

# EGU 2022 Solar-Terrestrial Sciences Division Meeting

Vienna Austria & Online

26 May 2022, 12:00-13:00, Room K1

Minutes prepared by Olga Malandraki

The 2022 EGU Division Meeting for Solar-Terrestrial Sciences was held on Thursday 26 May 2022, 12:00 - 13:00 in Room K1. It was chaired by Olga Malandraki (OM), President of the Solar-Terrestrial (ST) Sciences Division of EGU. There were approximately 200 attendees at the meeting (mainly researchers associated to ST), attending in person as well as virtually. The slides presented and this report can be found at <http://www.egu.eu/st/reports/>.

## 1. Approval of Minutes and Agenda

The minutes of last year's DM and the agenda of this year's meeting were approved.

## 2. Awards and Medals 2022

OM presented the names of the 2022 awardee/medalists that were given:

*Hannes Alfvén*: The 2022 Hannes Alfvén ST Medal went to David J. McComas. Active for 2024.

In 2022 the ST *Arne Richter Award for Outstanding Early Career Scientists* (ECS) went to Chao Yue.

In 2022 the ST Division *Outstanding Early Career Scientist* (ECS) Award went to Victor M. S. Carrasco.

### 3. Medal Committees

The proposed Julius Bartels Medal Committee 2023 was approved during the ST Division Meeting by the meeting participants:

- Norma Crosby [CHAIR], Georgia Tsiropoula, Masatoshi Yamauchi, Volker Bothmer, Yuri Shprits [OUT], Quigong Zong [IN]
- For more information: <https://www.egu.eu/awards-medals/>

Discussion:

Nominations for next year medalists should be submitted to **awards.medals@egu.eu** (the final deadline for submission is **15 June, 2022**). The community is urged to come with suggestions for strong candidates!

For details see:

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

### 4. Outstanding Student Poster and PICO (OSPP) Award 2021

OM gave an overview of the participation in the OSPP and PICO Award. Following the cancellation in 2020, in 2021 the number of participants for the OSPP Award was 55 Abstracts, with no award awarded in 2021. 97 abstracts were registered for the OSPP Awards in 2022. OM presented the specific regulation for OSPP Contest 2022, i.e.:

Since there are **only oral presentations** this year, all participants are eligible for the contest:

- as the first and presenting author of the oral presentation
- either currently a BSc or MSc student or PhD candidate, or obtained their degree after the 1 January 2022.

OM highlighted the need for more judges to participate in the review process and took the opportunity to thank the conveners and judges for their contributions and efforts to make this possible!

## 5. ST Division Organisation and Officers

### ST Structure and Principles

OM continues her term (2019-2023) as ST Division President. Emilia Kipua was elected as the next ST Division President and will act as Deputy President of the ST division for 2023.

Additionally, the following Division Officers were appointed at the DM:

- **ST Programme Group Chair:** Olga Malandraki (2022, confirmed until 2023)

The following ST officers were approved during the ST Division meeting by the meeting participants:

### ST Scientific Officers 2023

- *Solar Physics:* Manuela Temmer (2022, confirmed for 2023)
- *Heliosphere:* Olga Malandraki (2022, confirmed for 2023)
- *Magnetosphere:* Yulia Bogdanova (2022, confirmed for 2023)
- *Ionosphere and Thermosphere:* Dalia Buresova (2022, confirmed for 2023)

## ST Liaison Officers 2023

- *Publications*: Manuela Temmer (2022, confirmed for 2023)
- *OSPP Coordinator*: Chao Xiong [OUT], Tarique Siddiqui [IN] (confirmed for 2023)
- *Early Career Scientist (ECS) Representative*: Maxime Grandin (confirmed for 2023)
- *Education and Public Outreach, News, Media, Webmaster*: Luke Barnard [OUT], Eleanna Asvestari [IN] (confirmed for 2023)
- *Scientific Affairs, Foreign Affairs, Division Liaison*: Olga Malandraki (confirmed for 2023)

The ST Division officers communicate as needed on issues such the EGU GA program, in particular the call for sessions, call for abstracts and the respective selection of sessions and abstracts for the final program. OM thanked all of them for the active involvement in shaping the programme of the ST division!

## 6. ST Early Career Scientist (ECS) Activities

OM announced the presentation of the ECS activities. Since Maxime Grandin, the ECS Representative, was not present, he had delegated Liliana Macotela (LM), member of the ST-ECS team to give this presentation. LM presented the ST-ECS team which consists of Maxime Grandine, LM, Theresa Rexer, Florine Enengl and Eleanna Asvestari.

LM highlighted the mission of the ECS team is to increase the visibility of ECSs and provide them with opportunities for networking. To this end, the following activities were organized and carried out:

- **“Campfire” event** organized on 18 March 2022 via zoom. This was the first-ever such event organized in our division. The main aim was to enable networking. There were breakout rooms dedicated on mental health and funding opportunities.

Furthermore, networking time by research topics was also available. 35 participants took part and there was positive feedback

- Participation in brainstorming on the design of a training programme to involve ECSs in peer-reviewing. Leads of the programme were Sam Illingworth and Mathew Reeve. The aim was to involve Copernicus journal editors. This constitutes an ongoing project in its early stages.
- Activities during EGU22
  - Tuesday 24 May, 11:00-12:00 CEST: Networking event for online participants, on Gathertown
  - Tuesday 24 May, 12:00-13:00 CEST: Networking lunch/picnic for onsite participants
  - Thursday 26 May, 17:00-18:30 CEST: “Meet the Experts: The Future of Solar-Terrestrial Sciences” short course (SC4.12, hybrid format: room -2.61/62 and online)

LM presented the teaser slide for the SC4.12 Meet the Experts short course session and the senior scientists invited to give presentations. The short course took place on Thursday May 26, at 17:00 CEST and was very well-attended.

LM also presented the plans of the ECS team for the upcoming year:

- Organization of **two Campfire events** (one in the autumn, one in the spring)
- Strengthening of cooperation with the **Blog and Outreach Team**
- Launch of a new Slack workspace for division members to network, advertise publications and scientific events, discuss science, seek peer support. ([egu-st-networking.slack.com](https://egu-st-networking.slack.com))
- Proposal for a “Meet the Experts” short course at EGU23 and organization of networking events during the GA
- Selection of next ST-ECS Representative by EGU23

## 7. ST Education and Public Outreach

OM informed the community about the activity in the ST blog. The team consists of:

- Eleanna Asvestari, (EA) Head Officer
- Luke Barnard
- Pietro Zucca
- Jia Jia
- Theodosios Chatzistergos
- Peijin Zhang
- Jamey R. Szalay

The mission of the team was highlighted i.e. to advocate community matters, disseminate the latest science results, promote ECS activities and support professional development. The primary media, the relevant blog and twitter of the ST division to promote these goals were shown, as well as their layout, contents and functionality.

Last year's activities included keeping the twitter account active, with an associated increase in the number of twitter followers, updating the blog page with several blog posts, and building a communication line with the ECS team.

An important goal is to highlight recently published science from across the division and highlights of the blog posts were presented as follows:

- 1) **Initiation and Heliospheric Evolution of a stealthy solar eruption:** Example of a blogpost on the paper by Pal et al. (2022) that studied the evolution of a streamer blow out Coronal Mass Ejection (CME). The paper was recently accepted for publication in the Frontiers in Astronomy and Space Sciences Journal. The results were also presented in EGU GA 2022 in session ST1.10.
- 2) **Resolving the very fine details of the Sun in low frequency radio:** Another recently accepted work for publication in the Astrophysical Journal (ApJ) was highlighted in our division blog.

The work is by Zhang et al. (2022) and they performed quiet Sun observations in the frequency range of 20-80 MHz with the Low-Frequency Array at a higher spatial resolution than before. The aim was the study of the fine details of the Sun

It was highlighted that our community's future lies on the hands of the ECSs and thus the ST education and Public outreach team built a communication link with the ECS team to help promote their activities further through the ST blog. Events were organized by the ST ECS team during EGU22 and strong participation to the ST-ECS networking campfire event took place.

Future plans were also presented and announced. The team will be enhanced in order to further promote the blog activity. An important aspect is that more people are brought in from across the ST division, thus there is hope that more inclusivity of the community will take place and spread of the load of the curating content. EA presented the goals for 2022-2023 which are:

- to publish on average 1 blog post per month, with 1000-1500 words,
- focus on topical ST science, but also provide space for community issues and professional development,
- further improve the diversity of blog authors, to better represent our wide community.
- continue to directly solicit content.
- be in a closer communication and collaboration with the ECS team of our division and promote their activities
- we would also appreciate community suggestions of content they could provide, or authors we can approach.
- Re-activate the facebook page

## 8. ANGIO Update

Ioannis Daglis (ID), Editor-in-Chief presented an update of Annales Geophysicae. The Annales Geophysicae Editorial Board was presented with the newly invited editors in bold.

A good number of dedicated special issues were organized and the titles and guest editors were presented.

A still decreasing number of submitted papers has been observed in 2021 compared to previous years i.e. 69 submitted papers in 2021 compared to 96 submitted in 2020 and 160 submitted in 2019. Possible reasons were again presented such as the situation with Covid-19, the reduced number of Special issues, the change to a 2-stage procedure of the journal in January 2018. Furthermore, there has been a move to open access system and increasing ACPs. It was noted that competitors (Journal of Atmospheric and Solar-Terrestrial Physics, Advances Space Research, Solar Physics etc) publish for free.

OM asked ID to discuss the issue of the 2-stage procedure imposed on the journal which may not have been received well by the ST community, on the level of the Publication Committee and possibly try to reverse the situation and stop this procedure for Annales Geophysicae. ID promised to carry this out and pinpoint the issue within the Publications Committee.

## 9. 2022 GA/ST Scientific Programme

Overall statistics of the 2022 General Assembly as well as the ST Division are shown in the ST DM presentation (see meeting slides). 12,423 active abstracts appear in the programme which corresponds to -9% relative to 2021. 777 active sessions compile the programme, with 614 short-oral sessions, 54 Short Courses, and 35 Medal and Award Lectures. Furthermore, 4 Union Symposia, and 6 Great Debates were organized. This shows the EGU22 is a great success despite the problems and obstacles encountered. The Registration numbers and



their breakdown in terms of on-site/virtual registrations was presented. The EGU membership as per 13.05.2022 was shown, with 14,988 members registered, out of which 9,135 were ECS participants. ECS events organized at EGU22 were highlighted with 42 short courses, 3 Networking and pop-up events led by and aimed at ECS, 32 Great Debates led by ECS, Jobs and Career Center initiatives as well as Outreach activities. Equality, Diversity and Inclusion (EDI) activities at EGU22 was presented and commented upon and EGU22 outreach activities were highlighted. The importance of providing feedback to the EGU22 Survey was underlined and the specific link via which participants can provide their feedback was also presented. Moreover, EGUsphere- The EGU Interactive community platform was presented (<https://www.egusphere.net/>) which is the not-for-profit open access preprint repository of EGU.

Details and explanations were also provided by OM, echoing EGU council, about the shifting of the date of the EGU22 GA from early April to late May, highlighting this was the first time in the history of the EGU General Assembly and sincerely there is the hope that it will be the last one! Discussions with the Austria Convention Center lead to the date of the 2023 GA not to be announced yet. Furthermore, the fact that there were no posters, or PICO this year, was explained since originally a hygiene plan had to be provided to the Austrian authorities. Including posters and PICOs in the programme appeared as a major risk in getting the plan approved. Large numbers of non-seated people mixing in closed spaces are viewed as too much of a risk to our attendee's health, safety and well-being in the current pandemic situation. Participants of the GA were encouraged to learn how to engage with policymakers at EGU22, through e.g. short courses, which provide practical tips in more effective engagement with the policymaking process and sharing experience.

## **10. EGU 2023 and the Future**

OM highlighted the June 15, 2022 deadline for the ST medal and Award Nominations, with particular invitation for the nomination of female researchers for the Julius Bartels Medal and the ECS awards. EGU23 will take place probably in May 2023, a matter decided not to be officially announced yet. OM urged the ST community to enjoy the EGU23 (Vienna, Austria & Online) experience!