

EGU 2018

Solar-Terrestrial Sciences

Division Meeting

Margit Haberreiter

11 April 2018, 12:15–13:15 , Room 1.61



Meetings | Publications | Outreach | www.egu.eu

AGENDA

1. Approval of the 2017 minutes
2. Awards and Medals 2018
3. Medal Committees
4. OSPP 2017 Award to Amma Andergerg
5. ST Division Organisation and Officers
6. ST Early Career Scientists Activities (Jone Reistad)
7. ST Education and Public Outreach Update
8. ANGEO Update
9. 2018 GA/ST Scientific Programme
10. EGU 2019 and the Future
11. Any Other Business

Acceptance of the minutes of the ST Division Meeting 2017

1. Awards and Medals 2018



No Cassini Medal

2018 Hannes Alfvén Medal

Eckart Marsch

The 2018 Hannes Alfvén Medal is awarded to Eckart Marsch **for his fundamental contributions to our understanding of the kinetic processes and plasma turbulence in the heliosphere, as well as for work that helped HELIOS become a successful mission and which initiated the Solar Orbiter.**

Solar Wind and Kinetic Heliophysics

Tuesday, 10 April 2018, 11-12:00, Vienna, Austria

2018 Julius Bartels Medal

Ilya Usoskin

The 2018 Julius Bartels Medal is awarded to Ilya Usoskin for his key contributions to long-term changes of cosmic rays and solar activity, qualifying him as a founder of the space climate discipline..

Extreme Solar Particle Storms: How hostile can the Sun be?

Monday, 9 April 2018, 11-12:00, Vienna, Austria

2018 ST ECS Award

Natasha L.S. Jeffrey

The 2018 ST Early Career Scientist Award is given to Natasha Jeffrey for her outstanding achievements in improving the standard model of fast electrons produced in solar flares, thereby eliminating the long-standing low-energy cut-off uncertainty.

Wed, 11 Apr, 16:30 – 16:45 / Room 1.61

X-ray and extreme EUV diagnostics of solar flare-accelerated particles



Invitation for Nominations for Awards and Medals

The community is urged to send in suggestions of strong candidates!

Note, this year the Jean Dominique Cassini Medal was not given due to lack of strong candidates

Next Deadline for nominations: June 15, 2018

Division level:

- The Division Outstanding Early Career Scientists Awards
- the best nomination can be recommended for the Arne Richter Outstanding ECS Award
- The Division medals for mid-career scientists (mid career: before retirement)

Union level:

- Arne Richter Outstanding Early Career Scientists Awards
- Union Medals for senior scientists
 - ST Division (Planetary and space sciences): Jean Dominique Cassini Medal

Further detail:

<http://www.egu.eu/awards-medals/awards-and-medals/>

2. Medal Committees

Julius Bartels Medal Committee 2019

Julius Bartels (current committee):

Hermann Lühr (Chair):

Norma Crosby

Jeffrey Forbes

Rumi Nakamura

Proposed 2019 committee:

Hermann Lühr [OUT]

Rumi Nakamura [OUT]

Norma Crosby [NEW CHAIR]

Jeffrey Forbes

Yuri Shprits [IN]

Ilya Usoskin [IN]

Hannes Alfvén Medal Committee 2019

Hannes Alfvén (current committee):

Loukas Vlahos [Chair]

Iannis Dandouras

Stephen Fuselier

Sami Solanki

Proposed 2019 committee:

Loukas Vlahos [OUT]

Iannis Dandouras [NEW CHAIR]

Stephen Fuselier

Sami Solanki

Julia Thalmann [IN]

3. Outstanding Student Poster and PICO (OSPP) Award

Number of Participants in 2017: 28

ST 2017 Outstanding OSPP Award

Emma Nilsson

“Reconstructing the 11-year solar cycle length from cosmogenic radionuclides for the past 600 years”

Emma Nilsson, Florian Adolphi, Florian Mekhaldi, and Raimund Muscheler

Poster presented at EGU 2017, Vienna

3. OSPP Award

Eligible for the **Outstanding Student Poster and PICO Awards** are students that:

- are first author and personally present the poster or PICO;
- satisfy one of the following criteria:
 - are a current undergraduate (e.g., BSc) or postgraduate (e.g., MSc, PhD) student;
 - are a recent undergraduate or postgraduate student (conferral of degree after 1 January of the year preceding the conference) who are presenting their thesis work

4. OSPP Participation

Registered Posters

2016: 45

2017: 28

2018: TBC

Thanks to the conveners and judges for making
this possible!

5. ST Division Organisation and Officers

Incoming ST Division President

Olga Malandraki
(former Deputy President)

ST Division President at
EGU2019 GA



ST Structure and EGU principles

- Division Officers are appointed by the Division President and approved in the Division Meetings
- Programme Group Chair (Division president)
Margit Haberreiter until 2019

ST Scientific Officers

- **ST1 The Sun and Heliosphere**
Manuela Temmer: confirmed for 2019
Olga Malandraki: confirmed for 2019
- **ST2 Magnetosphere:**
Yulia Bogdanova: confirmed for 2019
- **ST3 Ionosphere and Thermosphere:**
Dalia Buresova: confirmed for 2019



Thank you all for your active involvement in shaping the EGU Programme!

ST Liaison Officers 2018

- **Publications:**
Manuela Temmer: confirmed for 2019
- **OSPP Coordinator:**
Chao Xiong: confirmed for 2019
- **Early Career Scientist (ERC) Representative**
Jone Peter Reistad: outgoing
Theresa Rexer: incoming



ST Liaison Officers 2018 cont.

- **News, Media, Education and Public Outreach, Webmaster**
Athanasios Papaioannou: confirmed for 2019
- **Scientific Affairs, Foreign Affairs, Division Liaison**
Margit Haberreiter: confirmed for 2019

Joint EGU-AGU statement of principles for a code of ethics for the geosciences

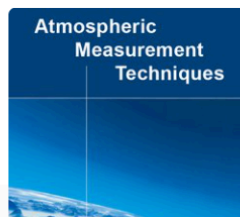
The European Geosciences Union (EGU) takes pride in aspiring to the highest ethical standards in everything we do. To this end, we have created, in partnership with AGU, a joint code of ethics. We encourage you to adopt its recommendations both for the meeting and your wider professional life.

[Read more](#)

Featured news

Atmospheric Measurement Techniques (AMT) celebrates its 10th anniversary

🔖 EGU news 📅 6 April 2018

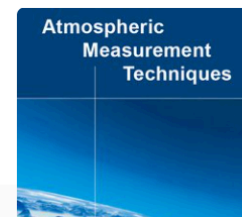
[View all](#) | 

Highlight articles

Intercomparison of middle-atmospheric wind in observations and models

📄 Atmospheric Measurement Techniques

DOI: 10.5194/amt-11-1971-2018 📅 6 April 2018

[View all](#) | 

6. ECS ST Activities

Jone Reistadt

ECS ST Representative

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

Early Career Scientist (ECS) activities in our division



Solar-Terrestrial Sciences (ST)

Jone Peter Reistad

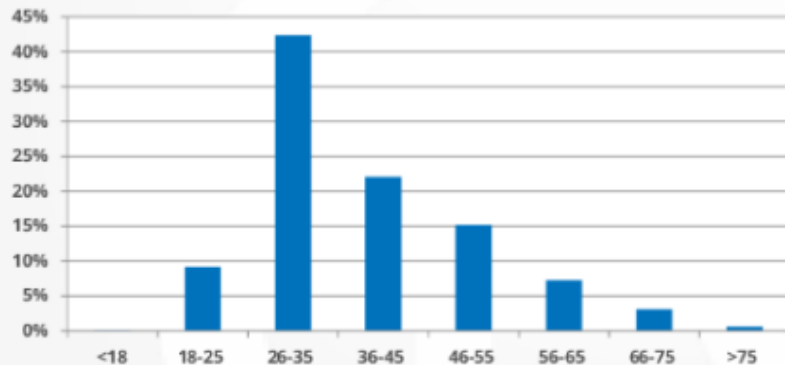
ecs-st@egu.eu

Jone is a space physicist working on how the two polar hemispheres are asymmetrically coupled to space. He wants to increase the awareness of ECS activities within the ST division and encourage participation at the General Assembly, which is an important meeting place for the ECS.

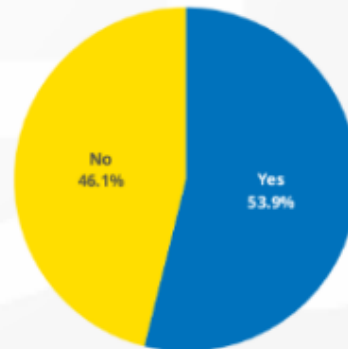


New ECS rep:
Theresa Rexer

What is your age?



Are you an early career scientist (ECS)?





MEET THE EXPERTS:

THE FUTURE OF SOLAR-TERRESTRIAL RESEARCH

ARE YOU INTERESTED IN HOW THE SUN AFFECTS THE NEAR EARTH SPACE? HOW WELL DO WE UNDERSTAND THE SUN-EARTH SYSTEM, AND WHAT CHALLENGES LIE AHEAD FOR YOU AS AN EARLY CAREER SCIENTIST TO EMBARK UPON?

LISTEN TO THE EXPERTS AND DISCUSS THE FUTURE OF OUR COMMUNITY AT THIS EGU SHORT COURSE

SAMI SOLANKI



EXPERT ON SOLAR
PHYSICS, SOLAR ACTIVITY
AND VARIATIONS OF THE
SUN'S MAGNETIC FIELD

CLAUDIA STOLLE



EXPERT ON EARTH'S
MAGNETIC FIELD AND
HOW IT INTERACTS WITH
THE UPPER ATMOSPHERE

JUHA VIERINEN



EXPERT ON RADAR AND
RADIO REMOTE SENSING
TECHNIQUES APPLIED TO
IONOSPHERIC RESEARCH

THURSDAY APRIL 12TH 15:30–17:00 / ROOM -2.31



European
Geosciences
Union

Improved communication facilities

New:

Twitter:

Facebook:

Division

Blog:

@egu_st

EGU Solar-Terrestrial

blogs.egu.eu/divisions/st

ST Solar-Terrestrial Sciences[EGU Blogs](#) » [Divisions](#) » Solar-Terrestrial Sciences

Solar-Terrestrial Sciences

Cosmic rays – messengers from space

Athanasios Papaioannou · March 19, 2018

**ABOUT**

Welcome to the [blog](#) of the [Solar-Terrestrial Sciences \(ST\) Division](#) of the [European Geosciences Union \(EGU\)](#). This blog serves as a platform for the solar-terrestrial community to share news, events, and activities, as well as updates on the latest research. It is especially aimed at the EGU early career scientists and the general public. The blog is run by Athanasios Papaioannou who welcomes guest contributions. To submit a post, simply drop him an [email](#).





Athanasios Papaioannou



Jone Peter Reistad



Kamalam Vanninathan



Koen Hendrickx

Guest editor



Hugh S. Hudson



Konstantin Herbst

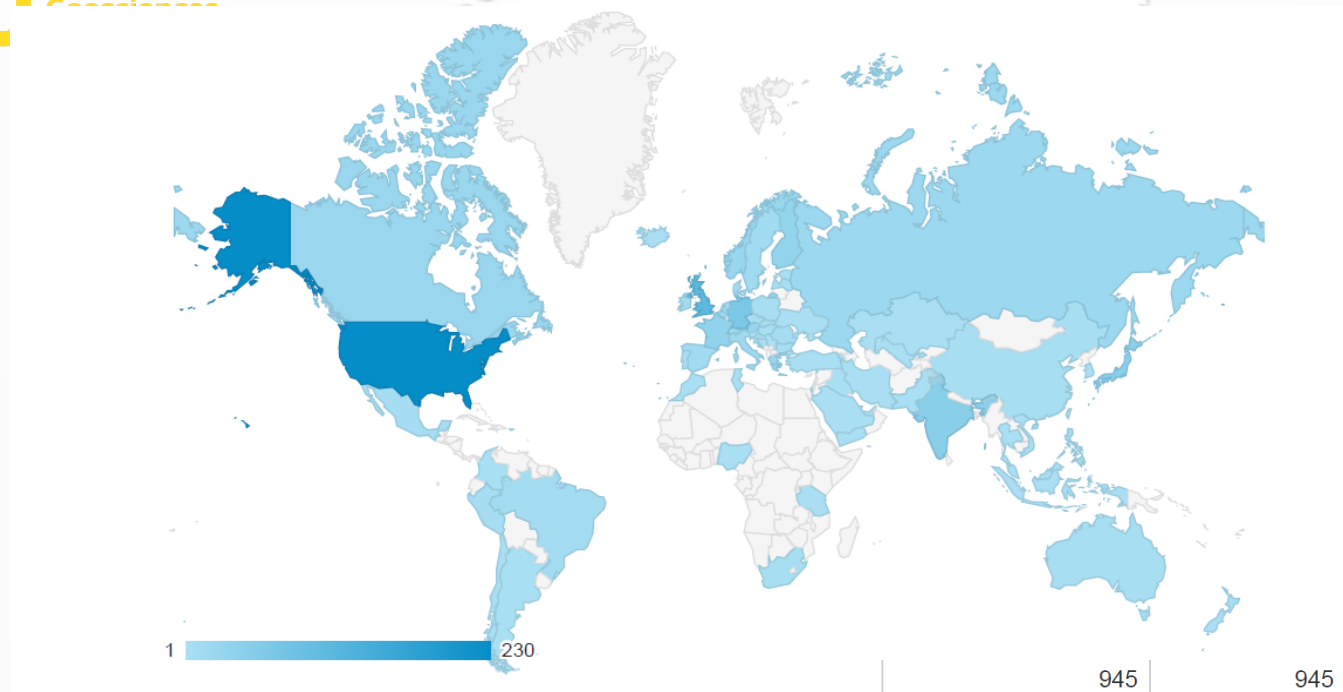
Interviews



Miho Janvier

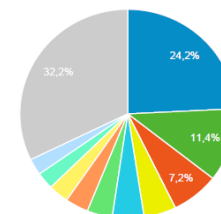


Helen Mason

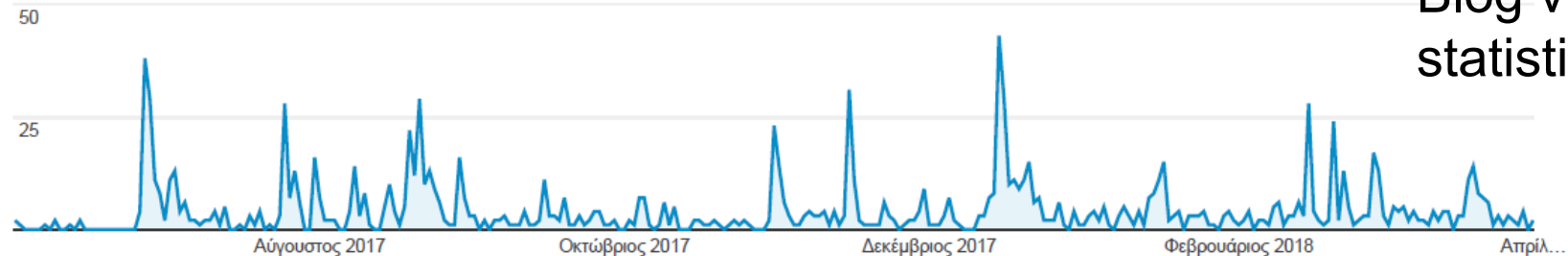


Blog visitor statistics

	945 % του συνόλου: 100,00% (945)	945 % του συνόλου: 100,00% (945)
1. United States	230	24,21%
2. United Kingdom	108	11,37%
3. Germany	68	7,16%
4. India	46	4,84%
5. Japan	45	4,74%
6. France	36	3,79%
7. Finland	33	3,47%
8. Austria	29	3,05%
9. Greece	25	2,63%
10. Norway	24	2,53%

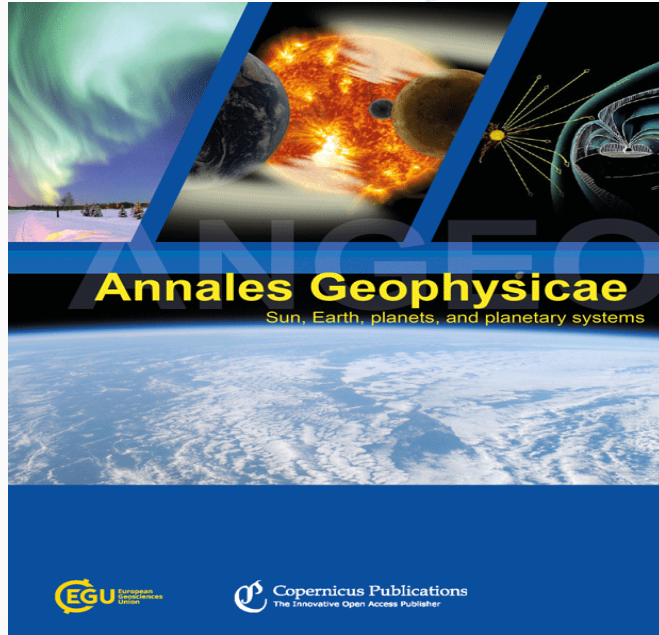
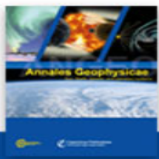


● Περίοδοι σύνδεσης



Blog visitor statistics

		1.279
		% του συνόλου: 100,00% (1.279)
1.	/divisions/st/	402
2.	/divisions/st/2017/08/14/the-2017-solar-eclipse-and-scientific-discoveries/	153
3.	/divisions/st/2017/12/15/dr-helen-mason-solar-space-missions-a-life-with-the-sun/	151
4.	/divisions/st/2017/09/15/miho-janvier-the-quest-for-solar-storms/	130
5.	/divisions/st/2018/02/15/social-media-response-to-geomagnetic-activity/	90
6.	/divisions/st/2017/07/25/capturing-a-whole-total-eclipse-of-the-sun-megamovie/	70
7.	/divisions/st/2017/10/31/eyes-on-the-sun/	68
8.	/divisions/st/2017/11/15/egu-for-early-career-scientists/	46
9.	/divisions/st/2018/01/15/how-do-we-study-the-magnetosphere/	40
10.	/divisions/st/2018/03/19/cosmic-rays-messengers-from-space/	27



Annales Geophysicae Editorial Board 2017 (newly invited editors in bold)

Editors in Chief

I. Daglis, C. Jacobi, I. Mann

Sun and Heliosphere

C. Scott, M. Temmer, M. Haberreiter

Magnetosphere & Space Plasma Physics

G. Balasis, I. Daglis, **M. Gkioulidou**, **V. Maget**, **A. Milillo**, Y. Miyoshi, **C. Mouikis**, C. Owen, M. Palmroth, E. Roussos, **N. Sergis**

Earth's Ionosphere and Aeronomy

D. Buresova, **A.G. Elias**, K. Hosokawa, **H. Liu**, S. Milan

terrestrial atmosphere and its relation to the sun

C. Jacobi, A. Kavanagh, V. Kotroni, **P. Pisoft**, M. Salzmann

small bodies to dust

J. De Keyser, **K. Tsiganis**,

Solid surface planets and their moons

E. Palomba

+ 19 guest editors



Special issues

- [Alphabetically](#) ► [Chronologically](#) ► [Inter-journal SIs only](#)

2018

- [Dynamics and interaction of processes in the Earth and its space environment: the perspective from low Earth orbiting satellites and beyond \(SE/ANGEOS inter-journal SI\), 2018](#)
Eds. C. Stolle, J. L. Chau, E. Doornbos, M. Korte, A. Kuvshinov, J. Kusche, H. Lühr, R. Nakamura, J. Vogt, and G. Balasis

2017

- [Space weather connections to near-Earth space and the atmosphere, 2017](#)
Eds. M. Abdu, A. Dal Lago, R. A. Buriti, J.-P. Raulin, and C. Jacobi
- [The Earth's magnetic field: measurements, data, and applications from ground observations \(ANGEOS/GI inter-journal SI\), 2017](#)
Eds. J. Rasson, A. Gonsette, K. Arora, A. Chulliat, C. Turbitt, and G. Balasis

2016

- [The 14th International Symposium on Equatorial Aeronomy, 2016](#)
Eds. E. Yizengaw, J. Makela, P. J. Erickson, K. Shiokawa, C. Stolle, D. Pallamraju, and C. Jacobi

2015

- [Dynamic processes in geospace, 2015](#)
Eds. I. A. Daglis, C.-P. Escoubet, B. Mauk, and G. Balasis



Papers received in 2017 and 2016

	2017 papers	2016 papers
Total	226 +6.1%	213
Regular Papers	160 (70.8%) -12.6%	183
Special Issue Papers	66 (29.2%) +120%	30

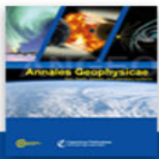
Papers published in 2017 and 2016

	2017		2016	
	Articles	Pages	Articles	Pages
Total	112 (+5.7%)	1334 (+10.8%)	106	1204
Regular articles	84	1008	100	1135
Special issue articles	28	326	6	69

Acceptance rate 61.8%

ANGELO impact factor **(2016): 1.610**

(2015: 1.731; 2014: 1.709 / 2013: 1.676 / 2012: 1.518 / 2011: 1.842 / 2010: 1.620 / 2009: 1.648 / 2008: 1.660 / 2007: 1.427)



Papers submitted

2017	226
2016	213
2015	201
2014	219
2013	272
2012	254
2011	311
2010	273
2009	265

Some reasons for decreasing numbers after 2013

Move to open access system

Competitors publish for free (JASTP, ASR, SoPh...)

Other growing scientific fields (e.g. planets...)

Measures

Open Annales to **Planetary Science**, new Editor in Chief
Ingrid Mann

Change to **2-stage** in January 2018

9. 2018 GA/ST Scientific Programme



EGU General Assembly 2018 facts

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

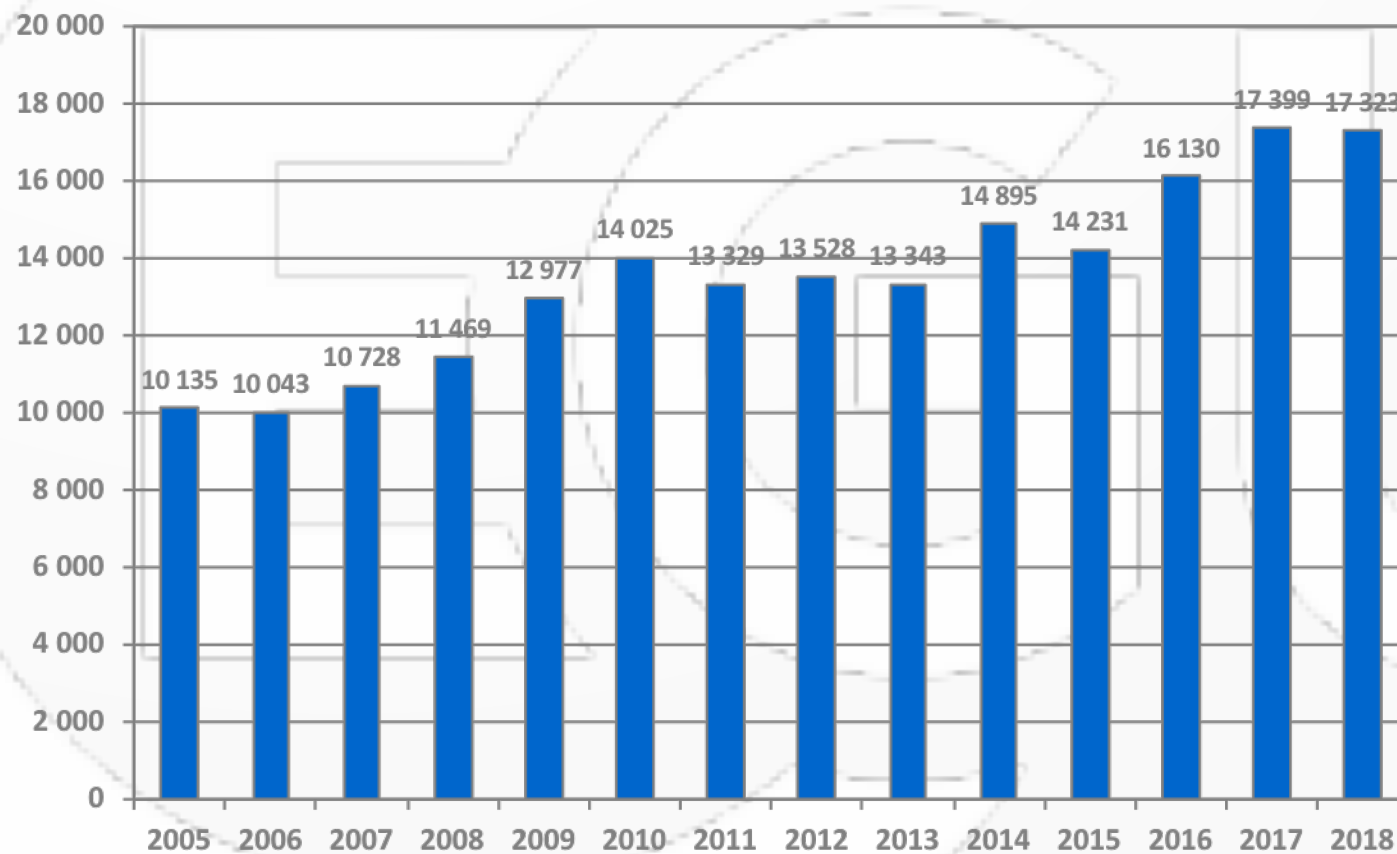
- 17,323 papers in programme | -0.44% (2017)
- 4,776 orals | 11,128 posters | 1,419 PICOs | ratio 28 / 64 / 8
- 12,733 registrations in advance | +12.37% (2017)
- 666 unique scientific sessions | 68 short courses | 294 side events*
- 433 out of 666 scientific sessions are co-organized (65%)
- The 433 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



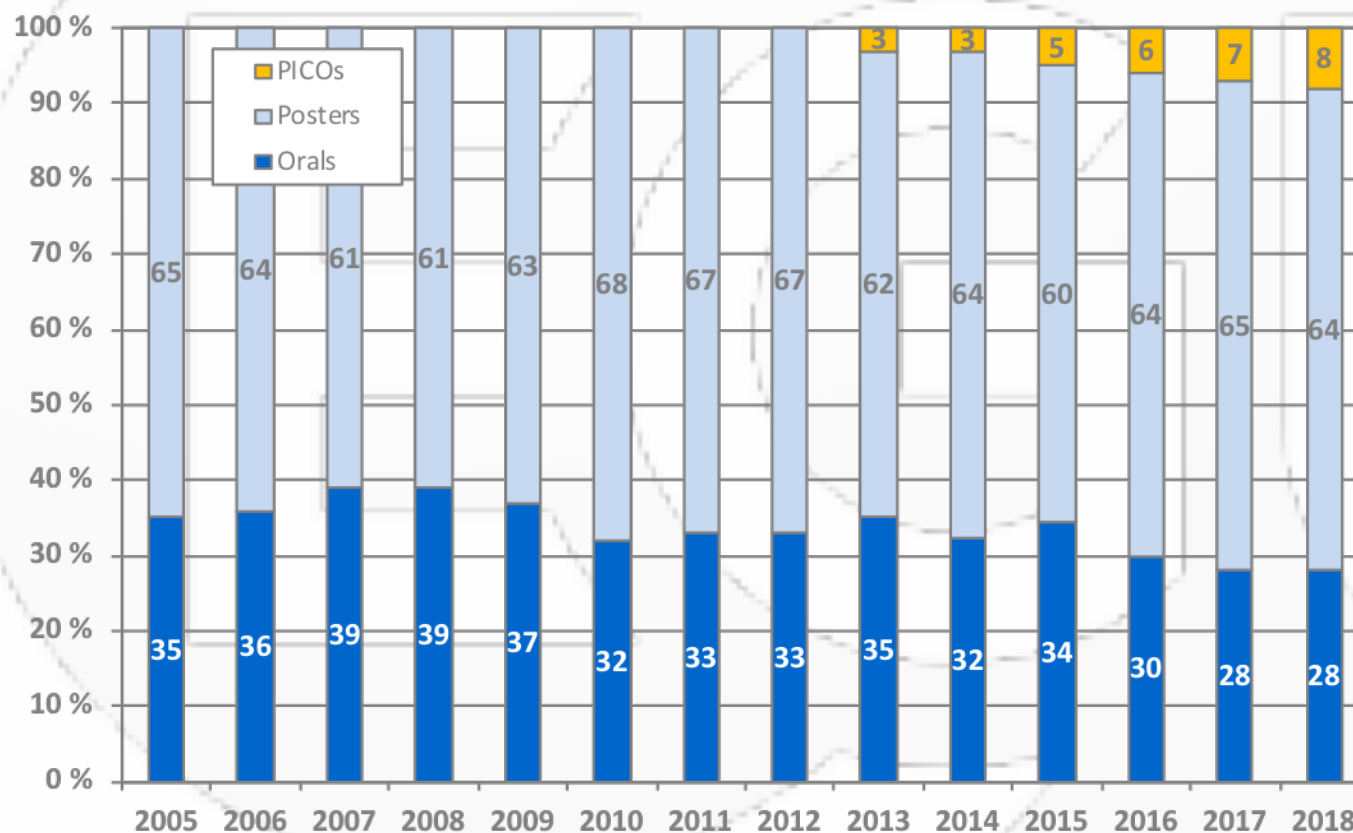
Papers in programme 2005–2018

17'399





Presentation ratio 2005–2018



EGU ST 2018 Scheduling

Maximum number of ST oral blocks determined by:

- EGU boundary conditions on room availability
- Oral sessions only in the first four daily slots [other papers are given as posters]
- Ratio submitted abstracts per oral session: 22 abstracts/1 oral block (90 min).

ST oral blocks are allocated taking the following into consideration:

- Time Requests (Requests to AVOID scheduling on the following days).
- Inter-Session Relations (No-Overlap Request).
- Number of Oral and Poster abstracts.

Feedback is very welcome

Communication Activities at the Assembly

EGU Today

- EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly
- Paper copies will be distributed daily and are available to download at **www.egu2018.eu/egu_today**

Blogs

- GeoLog, the EGU Blog Network & EGU Division Blogs will be sharing great sessions, research, interviews and more throughout the Assembly
- Follow them at **geolog.egu.eu** and **blogs.egu.eu**

Social Media

- Sessions will be advertised on Twitter (**[@EuroGeosciences](https://twitter.com/EuroGeosciences)**) and Facebook (**European Geosciences Union**)
- Participants can ask questions & keep updated by following **#EGU18**

EGU Topical events

EGU supports the organisation of meetings to promote the exchange of science:

- **EGU Galileo Conferences**

First two in 2017/2018, next call at the end of 2018

- **EGU Conferences series**

starting “NOW”! Invitation for Proposals June 1, 2018

- **Training schools** (formerly: co-sponsored events)

Open call: June 2017 (one call only for 2018)

Angioletta Coradini Conference on Solar System and Planetary Processes.

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.



Angioletta Coradini (1946 - 2011)

Italian astrophysicist and planetary scientist.

In 2007 she was awarded the David Bates Medal and in 2012 Jean Dominique Cassini Medal.

10. EGU 2018 and the Future

The background of the slide features a large, faint, stylized outline of the letters 'EGU' in a light gray color. The 'E' and 'G' are connected, and the 'U' is separate. The letters are composed of thick, rounded strokes.

ST Medal/Award Nominations

- **Deadline 15. June, 2018!!**
- Evaluation purely based on scientific excellence
- Particular invitation for the nomination of female researchers
 - Hannes Alfvén Medal
 - Julius Bartels Medal
 - Outstanding Early Career Scientist Awards

Promotion of PICO Sessions

- Overall increase of abstracts
- Limited number of oral blocks and rooms
- PICO Sessions are great way to communicate your science
- Very interactive
- Invited presentations possible (10min – PICO presentation)

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 Ismaning

15 Oct 18 – 10 Jan 19

Abstract submission

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

- 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

Any Other Business

Suggestions

Questions

Comments

egu2018.eu/feedback