

# EGU 2020

## Solar-Terrestrial Sciences (ST)

### Division Meeting

Olga E. Malandraki

6 May 2020, 12:45–13:45



---

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

# AGENDA

1. Approval of the 2019 minutes
2. Awards and Medals 2020
3. Medal Committees
4. OSPP 2019 Award
5. ST Division Organisation and Officers
6. ST Education and Public Outreach Update
7. ANGEO Update
8. 2020 GA/ST Scientific Programme
9. EGU 2021 and the Future
10. Any Other Business

# 1. Acceptance of the minutes of the ST Division Meeting 2019

<https://www.egu.eu/st/reports/>

and this year's Meeting Agenda

## 2. Awards and Medals 2020

# 2020 Jean Dominique Cassini Medal & Honorary Membership

***Pascale Ehrenfreund***

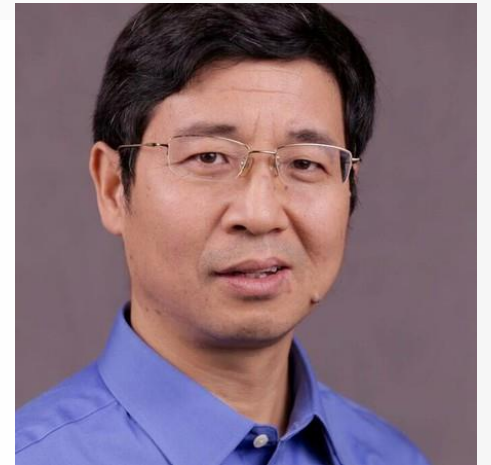
The 2020 Jean Dominique Cassini Medal & Honorary Membership is awarded to Pascale Ehrenfreund **for her leadership in international space exploration and breadth of science leading her to co-found the field of astrobiology.**



# 2020 Hannes Alfvén Medal

***Qiugang Zong***

The 2020 Hannes Alfvén Medal is awarded to Qiugang Zong for **his outstanding contributions to the identification of the particle acceleration mechanisms in the magnetosphere and to the development of space plasma physics instrumentation.**





# 2020 ST Early Career Science (ECS) Award

***Lauri Holappa***

The 2020 Division Outstanding Early Career Scientist Award is awarded to Lauri Holappa **for outstanding research in the field of space climate and space weather.**



# Invitation for Nominations for Awards and Medals

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

**Next Deadline for nominations: June 15, 2020**

## **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) Hannes Alfven/Julius Bartels Medals
- Reminder: Based on the size of the ST Programme Group compared to others the decision was taken on EGU Council level to keep the two division medals for ST but with one medal every year in an alternating fashion.
- 'Julius Bartels Medal' for 2021

## **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: <https://www.egu.eu/awards-medals/>*



## 3. Medal Committees

# Julius Bartels Medal Committee 2021

## **Julius Bartels (current committee):**

Norma Crosby [CHAIR]

Yuri Shprits

Ilya Usoskin

Masatoshi Yamauchi

## **Proposed 2021 committee:**

Norma Crosby [CHAIR]

Yuri Shprits

Ilya Usoskin [OUT]

Masatoshi Yamauchi

Georgia Tsiropoula [IN]

# 4. Outstanding Student Poster and PICO (OSPP) Award NOT ACTIVE THIS YEAR

## 4. 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

## 5. ST Division Organisation and Officers

# Solar-Terrestrial (ST) Division President

Olga Malandraki

For the period **2019-2021**

Re-elected for the period **2021-2023**

## ST Division Deputy President

Margit Haberreiter (former ST Division President)



## ST Structure and EGU principles

- Division Officers are appointed by the Division President and approved in the Division Meetings
- Programme Group Chair (Division president)  
Olga Malandraki until 2021

# ST Scientific Officers

- **ST1 The Sun and Heliosphere**

‘Solar Physics’: Manuela Temmer: confirmed for 2021

‘Heliosphere’: Olga Malandraki: confirmed for 2021



- **ST2 Magnetosphere:**

Yulia Bogdanova: confirmed for 2021



- **ST3 Ionosphere and Thermosphere:**

Dalia Buresova: confirmed for 2021



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

# ST Liaison Officers 2021

- **Publications:**  
Manuela Temmer: confirmed for 2021
- **OSPP Coordinator:**  
Chao Xiong: confirmed for 2021
- **Early Career Scientist (ERC) Representative**  
Theresa Rexer: confirmed for 2021



## ST Liaison Officers 2020 cont.

- **News, Media, Education and Public Outreach, Webmaster**  
Luke Barnard: confirmed for 2021
- **Scientific Affairs, Foreign Affairs, Division Liaison**  
Olga Malandraki: confirmed for 2021



# Communication facilities

## **New:**

Twitter:

@egu\_st

Facebook:

EGU Solar-Terrestrial

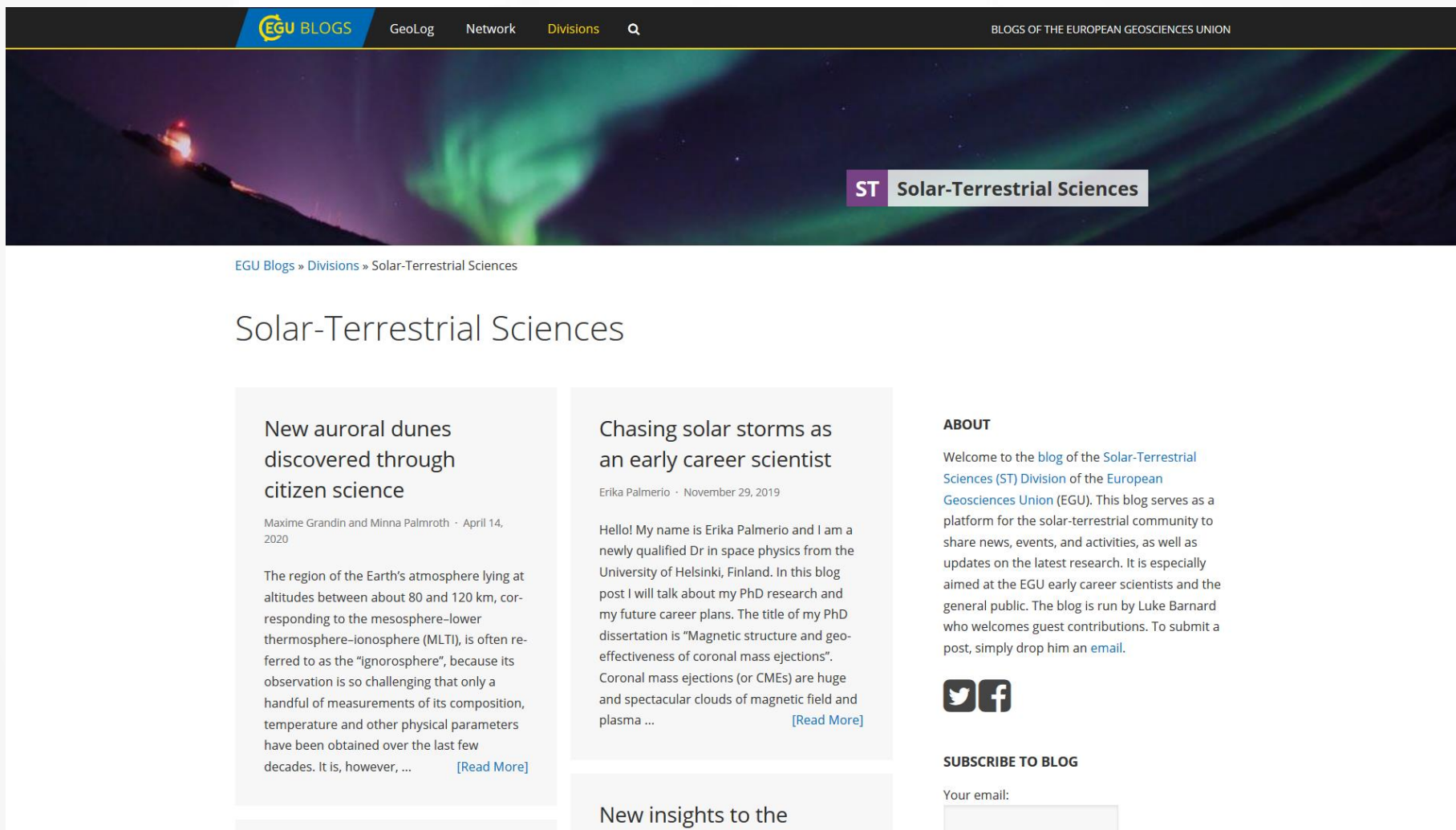
Division

Blog:

[blogs.egu.eu/divisions/st](https://blogs.egu.eu/divisions/st)

# 6. ST Education and Public Outreach Update

<https://blogs.egu.eu/divisions/st/>



The screenshot shows the EGU Blogs website for the Solar-Terrestrial Sciences (ST) division. The header features the EGU logo and navigation links for GeoLog, Network, and Divisions. A banner image of the aurora borealis is displayed with the ST logo and the text 'Solar-Terrestrial Sciences'. Below the banner, the breadcrumb trail reads 'EGU Blogs » Divisions » Solar-Terrestrial Sciences'. The main title 'Solar-Terrestrial Sciences' is centered. The page contains two article previews: 'New auroral dunes discovered through citizen science' by Maxime Grandin and Minna Palmroth (April 14, 2020), and 'Chasing solar storms as an early career scientist' by Erika Palmerio (November 29, 2019). An 'ABOUT' section welcomes visitors to the blog, which serves as a platform for the solar-terrestrial community. Social media icons for Twitter and Facebook are present. A 'SUBSCRIBE TO BLOG' section includes a text input field for an email address.

EGU BLOGS GeoLog Network Divisions BLOGS OF THE EUROPEAN GEOSCIENCES UNION

ST Solar-Terrestrial Sciences

EGU Blogs » Divisions » Solar-Terrestrial Sciences

## Solar-Terrestrial Sciences

**New auroral dunes discovered through citizen science**

Maxime Grandin and Minna Palmroth · April 14, 2020

The region of the Earth's atmosphere lying at altitudes between about 80 and 120 km, corresponding to the mesosphere-lower thermosphere-ionosphere (MLTI), is often referred to as the "ignosphere", because its observation is so challenging that only a handful of measurements of its composition, temperature and other physical parameters have been obtained over the last few decades. It is, however, ... [\[Read More\]](#)



**Chasing solar storms as an early career scientist**

Erika Palmerio · November 29, 2019

Hello! My name is Erika Palmerio and I am a newly qualified Dr in space physics from the University of Helsinki, Finland. In this blog post I will talk about my PhD research and my future career plans. The title of my PhD dissertation is "Magnetic structure and geoeffectiveness of coronal mass ejections". Coronal mass ejections (or CMEs) are huge and spectacular clouds of magnetic field and plasma ... [\[Read More\]](#)

**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 Luke Barnard who welcomes guest contributions. To submit a post, simply drop him an [email](#).

**SUBSCRIBE TO BLOG**

Your email:

New insights to the





**Luke Barnard**



**Jamey R. Szalay**



**Eleanna Avestari**



**Pietro Zucca**

## **PLAN FOR IMPROVEMENTS**

- **Maintain similar post frequency of 1 per month, 1000-1500 words**
- **Focus on topical ST science, but also provide space for community issues**
- ***Improve the diversity of blog authors, to better represent our wide community***
- **To do this, we will directly solicit content, but we would also appreciate the community suggesting content they could provide, or suggesting authors we can approach.**

## STATUS

We have solicited content from:

- Early Career Researchers
- New results from citizen scientists
- Recent missions and projects

We have posts scheduled from:

- LOFAR
- ESA's Solar Orbiter
- NASA's Parker Solar Probe



[EGU Blogs](#) » [Divisions](#) » [Solar-Terrestrial Sciences](#) » Chasing solar storms as an early career scientist

### Chasing solar storms as an early career scientist

Erika Palmerio · November 29, 2019 · Life of a Scientist, Science Posts · No Comments

ST Solar-Terrestrial Sciences

#### ABOUT

Welcome to the [blog](#) of the [Solar-Terrestrial Sciences \(ST\) Division](#) of the [European Geosciences Union \(EGU\)](#). This blog serv



[EGU Blogs](#) » [Divisions](#) » [Solar-Terrestrial Sciences](#) » New auroral dunes discovered through citizen science

### New auroral dunes discovered through citizen science

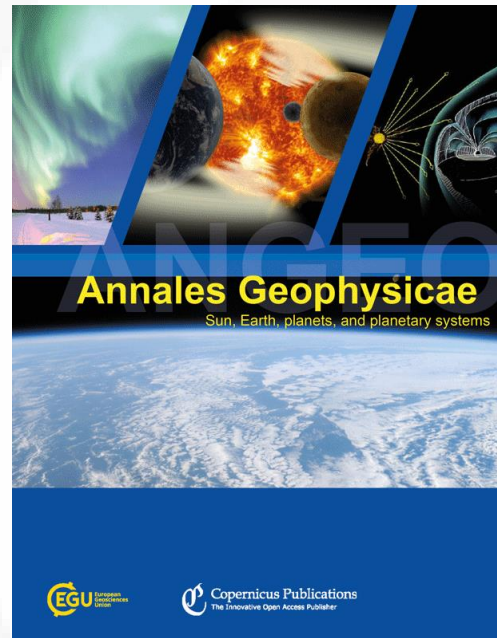
Maxime Grandin and Minna Palmroth · April 14, 2020 · Science Posts · No Comments

ST Solar-Terrestrial Sciences

#### ABOUT

Welcome to the [blog](#) of the [Solar-Terrestrial Sciences \(ST\) Division](#) of the [European Geosciences Union \(EGU\)](#). This blog serv

# 7. ANGEO Update



## Annales Geophysicae Editorial Board 2019 (newly invited editors in bold)

### Editors in Chief

I. Daglis, C. Jacobi, I. Mann

### Sun and Heliosphere

M. Haberreiter, M. Temmer, P. Wurz

### Magnetosphere & Space Plasma Physics

G. Balasis, I. Daglis, M. Gkioulidou, W. Li, V. Maget, A. Milillo, Y. Miyoshi, C. Mouikis, 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, **T. Giannaros**, A. Kavanagh, V. Kotroni, P. Pisoft, M. Salzmann, **G. Stober**

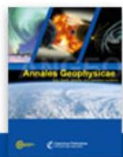
### Terrestrial Planet Systems

B. Foing, S. C. Werner

### Small bodies to dust

D. Bockelee-Morvan, J. De Keyser, I. Mann, T. Mukai, K. Tsiganis

+ 16 guest editors



## Special issues

► [Alphabetically](#)

► **[Chronologically](#)**

► [By latest activity](#)

► [Inter-journal SIs only](#)

### 2020

- [Special Issue on the joint 19th International EISCAT Symposium and 46th Annual European Meeting on Atmospheric Studies by Optical Methods, 2020](#)

Eds. Juha Vierinen, Noora Partamies, Daniel Whiter, and Andrew J. Kavanagh

### 2019

- [7th Brazilian meeting on space geophysics and aeronomy, 2019](#)

Eds. Igo Paulino, Inez Batista, Fabiano Rodrigues, Marcos D. Silveira, and Christoph Jacobi

- [Satellite observations for space weather and geo-hazard, 2019](#)

Eds. M. Piersanti, L. Conti, X. Shen, and G. Balasis

- [Solar magnetism from interior to corona and beyond, 2019](#)

Eds. V. Fedun, S. Shelyag, E. Scullion, A.K. Srivastava, G. Verth, and M. Temmer

- [Vertical coupling in the atmosphere–ionosphere system, 2019](#)

Eds. P. Koucka Knizova, E. Yiğit, C. Arras, K. Baumgarten, W. Ward, and C. Jacobi

### 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

Papers in	2018	2017
Submissions to ANGEOD	160	133
Regular	111	113
Special Issues	49	20
Published in ANGEOD	87	51

Impact factor: 2018: 1.585

(2017: 1.621 / 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

2019	160
2018	133
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 and 2018

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

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**

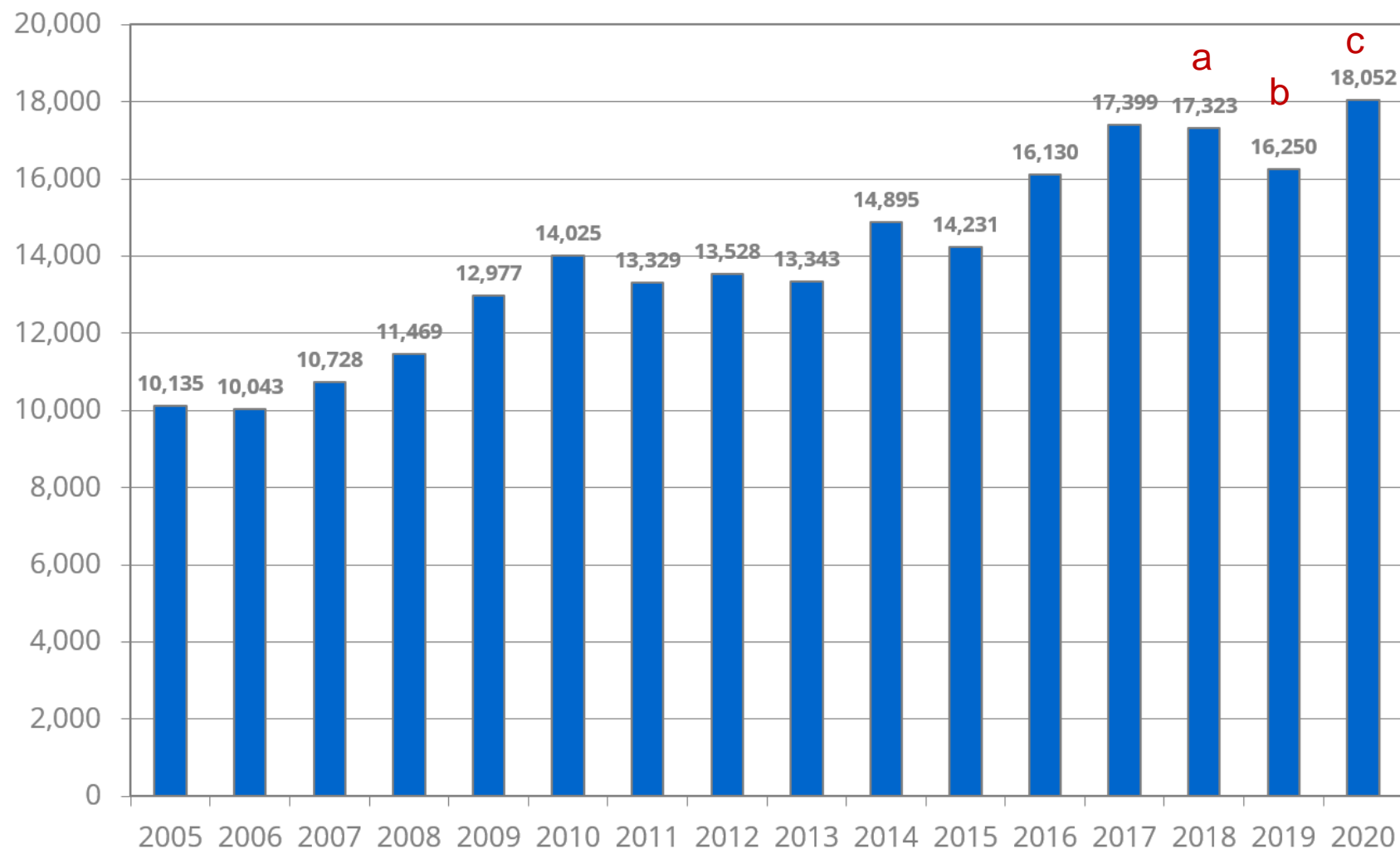


# 8. 2020 GA/ST Scientific Programme

## **GA2020 statistics (as of 27 April 2020, 08:30)**

- 18,052 abstracts in programme | +11.1% relative to 2019
- 702 unique scientific sessions
- 440 out of 702 scientific sessions are co-organized (62.7%), thereof 37 ITS
- 6/88 short courses online
- 1,135 presentation materials uploaded
- 82 comments to uploaded presentation materials received

# Abstracts in programme 2005 – 2020



- a) 2018: withdrawal of no-show abstracts
- b) 2019: one first-author abstract rule
- c) 2020: Physical GA cancelled 19 March; part of the GA brought online

## Sharing Geoscience Online: New concept

- Online? Yes! Because it is EGU's responsibility to help minimise the impact of COVID-19 on scientific research and collaboration
- Pilot experiment (we would like feedback!)
- Free registration
- Our considerations:
  - Science submitted to the General Assembly 2020 can be presented and shared
  - All authors and conveners can participate, across different time zones
  - Sharing Geoscience Online is accessible (in terms of bandwidth, for anyone with hearing or visual difficulties)
  - The concept works for all presentation types: oral, poster and PICO

## Sharing Geoscience Online in a nutshell

Our concept of Sharing Geoscience allows:

- Authors to upload presentation materials and receive feedback on those from 1 April to 31 May 2020)
- Conveners, authors and attendees to discuss abstracts, presentation materials and open questions during a live, text-based chat (4 – 8 May)
- Everyone to participate in Union Symposia, Great Debates, Short Courses, Networking, Division Meetings, #shareEGUart, Photo Competition and more
- EGU to gather experience with online activities and use these in plans for reducing the environmental impact of the General Assembly

## What is on during Sharing Geoscience Online?

- **Scientific sessions:** download presentation materials, discuss through public commenting, and participate in live text-based chats. More information on the [scientific sessions' page](#).
- **Union symposia:** 5 interactive webinars discuss overarching and interdisciplinary topics of EGU-wide interest.
- **Great debates:** join in the debate of 5 current discussion topics in the geosciences.
- **Short courses:** each day one or two short courses are available as webinars.
- **Townhall meetings:** join in the discussion of new initiatives and opportunities of geoscientific interest via live, text-based chat.
- **Photo Competition:** vote in the online EGU Photo Competition.
- **#shareEGUart:** follow our online artists, Stacy Phillips and Priyanka Das Rajkakati, and share your own creativity around your research with the hashtag #shareEGUart.
- **Division meetings:** update yourself on division news and give feedback.
- **Networking events:** meet your colleagues.

## What is Sharing Geoscience Online?

EGU2020: Sharing Geoscience Online (#shareEGU20) brings part of the activities of the EGU General Assembly 2020 online. [From 4 to 8 May 2020 \(CEST\) everyone can join us](#) for their favourite sessions. Please have a look on our [EGU2020: Sharing Geoscience Online page](#) and follow [EGU's social media accounts and hashtags](#) for more information.

Participation in EGU2020: Sharing Geoscience Online **does not require payment of a registration fee**. For uploads of presentation materials and commenting, authors and participants only need to have a [Copernicus user account](#). Viewing abstracts and presentation materials does not require any authentication. Participating in text-based session chat channels requires the provision of a nickname and your email address. To organize your participation, please consider preparing your [personal programme](#). To learn more about the chat channels, please see our page on [how to use the chats](#).

## Useful links

- [EGU2020: Sharing Geoscience Online](#) at a glance
- [FAQs on participating in Sharing Geoscience Online](#)
- Scientific sessions for [authors](#), [conveners](#), and [attendees](#)
- [How to use the chats](#)

Presentation upload & management

## EGU's Code of Conduct

Participation in EGU2020: Sharing Geoscience Online implies agreement to [EGU's Code of Conduct](#). If you experienced infringements against these rules please contact [conduct@egu.eu](mailto:conduct@egu.eu).



## Sharing Geoscience Online: New concept in very short time

- 16 March: Start developing concept for online activities
- 19 March: Cancelled physical General Assembly
- 23 March: First Sharing Geoscience Online webpages
- 31 March: All presentations turned to displays, rescheduled sessions to blocks of 30 displays
- 1 April: Open for upload of presentation materials and commenting
- 1 April: First FAQ page live
- 6 April: Webinar
- 8 April: SC plan
- 16 April: Open for upload of session materials
- 16 April: Division Meetings scheduled
- 21 April: 'how-to-use-the chat' pages
- This week: Chat video and test chat channels per programme group

## Code of Conduct

- Participation in EGU2020: Sharing Geoscience Online implies agreement to EGU's Code of Conduct, <https://www.egu.eu/about/code-of-conduct/>
- The Code of Conduct is flagged when uploading materials, when commenting, when entering the chat
- Violations or concerns to be reported to [conduct@egu.eu](mailto:conduct@egu.eu)

## 9. EGU 2021 and the Future

# ST Medal/Award Nominations

- **Deadline 15. June, 2020!!**
- Evaluation purely based on scientific excellence
- Particular invitation for the nomination of female researchers
  - 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)

# Virtual Data Help Desk EGU 2020

## 4–8 May 2020

- Engage with Data Experts
- Learn Skills and Techniques
- Make your Data Open and FAIR



Ask questions through twitter via **#DataHelpDesk**



View short tutorials and demos. Details: **[bit.ly/DataHelpEGU20](https://bit.ly/DataHelpEGU20)**



A program of EGU, AGU, ESIP,  
EarthCube, and their partners.



## GA 2021 timeline (working version)

1 – 19 Jun 2020	Sub-programme structure (call-for-skeleton)
24 Jun – 15 Aug 2020	Public call for GDB and US
24 Jun – 11 Sep 2020	Public call-for-sessions, incl SC
16 Sep – 14 Oct 2020	Session programme finalization
14 Oct 2020 - not fixed	PC Meeting (online)
1 Dec 2020	Support application deadline
13 Jan 2021	Abstract submission deadline

# Any Other Business

Suggestions, Questions, Comments,  
Feedback <https://survey.zohopublic.eu/zs/K4B8dx>



## EGU Sharing Geoscience Online 2020 Feedback

Thank you for participating in the feedback survey for EGU Sharing Geoscience Online 2020! This has been an unprecedented experiment, where we organised the largest virtual gathering of geoscientists ever, in only 6 weeks since the cancellation of the physical General Assembly. We are very curious about your experience at Sharing Geoscience Online: what has worked well, what could be better, what did you miss, and what should EGU consider to keep for future meetings.

We would like to ask you to take 5-10 minutes to complete this questionnaire, as your input is very helpful for shaping future EGU General Assemblies and possible virtual extensions.

Susanne Buitter (RWTH Aachen University)  
*Chair of the EGU General Assembly 2020 Programme Committee*





# Enjoy Sharing Geoscience Online!!



---

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