

Planetary & Solar System Sciences Division Meeting

Stephanie Werner

2020 Sharing Geoscience Online



Meetings | Publications | Outreach | www.egu.eu

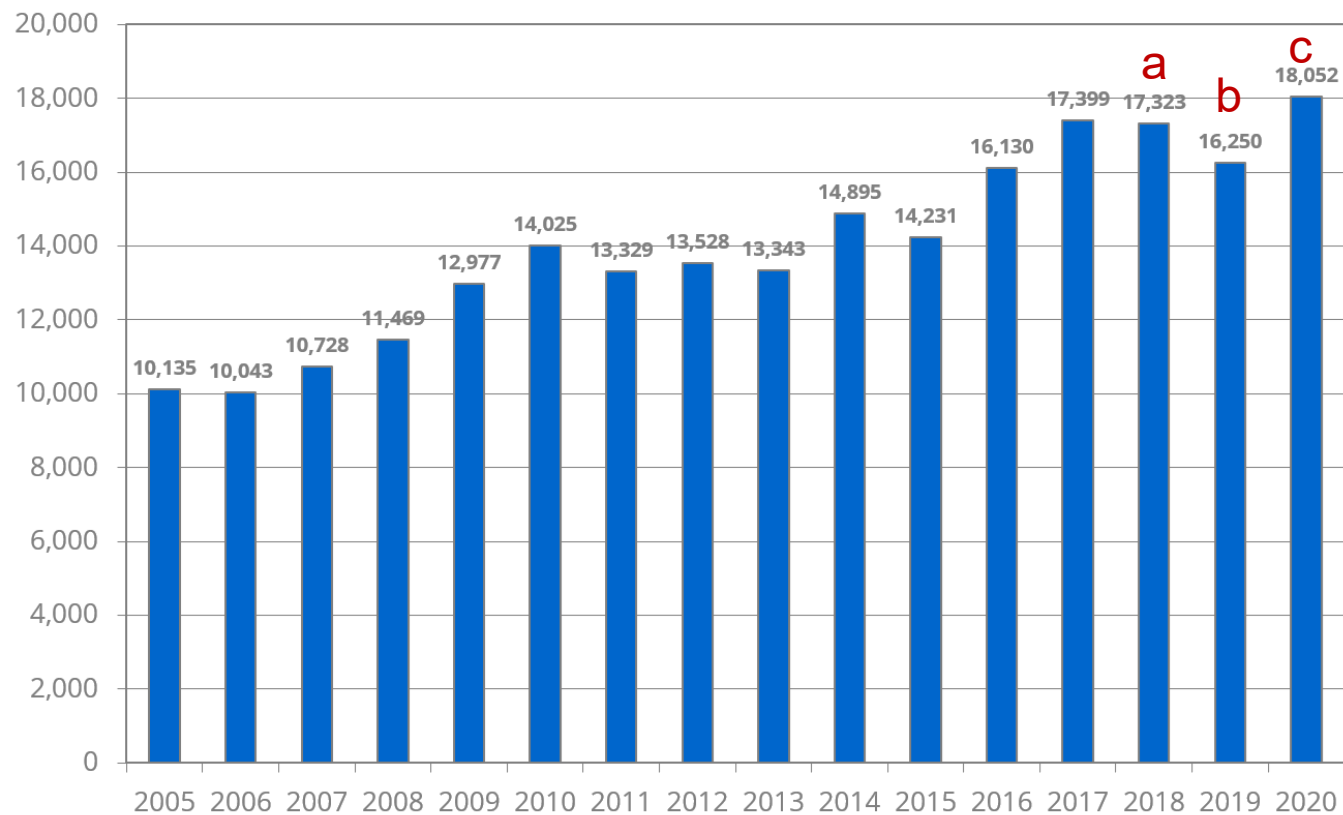
AGENDA

- SGO 2020 & PS Program
- Publications
- Medals/Awards
- PS Office
- ECS
- (Any other business?)

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

Number of abstracts: 468 (2019:777 2018:647)

PS lead sessions: 342 (2019:414 2018:361)

Number of ECS PS lead session 39% (2019 36%) still below average of 53%

PG abstract statistics

Active scheduled	342
Granted supports	None: 342 (100%) ECSTS: 4 (1%)
Presentations	Displays: 342 (100%)
Author identification specifics	ECS: 134 (39%)

All abstract statuses		
Submitted	Total:	468
	Thereof rejected:	0
	Thereof withdrawn:	14
Scheduled	Total:	454
	Thereof withdrawn displays:	2
Active scheduled	Total:	452

☐ All sessions ☒ Lead sessions only ☐ Co-organized only

Meeting abstract statistics

Active scheduled	18,056
Granted supports	None: 17,755 (98%) ESTS: 18 (0%) ECSTS: 283 (2%)
Presentations	Displays: 18,010 (100%) Orals: 46 (0%)
Author identification specifics	ECS: 9,620 (53%)

All abstract statuses		
Submitted	Total:	18,760
	Thereof rejected:	3
	Thereof withdrawn:	640
Scheduled	Total:	18,117
	Thereof withdrawn displays:	61
Active scheduled	Total:	18,056

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

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

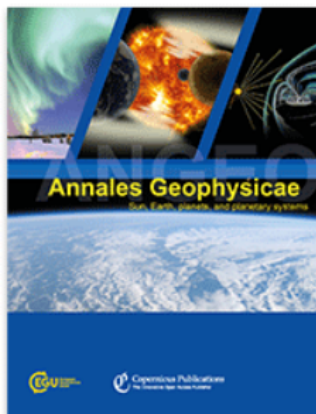
Code of Conduct

- 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

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

PS Publications



OPEN ACCESS ARTICLE LEVEL METRICS MODERATE ARTICLE PROCESSING CHARGES

Editors-in-chief: Ioannis A. Daglis, Christoph Jacobi & Ingrid Mann

Annales Geophysicae (ANGEO) is an international, multi- and inter-disciplinary scientific open-access journal in the field of solar-terrestrial and planetary sciences. ANGEO 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.

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News



Transition of ANGEO 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 ANGEO'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)

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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.

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PS AWARDS

JEAN DOMINIQUE CASSINI MEDAL & HONORARY MEMBERSHIP 2020

Pascale Ehrenfreund

[Home](#) / [Awards & medals](#) / [Jean Dominique Cassini Medal & Honorary Membership](#) / 2020 / 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.

Pascale Ehrenfreund is a talented, original and brilliant scientist whose very broad background in biology, astrochemistry and astrophysics, coupled with the ability to rapidly understand the wider, more far-reaching aspects of science, has enabled her to create new research fields as well as reach the highest levels of global space policy and leadership.

Ehrenfreund is among the founders of the field of astrobiology. Trained in biology and genetics, she completed her PhD in astrophysics at the University Paris VII and University of Vienna in 1990. The following year she obtained a habilitation in astrochemistry, with a collection of works entitled “cosmic dust”. Ehrenfreund has taught astrobiology as professor at the universities of Amsterdam and Leiden, was a distinguished visiting scientist at JPL, and a research professor at George Washington University. She has published more than 200 publications, which have been cited more than 13,000 times. She leads a research group conducting world-class research on organic molecules in the interstellar medium and in small bodies of our solar system.



Pascale Ehrenfreund

Ehrenfreund has served in a number of space projects, including science team membership on Smart-1, Exomars and Rosetta; interface scientist position for the Aerosol Collector Pyrolyser onboard Cassini-Huygens (enabling Austrian contribution, her scientific work on laboratory studies of Titan tholins was co-authored by C. Sagan); principal investigator for BIOPAN V and ISS EXPOSE-R experiments; and NASA project scientist position for the O/OREOS satellite. She was also among the initial proposers of the ExoMars rover mission and played a key role in the selection of its initial payload.

ARNE RICHTER AWARDS FOR OUTSTANDING EARLY CAREER SCIENTISTS 2020

Beatriz Sánchez-Cano

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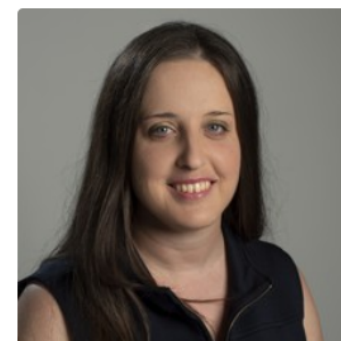
PS Planetary and Solar System Sciences

The 2020 Arne Richter Award for Outstanding Early Career Scientists is awarded to Beatriz Sánchez-Cano for her outstanding research on the complex variability of Mars' ionosphere through multi-instrument and multi-mission data processing, analysis and interpretation, as well as numerical modelling.

Beatriz Sánchez-Cano's research focuses on the ionosphere of Mars, for which she revealed a complex variability based on multi-instrument and multi-mission data processing, analysis and interpretation, as well as numerical modelling. Sánchez-Cano has led and published a number of very original studies that have contributed significantly to our understanding of ionospheric physics, such as the use of the Martian total electron content as a tracer for atmospheric cycles, the solar cycle effect on Mars' ionosphere, and the response of Mars' atmosphere to solar wind events.

Sánchez-Cano has been highly productive, having published 9 peer-reviewed articles and 1 peer-reviewed book chapter as first author. Her citation metrics are excellent for her stage of career and in her research field. Furthermore, her publications are commonly featured as an 'Editor's Highlight' and are among the most downloaded papers for JGR: Space Physics during the past two years.

Sánchez-Cano has acquired a broad and extensive knowledge of atmospheric and plasma physics and approaches topics with an interdisciplinary view. She



Beatriz Sánchez-Cano

DAVID BATES MEDAL 2020

Agustín Sánchez-Lavega

[Home](#) / [Awards & medals](#) / [David Bates Medal](#) / 2020 / Agustín Sánchez-Lavega

The 2020 David Bates Medal is awarded to Agustín Sánchez-Lavega for his exceptional contributions to solar system exploration and planetary atmospheric dynamics, as well as promoting young researchers, advancing interactions with amateur astronomers, and publicising planetary science.

EGU is honored to recognise the numerous and outstanding contributions of Augustin Sanchez-Lavega to planetary science by awarding him the 2020 David Bates Medal. Sanchez-Lavega has had a long and illustrious career as a researcher, scholar, educator and mentor. In addition to his professional activities, Sanchez-Lavega has worked hard to share the excitement of planetary science with the general public and to facilitate collaboration between professional and amateur astronomers.

Sanchez-Lavega is an internationally renowned expert in the field of dynamics of planetary atmospheres. He has published extensively on Venus, outer planets, Mars and Titan, with more than 200 journal articles, 11 book chapters, hundreds of abstracts at scientific conferences, and a successful book titled “An Introduction to Planetary Atmospheres” that is used at many universities. His publications have had a big impact on the field, which is evident from his publication and citation record.

Sanchez-Lavega has investigated the general circulation and vertical structure of Venus, Jupiter and Saturn. He led the studies of Saturn’s convective storms, being the first to report the existence of a south polar vortex and to propose that the polar hexagon wave has its roots deep in Saturn’s atmosphere. Sanchez-Lavega also made noteworthy contributions to the understanding of the structure of Jupiter’s Great Red Spot and the discovery of circumpolar Rossby waves at



Agustín Sánchez-Lavega

OUTSTANDING STUDENT POSTER AND PICO (OSPP) AWARDS 2019

Anna Mittelholz

[Home](#) / [Awards & medals](#) / [Outstanding Student Poster and PICO \(OSPP\) Awards](#) / [2019](#) / Anna Mittelholz

PS Planetary and Solar System Sciences

The 2019 Outstanding Student Poster and PICO (OSPP) Award is awarded to Anna Mittelholz for the poster/PICO entitled:

First results from the InSight FluxGate Magnetometer: Constraints on Mars' crustal magnetic field at the landing site (Mittelholz, A.; Johnson, C. L.; Langlais, B.; Lognonne, P.; Pike, W. T.; Joy, S. P.; Russell, C. T.; Yu, Y.; Ansan, V.; Grott, M.; Krause, C.; Spohn, T.; Widmer-Schmidrig, R.; Smrekar, S. E.; Banerdt, W. B.)

Anna Mittelholz is a PhD student at the University of British Columbia in Canada. Her research aims to understand the static crustal and time varying external magnetic field of Mars, and their interactions.

For the 2019 EGU general assembly, Anna presented a poster displaying first results of the magnetometer on the InSight Mars lander. This mission has been operating since November 2018 and its magnetometer represents the first surface observatory giving us primary indications on Mars' strong crustal magnetic field, and time variations as observed from the ground.



Anna Mittelholz

CONGRATULATIONS!

All medal lectures are postponed to 2021

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AWARDS & MEDALS

Awards & medals nomination

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The EGU awards & medals programme recognises every year eminent scientists for their outstanding research contribution in the geosciences, and identifies the awardees as role models for the next generation of early career scientists to foster geoscience. The Maurice Krafft Award recognises excellence in geoscience outreach while the Angela Croome Award for journalism recognises excellence in space science journalism.

Checklist for submitting nominations

1. Have you read the guidelines for [proposal and selection](#)?
2. Do you know that members of the award committee are elected for a two-year term and that the award is given for two years after stepping down from their service?
3. Did you check whether the person you are nominating and that they are compatible with your nomination?
4. If applicable, are you aware of the implications? It is possible to award recognition shared between individuals; in such cases, the award will not subsequently be awarded for as many years as the number of recipients exceeds one (two years for two recipients, three years for three recipients etc.).
5. Did you check what the nomination package must contain for the award or medal you are submitting a nomination form? Did you check the documents meet the requirements (including maximum length) for nomination?
6. Does your nomination letter clearly explain why the candidate deserves this recognition?

Nomination DL June 15, 2020 for next years awards and medals
See <https://www.egu.eu/awards-medals/nominations/>

Runcorn-Florensky Medal

David Bates Medal

Originally biannually each, now only one medal therefore we are searching for a new name:

**Representative for the Planetary and Solar System Science Division
??? Runcorn-Florensky-Bates 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.

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.

Call for NEW Medal Name

Runcorn-Florensky Medal

David Bates Medal

Originally biannually each, now only one medal
searching for a new name:

Representative for the
??? Runcorn-Florensky Medal

This medal is awarded by the Planetary & Solar System Sciences Division in recognition of the scientific and editorial achievements of Sir David Robert Bates. It is named after the contributions to planetology, defined in its

It is awarded by the Planetary & Solar System Sciences Division in recognition of the scientific and editorial achievements of Sir David Robert Bates. It is named after the contributions to planetology, defined in its

**We are still looking for suggestions
(like last year) by September 1, 2020
ps@egu.eu or awards.medals@egu.eu**

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

Division on Planetary and Solar System Sciences

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President: Stephanie C. Werner (ps@egu.eu)

Deputy President: Özgür Karatekin (ozgur.karatekin@oma.be)

The aim of the **Planetary & Solar System Sciences Division of the EGU** is the promotion of all fields of planetary sciences, ground-based and space mission exploration of the solar system and beyond, and related models. PS covers papers on both fundamental and applied topics regarding the exploration of the Solar System. The Division, devoted to Science applications in Space, hosts interdisciplinary contributions on the origins and the evolution of the Solar System and the exoplanetary Systems, as well as ideas for future exploration while largely contributing to outreach and educational activities for all audiences.

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PS PLANETARY AND SOLAR SYSTEM SCIENCES

Structure

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	Lee Grenfell Space Weather, Climate, Habitability, and Life in (Exo-) Planetary Context	lee.grenfell@dlr.de
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PS PLANETARY AND SOLAR SYSTEM SCIENCES

Structure

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Welcome to incoming president:



STEPHEN J. MOJZSIS

Professor of Geology, Planetary Science & Geochemistry

Ph.D. (1997) Earth Sciences, UCSD Scripps Institution of Oceanography

Present affiliations:

Department of Geological Sciences, University of Colorado, Boulder, CO 80309, USA

Hungarian Academy of Sciences, H-1112 Budapest, Hungary.

Thank you to all my colleagues in the European Geosciences Union for electing me President of the Planetary Sciences (PS) division. I look forward to working with you!

CONGRATULATIONS!

You will meet Steve in person in 2021

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

Sushil Atreya (**new Chair 2019**)

Cathy Quantin-Nataf

Bruno Bézard

Jean-Pierre Lebreton

Tim Van Holst (**new in 2019**)

One committee member will need to be exchanged:
awaiting full recommendations from Council on
committee diversity

ECS update

Maike Brigitte Neuland

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ECS at #ShareEGU20

1. ECS members engagement via EGU blog

- #shareEGU20: meet the EGU Early Career Scientist Reprs. + online ECS Forum
- A blog post series on (Divisions and) ECS Division Reprs
- Welcome to the ECS Representatives new in their function

2. Networking events

- We will run a series of ECS Networking event – one per division - during the evenings of #shareEGU20 (Monday to Thursday), called Networking with ECS of “Name of Division” (e.g. *Networking with ECS of NH Division*). The most part of ECS Div. Reprs. has agreed to chair the relative Division event.

3. Pride @EGU

- On Friday evening, we will organize an informal event devoted to raise the visibility of LGBTI+ and underrepresented categories within ECS (gender, disability, countries..) and beyond.
- Chaired by EMRP Division with the support of EDI WG



ECS at #ShareEGU20

4. EGU kid's art activity

- This year the EGU kid's art activity is going online! Throughout the week of EGU's Sharing Geoscience Online we will be sharing art from kids through the EGU social media accounts and at the end of the week we will share the art in an online gallery on the EGU website!
- #shareEGUartKIDS
- Organized by GMPV Division



5. GDB and SCs

- GDB: “Cutting carbon in the geosciences: conference participation versus online streaming and fieldwork versus remote observations”
- e.g SC: “Blogging science/blogging as a group”

1. pre-#ShareEGU20 ECS Representatives Virtual workshop

2. Virtual meeting to manage the ECS Div. Reprs. transition (After ShareEGU20 week)

- Provide strategic input from the ECS Representatives to EGU:
 - i. feedback from ECS Division Representatives on what they have and are working on and their general role as ECS Representative;
 - ii. stimulate interaction and bonding between the ECS Representatives allowing the ECS Representatives to finalize their cohort's strategic and tactical plan.
- Feedback from outgoing ECS Representatives on #ShareEGU20
- Welcome all ECS Reprs. new in their function and integrate them in the community efficiently,
- Bring all ECS Representatives up to speed with how EGU works, what the ECS Representatives are working on and their general role as ECS Representative.

What is Next?



New Union-level ECS Representative

Anouk Beniest

TS Division

GEOMAR, Helmholtz Centre for
Ocean Research, Germany



New Deputy Union-level ECS Representative

Anita Di Chiara

EMRP Division

INGV - Rome / Scripps - La Jolla, USA

The new PS ECS Team

To be led by Joshua Dryer (German, PhD in Uppsala), and including Isabela Martins (from Brazil, working in Göttingen) Adhithiyar Neduncheran (Indian, working in Rome) and me (Maike Brigitte Neuland).



Welcome new PS ECS team!

Thank You, Maike, for your four years of being PS ECS representative!

Contact: ecs-ps@egu.eu

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Thank you for daring the experiment of EGU GA 2020 Sharing Geosciences Online

See you all latest in 2021



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