solar System Sciences division. For a complete list of EGU journals, click [here](#).



### Annales Geophysicae (ANGEO)

IF 1.676

Annales Geophysicae (ANGEO) is an international, multi- and inter-disciplinary scientific journal for the publication of original articles and of short communications (Letters) for the sciences of the Sun-Earth system, including the science of Space Weather, the Solar-Terrestrial plasma physics, and the Earth's atmosphere.

■ [Homepage](#) ■ [Recent Papers](#) ■ [Editorial Board](#)

## ANGEO PS Executive Editor



Ingrid Mann  
University of Tromsø

# AWARDS

AWARDS & MEDALS

## Runcorn-Florensky Medal

This medal was established by the Planetary and Solar System Sciences Division in recognition of the scientific achievements of Keith Runcorn and Cyril Florensky. It is awarded to scientists for their exceptional contributions to planetology, defined in its widest sense.




The 2018 Runcorn-Florensky Medal is awarded to Yves Langevin for his excellent contributions to a number of space missions in which he has played a decisive role from the very beginning.

ML28/PS Tue 10:30 – 11:30  
Room 1.61

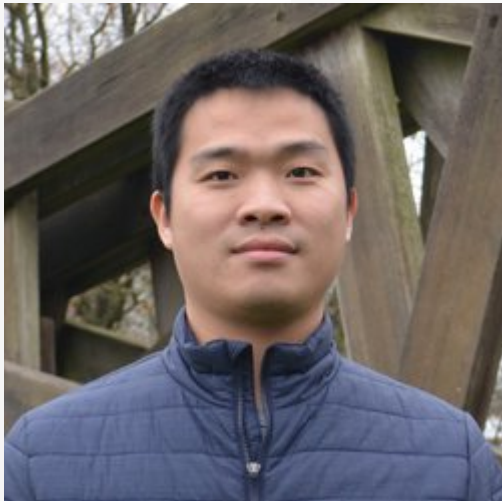




A wide-angle photograph of a large conference hall. The stage is at the far end, featuring a large screen displaying the EGU logo. The audience is seated in rows of chairs, facing the stage. The walls are decorated with large, colorful abstract patterns in blue and green.

AWARDS & MEDALS

## Arne Richter Award for Outstanding Early Career Scientists



The 2018 Arne Richter Award for Outstanding Early Career Scientists is awarded to Zhonghua Yao for his crucial role in the identification of processes leading to the transfer and dissipation of energy in solar system planets, and for emphasising the importance of comparative planetary sciences.

ML7/PS Wed 09:15 – 09:45  
Room 1.61

AWARDS & MEDALS

## David Bates Medal

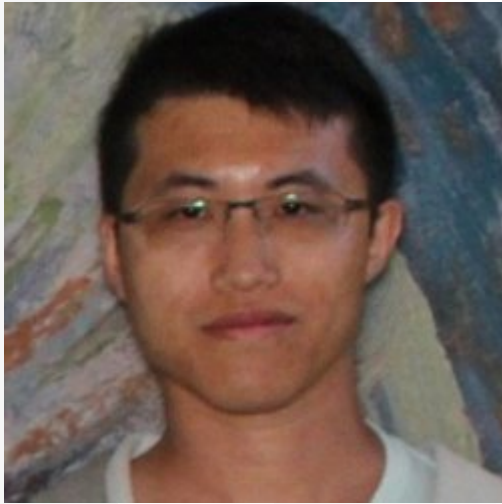
This medal was established by the Planetary & Solar System Sciences Division in recognition of the scientific and editorial achievements of Sir David Robert Bates. It is awarded to scientists for their exceptional contributions to planetary and solar system sciences.



The 2018 David Bates Medal is awarded to Bruno Bézard for his pioneering analysis of spectroscopic observations to characterise planetary atmospheres.

ML11/PS Fri 08:30 – 09:30  
Room M2





### PS Planetary and Solar System Sciences

The 2017 Outstanding Student Poster and PICO (OSPP) Awards is awarded to Ruilong Guo for the poster entitled: *Observation of flux ropes in dayside magnetosphere at Saturn* (Guo, R.; Yao, Z.; Wei, Y.)

Ruilong Guo is a postdoc researcher in Institute of Geology and Geophysics, Chinese Academy of Sciences. He studies the dynamics in the magnetosphere of giant planets. Using the measurements from the Cassini spacecraft, he presented the observations of flux rope-like structures at pre-noon sector of Saturnian magnetosphere, and built a model to illustrate the three-dimensional structure of the flux rope, which would bring new sight of understanding the magnetospheric dynamics in fast rotating planets.



## Jean Dominique Cassini Medal & Honorary Membership

The Jean Dominique Cassini Medal & Honorary Membership of the EGU, form one of the three equally-ranked most prestigious awards made by the Union, and they are reserved for scientists who have achieved exceptional international standing in planetary and space sciences, defined in their widest senses, for their merit and their scientific achievements.

**Not awarded this year!**

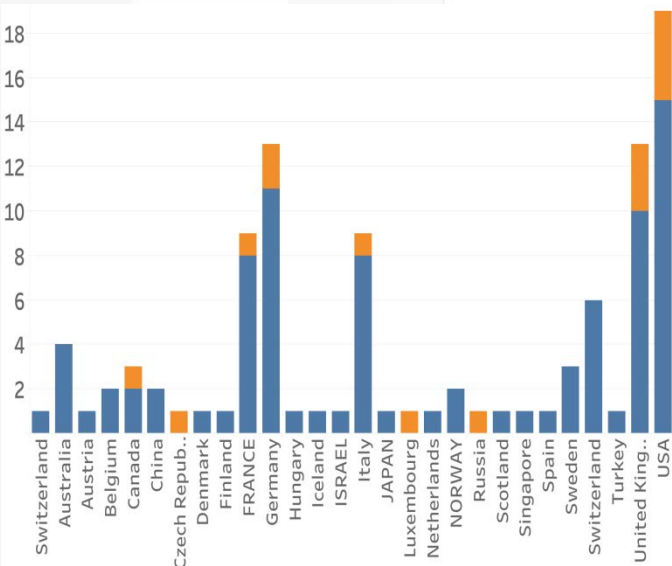


## Nominations

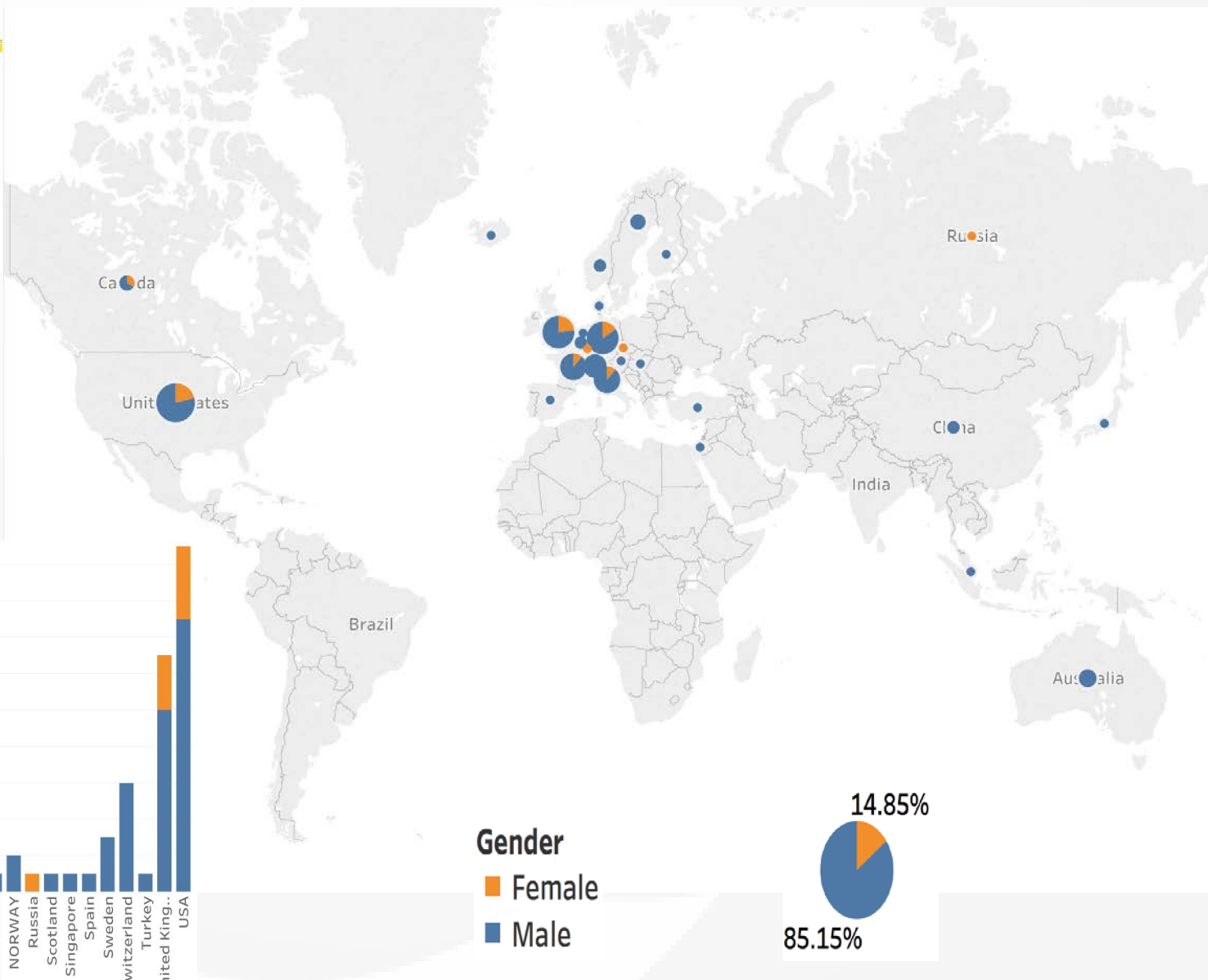
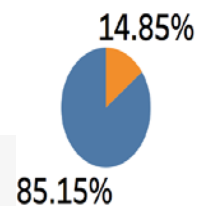
- Quality of nominees and the diversity are essential to maintain the prestige EGU A&M.
- Nominations for all the medals and awards are to be submitted online by 15 June of each year (absolute deadline). Check the EGU website for further information:

<https://www.egu.eu/awards-medals/proposal-and-selection-of-candidates>

- Please, read the best practice recommendations

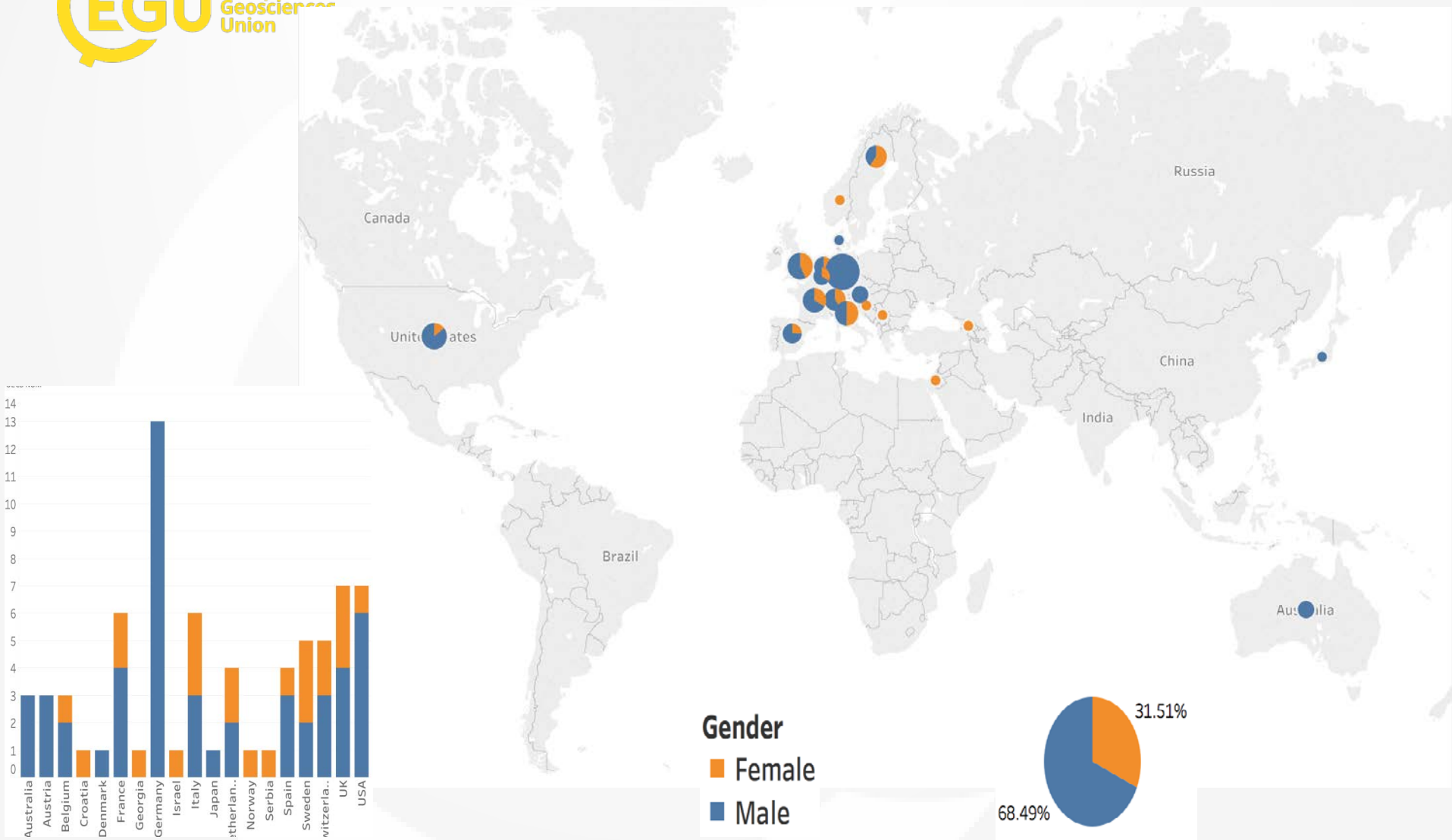


**Gender**  
 Female  
 Male



# Nominations for 2018 Union and Division Medals





# Nominations for 2018 Division OECS awards

## Medal Committees

### **David Bates Medal (PS)/ Runcorn-Florensky Medal (PS)**

Tilman Spohn (Chair)

Sushil Atreya

Cathy Quantin-Nataf

Bruno Bézard >>

Hans Rickman

Jean-Pierre Lebreton

### **Jean Dominique Cassini Medal (Union)**

Jonathan I. Lunine (Chair)

Luciano Iess

Francois Raulin >>

Glenn Orton

Tuija Puikinen

Michel Mayor

>>

Stamatis Krimigis

Mioara Manda

# The Angioletta Coradini Conference Series on Solar System and Planetary Processes.

### **Description of Conference series:**

The Angioletta Coradini Conference Series of the European Geosciences Union promotes novel and innovative research related to all aspects of space research, in particular chemical and physical processes and their interactions with the Sun, other host stars, the heliosphere and astrospheres with the planetary magnetospheres, atmospheres and climate.

Proposals for the Angioletta Coradini Conference Series are welcome at any time and should be submitted to the Topical Events Committee.

### **Divisions involved:**

Solar-Terrestrial Sciences (ST), Planetary Sciences (PS), Geodesy (G), Atmospheric Sciences (AS), Climate: Past, Present, Future (CL), Earth and Space Science Informatics (ESSI), Earth Magnetism & Rock Physics (EMRP).

# PS STRUCTURE



**PS** PLANETARY AND SOLAR SYSTEM SCIENCES

## Structure

[Home](#) / [PS](#) / [About](#) / [Structure](#)

### President

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Ingrid Mann

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Olivier Mousis ([olivier.mousis@lam.fr](mailto:olivier.mousis@lam.fr)) >>

Athena Coustenis

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Lee Grenfell

Space Weather, Climate, Habitability, and Life in (Exo-) Planetary Context

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PS PLANETARY AND SOLAR SYSTEM SCIENCES

## Structure

David Bates Medal Chair

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Runcorn-Florensky Medal Chair

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ECS Representative

Maike Neuland

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# PS Early Career Scientists Update

**Maike Brigitte Neuland– ECS Representative 2016-2018**  
**2018 – 2020 (?)**



EGU General Assembly, 2018

04 April 2018



Elodie Gloesener



Cédric Gillmann



Baptiste Journaux



Maxime Maurice



Diana Boy



Loïc Rossi



Ruth-Sophie Taubner



EGUPSDivision



EGU\_PS

<http://www.egu.eu/ps/young-scientists>





## Definition of ECS

An Early Career Scientists (ECS) is an undergraduate or postgraduate (Masters/PhD) student or a scientist who has received his or her highest degree (BSc, MSc, or PhD) within the **past seven years**\*

*\* Provided parental leave fell into that period, up to one year of parental leave time may be added per child, where appropriate.*





## ECS in the PS division

ECS PS activities 2017-2018:

- **Website** <http://www.egu.eu/ps>
- **Twitter** EGU\_PS
- **Facebook** EGUPSDivision
- **Blog**

Is currently paused due to lack of time and lack of writers



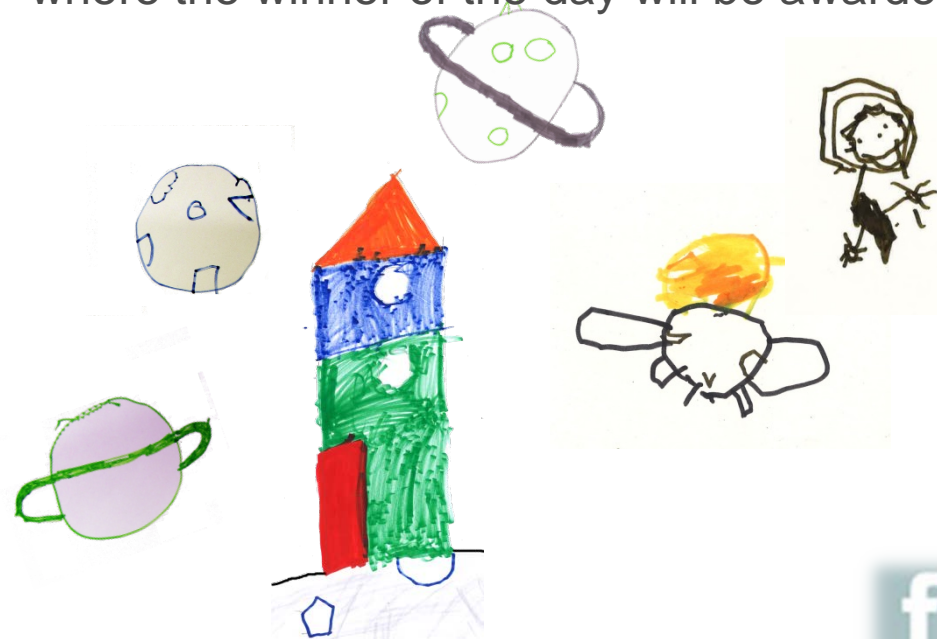


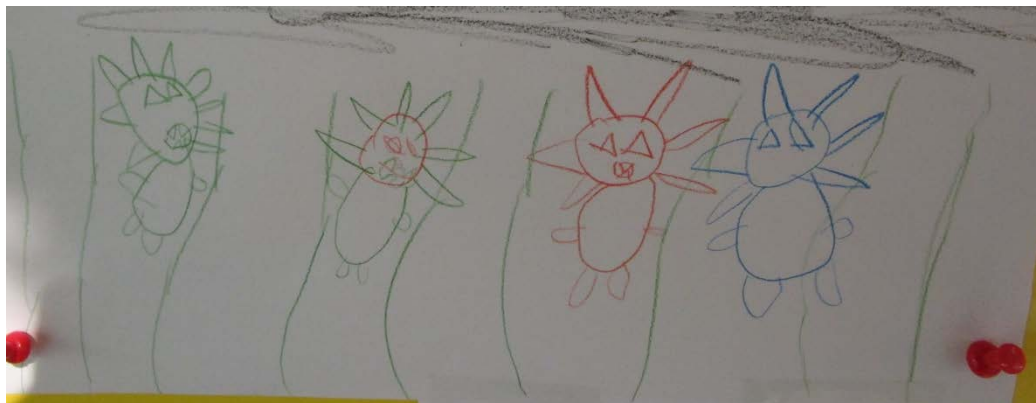


## PS division ECS at the GA2018

Taking place each day at the General Assembly 2018  
in cooperation with the EGU Childcare

Join us during the afternoon coffeefbreak at the  
Cosmopaint Board (close to the main entrance),  
where the winner of the day will be awarded a prize!





SELMA  
(First name + last name initial)  
from SWEDEN, 4 years old  
(home country)



10797  
COSMO PAINT  
24 April 2017  
from SWEDEN  
5 years old  
(home country)







## PS division ECS at the EPSC 2017



Winners of the EPSC Science Flash: Julie Novakova, Andrea Longobardo, and Christoph Burger.

The three best presentations, as rated by the jury, will receive a prize!

Launch of the EPEC (Europlanet Early Career Network), which is now responsible for the EPSC Science Flash and for other EPSC events





## ECS Awards at EGU

- Young Scientist's Travel Award (application deadline ~Nov 2018)  
<http://www.egu.eu/ecs/financial-support/>

- Outstanding Student Poster and PICO Award

For a current undergraduate (e.g., BSc) or postgraduate (e.g., MSc, PhD) student or recent undergraduate or postgraduate student (conferral of degree after 1 January of the year preceding the conference) who are presenting her/his thesis work

- Division Outstanding Young Scientists Award (deadline: ~ mid-June) together with Arne Richter Award for Outstanding Young Scientists

For an undergraduate or postgraduate (Masters/PhD) student or a scientist who has received his or her highest degree (BSc, MSc, or PhD) within the past seven years\*.

*\* Provided parental leave fell into that period, up to one year of parental leave time may be added per child, where appropriate*







.... to be continued

Want to join us? Contact us!

✉ [ecs-ps@egu.eu](mailto:ecs-ps@egu.eu)

or during this week in person

*meet the EGU PS ESC representative* Wed 12:00 – 12:45 at the EGU booth

**ECS forum Thu 12:15 – 13:15 Room N2**

or in the ECS lounge

or during sessions

or coffeebreaks

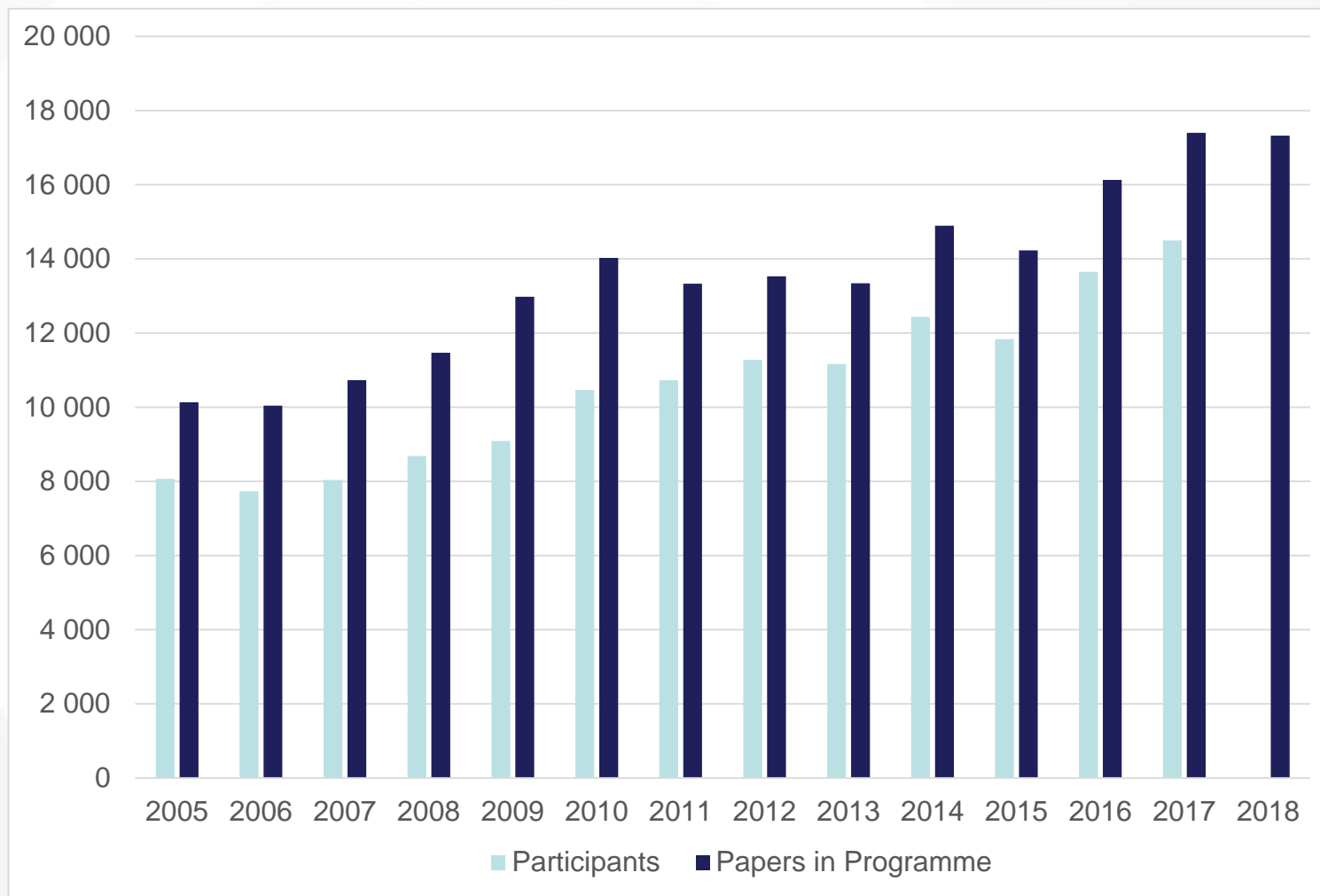
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## EGU Office – Activities related to GA



## Papers in programme 2005–2018 and participants 2005-2017



## The need for a change

- We may reach maximum poster capacity in ~2 years
- Oral sessions can reach 80% median room fill in ~2 years, meaning 50% of the rooms will be full to overfull
- There is no possibility for new rooms or extra space in the ACV
- EGU has signed a contract with the ACV until 2024
- 60% - 65% (2013-2018) of abstracts are posters, which are presented in 1.5 hours only

**→ We need to act**

# Future format General Assembly

## Current model

TB1	Orals, PICO
Break	
TB2	Orals, PICO
Lunch	
TB3	Orals, PICO
Break	
TB4	Orals, PICO
Break	
TB5	Posters, drinks
TB6	Medal lect, TM

- 4800 orals
- 1800 PICO
- 12500 posters (full day)
- Poster capacity full ~2020
- Room fill issues 2020/2021

## Alternative model

TB1	Orals, PICO, Posters
Break	
TB2	Orals, PICO, Posters
Lunch	
TB3	Orals, PICO, Posters
Break	
TB4	Orals, PICO, Posters
TB5	Exhibition, drinks
TB6	Medal lectures, TM

- 6000-6400 orals
- 1800 PICO
- 12500 posters (full day).
- Poster capacity full by ~2023.
- Double poster capacity to 25000 by half-day showing time
- No room fill issues next 10 years

Many thanks to the PS authors for being here,  
officers and conveners for their great and  
voluntary dedicated work

Any other Business ?