

TS TECTONICS AND STRUCTURAL GEOLOGY

Division on Tectonics and Structural Geology

Welcome to the 2020 TS Division Meeting

In the following slides I would like to present the awardees of the *Stephan Mueller medal*, of the *Early Career Science Award*, and of the *Outstanding Student Poster and PICO* awards.

The medal lectures have been reported to the
GA 2021

Stephan Mueller Medal 2020: Mathilde Cannat



The 2020 Stephan Mueller Medal is awarded to Mathilde Cannat for her invaluable contributions to the understanding of the tectonic and magmatic evolution of mid-ocean ridges and the formation of oceanic crust.

Long citation at:

<https://www.egu.eu/awards-medals/stephan-mueller/2020/mathilde-cannat/>

Outstanding Early Career Scientist 2020: Christoph von Hagke



The 2020 Division Outstanding Early Career Scientist Award is awarded to Christoph von Hagke for his wide-ranging contributions to the kinematics and dynamics of plate boundaries, their interactions with foreland basins, and with magma transport.

Long citation at:

<https://www.egu.eu/awards-medals/division-outstanding-ecs-award/2020/christoph-von-hagke/>

Outstanding Student Poster and PICO Awards 2019



Alex Hugues

The 2019 Outstanding Student Poster and PICO (OSPP) Award is awarded to Alex Hugues: “A new quantitative approach in modelling regional tectonic processes and syn-depositional systems in coupled analogue-numerical models “



Hans Jørgen Kjøll

The 2019 Outstanding Student Poster and PICO (OSPP) Award is awarded to Hans Jørgen Kjøll: “Deep section of a Neoproterozoic fossil magma rich rifted margin exposed”

The following slides present the past members, and the proposed new ones, for the medal and award committees of the TS Division.

They need approval from the community members present at the Division Meeting.

Therefore, I would kindly ask anyone who is against the new proposal to express this by messages in the chat.

Stephan Mueller Committee: following the usual 4-year « rotation » the 2016 medallist ([Renée Heilbronner](#)) will be replaced by the 2020 medallist ([Mathilde Cannat](#))

Early Career Science Award committee : following the usual 4-year « rotation» the 2016 awardee ([Åke Fagereng](#)) will be replaced by the 2020 awardee ([Christoph von Hagke](#))

TS Division Officers: following her election as Division President for the 2021 to 2023 term, [Paola Vannucchi](#) will replace [Magdalena Scheck Wenderoth](#) as a Deputy President from today until the next GA in 2021.

[Silvia Brizzi](#) will replace [Michael Kettermann](#) as TS media and web officer

A heartfelt thank you to Renée, Åke, Leni and Michael for their work in the past years!

TS 2019-2020 officers

- President:

Claudio Rosenberg



- Deputy-president:

Magdalena Scheck-Wenderoth



- Programme officers:



Philippe Yamato



Zoe Mildon



Lucilla Benedetti



Florian Füsseis



Bernhard Grasemann

- OSPP:

Fabrizio Balsamo



- Media and Web:

Michael Kettermann



- ECS Rep.:

David Blanco



TS 2020-2021 officers

- President:

Claudio Rosenberg



- Deputy-president:

Paola Vannucchi



- Programme officers:



Philippe Yamato



Zoe Mildon



Lucilla Benedetti



Florian Füsseis



Bernhard Grasemann

- OSPP:

Fabrizio Balsamo



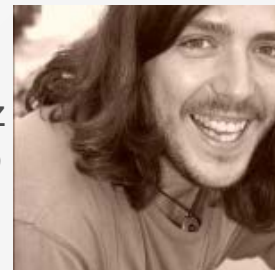
- Media and Web:

Silvia Brizzi



- ECS Rep.:

David Fernandez
Blanco



The Stephan Mueller Medal committee 2019-2020

Chair: Past TS president, Susanne Buiter



Members:



2016:
Renée Heilbronner



2017:
Cees Passchier



2018:
John Platt



2019:
Serge Lallemand

Ex-officio members: TS president Claudio Rosenberg and chair of the EGU awards committee Özgür Karatekin

The Stephan Mueller Medal committee 2020-21

Chair: Past TS president, Susanne Buiter



Members:



2017:
Cees Passchier



2018:
John Platt



2019:
Serge Lallemand



2020:
Mathilde Cannat

Ex-officio members: TS president Claudio Rosenberg and chair of the EGU awards committee Özgür Karatekin

**Please find a moment to select and
nominate colleagues for the
S. Mueller medal!**

Dead-line is 15th of June

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

TS Division OECSA committee 2019-2020

Chair: TS president, Claudio Rosenberg



Members: Last awardees

2016:
Åke Fagereng



2017:
João Duarte



2018:
Fabio Corbi



2019:
Daniel Pastor Galan



TS Division OECSA committee 2020-2021

Chair: TS president, Claudio Rosenberg



Members: Last four awardees



2017:
João Duarte



2018:
Fabio Corbi



2019:
Daniel Pastor Galan



2020:
Christoph von Hagke

**Please find a moment to select and
nominate colleagues for the
ECS award!**

Dead-line is 15th of June

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

ECS staff and activities

Blog Team



Hannah Davies *Lead*
Blog editor

Elenora van Rijsinger
Anne Pluymakers
Samuele Papeschi
David Fdez-Blanco
Derya Güler

Features from the Field



Geology in the City



Beyond Tectonics



Mind your Head



Meeting Plate Tectonics



Minds Over Methods

Media Team



Silvia Brizzi
Lead Media manager

Gino de Gelder; Sudheer Kumar Tiwari; Michael Kettermann



Monday post



Friday jobs



EGU Solid Earth



David Fernández-Blanco
TS ECS Repr.
Barcelona Center of Subsurface Imaging (CSIC-ICREA, SP)

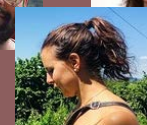
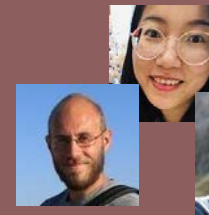
Activities Team



David Fdez-Blanco
Lead Activities manager

Gianluca Frasca; Pan Luo Folarin Kolawole; Eldert Advokaat; Anouk Beniest; Utsav Mannu; Silvia Crosetto; Patricia Cadenas; Benoit Petri; Marta Marchegiano...

Pre-GA Fieldwork



SC & others

TS Must Read papers (soon), and more...



search: TSdivision



@EGU_TS



ts@egu.eu

Early Career Scientists Team

Plans for GA 2020 and beyond

6 SC proposed for EGU20

2 SC in the #shareEGU20:

Mind your Head

Science blogging for beginners

Actions to enlarge community involvement

a. A community-wide action:

TS Must Read papers

a. 2 fieldwork activities

Leading a change towards a better ECS
communication EGU-Wide

Highlights from GA 2019 and/or during the year

GA 2019 TS ECS dinner, social drinks and other
networking activities

New 3-fold team structure: blog, media & activities

New Chief Blog Editor: Hannah Davies

New Media Manager: Silvia Brizzi

Engaging with an active community

Twitter (>800 followers)

Facebook (>2850 friends)

Blog (2700 unique page views)

Join us!!

**We want more ECSs to ROCK the Tectonic
& Structural Geology community!**



search: TSdivision



@EGU_TS



ts@egu.eu

Early Career Scientists Team

Announcement of a new TS community-wide activity

Take a couple of minutes to **recommend** a handful of **articles** you think **all ECS TS scientists must read**

<https://tinyurl.com/yc7vwm2m>

Selected papers will be **discussed bi-weekly**, and discussions will be summarized in **blog posts** and a **compilation preprint**



search: TSdivision



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ts@egu.eu

Some TS Program abstract statistics

TS Division:

795 abstracts in TS lead-sessions (750 in 2019)

1461 abstracts including co-organized sessions (1543 in 2019)

ALL EGU:

- **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

Monday and tuesday, 1967 « users » attended the TS chats!



Stephan Mueller Medal



TS Division Medal:

The description of the scope of the medal has been slightly modified after discussion at the TS Division Meeting 2019 and a decision by the EGU Council in October 2019.

The previous description:

*“This medal was established by the **Tectonics and Structural Geology Division** in recognition of the scientific achievements of Stephan Mueller. It is awarded to scientists in recognition of their outstanding contributions to **tectonics and lithosphere geophysics.**”*

has been modified to :

*“This medal was established by the **Tectonics and Structural Geology Division** in recognition of the scientific achievements of Stephan Mueller. It is awarded to scientists in recognition of their outstanding contributions to **tectonics and structural geology.**”*

This change makes the description of the scope of the medal coherent with the TS Division name and with the medal descriptions of the other EGU divisions.



Reassessing whether the TS Division Medal should be kept or changed:

Contact authors of the TS Program 2020 were recently asked by email if they consider that a change of the TS Division medal name is appropriate or not.

The results of our survey are as follows:

- 216 responses by email
- 156 in favour of changing the name
- 56 against changing the name
- 4 in favour of different possibilities than the one proposed in our email

Out of the 156 emails wishing a name change the following preferences were expressed: 107 for Marie Tharp, 17 for Janet Watson, 16 for Patience Cowie, 4 for Maria Ogilvie Gordon, and 12 for several other names.

Please note that this is by no means a decision!

It is merely an indication of the opinion of part of the TS community that will be communicated to the EGU Council, where a discussion and decision may take place

EGU Governance

2020/21 EGU Governance Review

Governance Review Panel:

Toby Rhodes (Independent Chair)

Ulrich Pöschl (Publications Committee Member, AS)

Raffaele Albano (outgoing ECS Representative, NH)

Susanne Buiter (outgoing Programme Committee Chair, TS)

Claudia Jesus Rydin (Chair, Equalities & Diversity Working Group)

Katja Fennel (Chair, Publications Committee, BG, OS)

Helen Glaves (outgoing Division President, ESSI)

Dan Parsons (Division President, GM)

Giuliana Panieri (outgoing Division President, BG)

Chris King (Chair of Education Committee)

Philippe Courtial (EGU Executive Secretary)

Email: governancereview@egu.eu

EGU Governance Review: *Objectives*

A governance review is an opportunity for the EGU to reflect on its governance arrangements in order to best serve the current and future needs of the organisation, the members, the scientific community and global concerns.

In particular, the governance review will:

- determine whether the governance processes and structures of the EGU are fit for purpose
- make recommendations for any changes to better serve the current and future needs of the EGU and its members

Objectives of the EGU Governance Review

To review the governance processes and structures of the EGU, and make recommendations for any changes to enable the organisation:

- to best deliver its [Mission and Vision](#)
- to best serve the current and future needs of the organisation and its members;
- to ensure EGU structures deliver appropriate scientific and professional diversity and representation amongst EGU committees and boards

Terms of Reference: The full EGU Governance Review Terms of Reference [is available to download here](#)

EGU Governance Review Scope: *Timescales & Contact*

Timescales

- The Governance panel will convene in late May 2020, and conduct their review over the following 9-12 months.
- The Governance Review will produce an interim report to the EGU Council in October 2020, and a final report with recommendations in January 2021.
- The Governance Review will report to EGU members at the 2021 EGU General Assembly. If any changes to EGU governance require EGU Members to vote, this will take place at the EGU General Assembly.
- Implementation of any agreed governance changes will take place following the 2021 EGU general assembly

EGU Governance Review Scope: *EGU Member Input*

EGU members may input their views to the Governance Review via their divisional representatives on EGU Council

EGU members may also contact the Governance Review Panel directly via email at:

governancereview@egu.eu

If you would like to actively participate
in building the TS program of the next
GA...

How do we build the program?

Bottom-up – your input is extremely important!

- ‘Skeleton’-program: June
- Open call-for-sessions: June to September
- First session program (October)
- Call-for-abstracts
- Session merges... (January)
- Final session program (February)

How do we build the program?

Please consider that it is VERY (!!) easy to propose a session...but it implies possible later session merges...

Check what has already been proposed before proposing new sessions.

And...the GA is 5 days long from 08.30 on Monday to 19.00 on Friday. Sessions on monday morning or Friday afternoon are not punishments, just part of the official program!

Suggestions for future assemblies

Anything you would like to share on the GA or the TS division?
Please send us your feedback at:

<https://egu2020.eu/feedback>

Become involved!

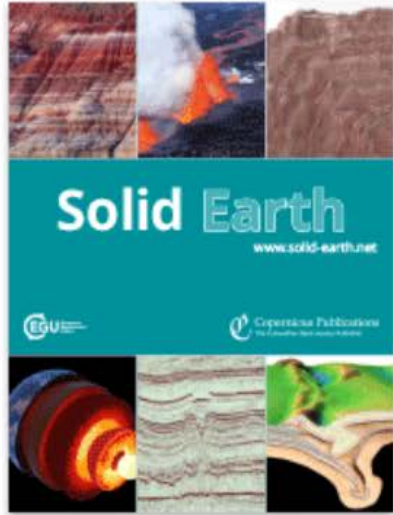
Wishing to organize a thematic meeting with EGU support?

Have a look at the EGU conference series:

<https://www.egu.eu/meetings/conference-series/>

Proposals can be submitted from 1st of June to 15th of August 2020 for conferences taking place in 2021.

Solid Earth is EGU's journal addressing topics of many divisions



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ARTICLE LEVEL
METRICS



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Advisory board: Sierd Cloetingh (chairman), Jean-Pierre Brun, Donald B. Dingwell, Bilal Haq, John Ludden, Hans Thybo & Trond H. Torsvik

Solid Earth (SE) publishes multidisciplinary research on the composition, structure, and dynamics of the Earth from the surface to the deep interior at all spatial and temporal scales.

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Solid Earth (SE) is a not-for-profit journal that publishes multidisciplinary research on the composition, structure, and dynamics of the Earth from the surface to the deep interior at all spatial and temporal scales.

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SJR	SJR 0.779
SJR	Scimago H index 32
g	h5-index 31

Definitions

Abstracted/indexed

- Science Citation Index Expanded

Tectonic plate interactions, magma genesis, and lithosphere deformation at all scales

Core and mantle structure and dynamics

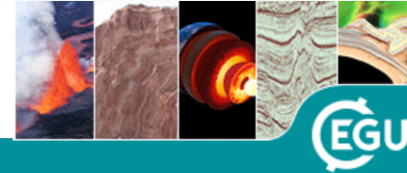
The evolving Earth surface: erosional, sedimentary, morphotectonic, and volcanic processes

Crustal structure and composition



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Crustal structure and composition

Relevant editorial teams:

- **Geochemistry, mineralogy, petrology, and volcanology** | J. Gottsmann, A. di Muro, M. Heap, A. Longo, and P. Rey
- **Seismics, seismology, geoelectrics, and electromagnetics** | C. Krawczyk, U. Werban, M. Malinowski, T. Nissen-Meyer, and I. Bianchi
- **Stratigraphy, sedimentology, and palaeontology** | E. Samankassou, J. Eggenhuisen, S. Gardin, and A. Stroeven
- **Geodynamics, geodesy, gravity, and geomagnetism** | S. Buiter, J. Aubert, A. Davaille, T. Gerya, N. Gillet, M. Manda, and S. McClusky

Recent papers

27 Mar 2019

Actors, actions and uncertainties: Optimizing decision making based on 3-D structural geological models

Fabian Antonio Stamm, Miguel de la Varga, and Florian Wellmann

Solid Earth Discuss., <https://doi.org/10.5194/se-2019-57>, 2019

Manuscript under review for SE (discussion: open, 0 comments)

27 Mar 2019

The internal structure and composition of a plate boundary-scale serpentinite shear zone: The Livingstone Fault, New Zealand

Matthew S. Tarling, Steven A. F. Smith, James M. Scott, Jeremy S. Rooney, Cecilia Viti, and Keith C. Gordon

Solid Earth Discuss., <https://doi.org/10.5194/se-2019-62>, 2019

Manuscript under review for SE (discussion: open, 0 comments)

▶ [Short summary](#)



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**Hope to meet you non-virtually
at the next GA in Vienna in 2021**

Thank you and enjoy the meeting!