

# GD Division Meeting 2022

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Jeroen van Hunen

25<sup>th</sup> May 2022

gd@egu.eu



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

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# GEODYNAMICS DIVISION MEETING 2022

## Agenda:

1. GD Medals and Awards
2. OSPP award
3. Early Career Scientists
4. GD Blog
5. Structure of the division
6. Meeting statistics, feedback & ideas for the future
7. EGU Conferences
8. EGU Publications
9. Any other business

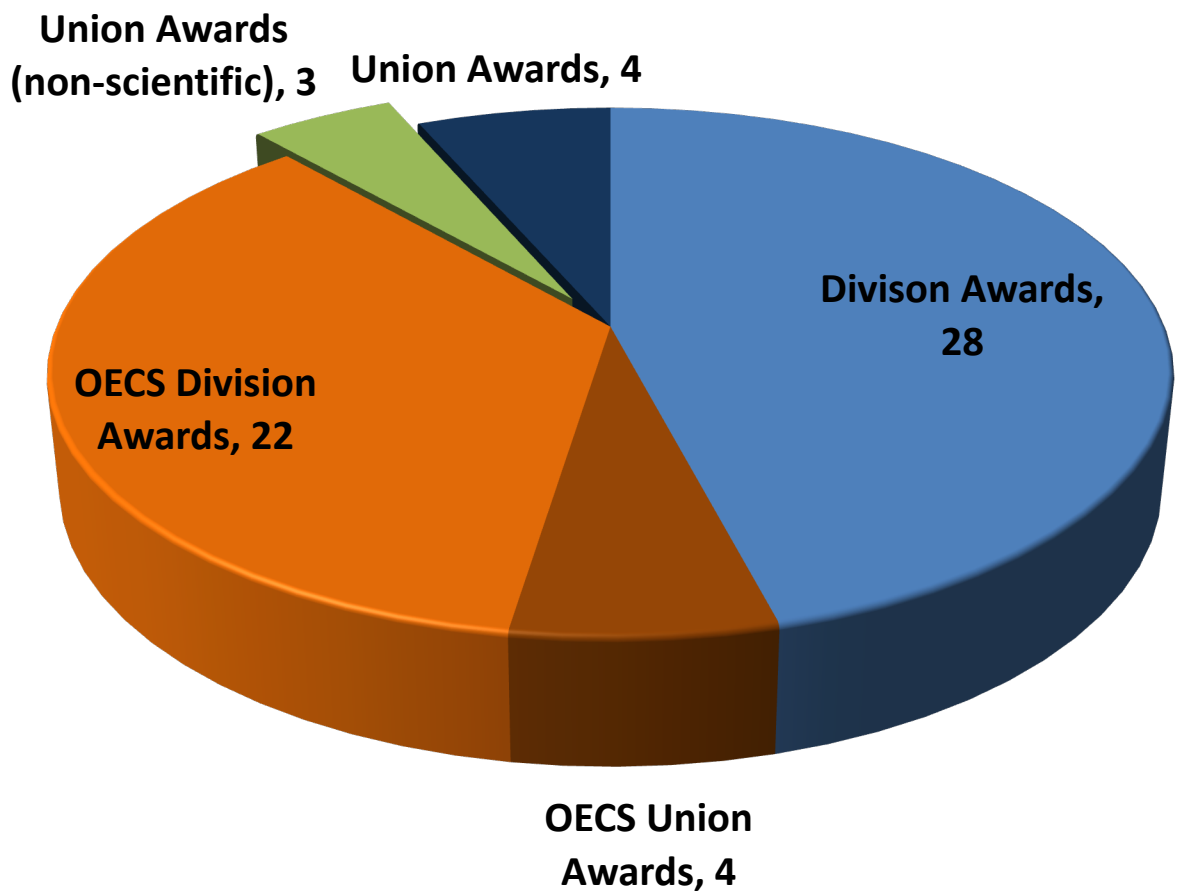


# Medals and Awards



# EGU awards & medals

EGU features an extensive awards and medals programme on all career stages



- Awards
- Four prestigious **Union medals**, recognising excellence in scientific research
  - Four Union awards for **Outstanding Early Career Scientists**, services for the Union, science journalism, and outreach
  - 28 **division medals**, awarded for significant disciplinary contributions in Earth, planetary and space sciences
  - 22 **division awards** for **Outstanding Early Career Scientists** and **General Assembly awards** for students



## The EGU Awards & Medals:

### At Union level:

- The Union Medals for senior scientists including the most prestigious awards made by the Union that are associated with an EGU Honorary Membership. **Arthur Holmes Medal** (J-P. Brun, T. Torsvik, C. Laj, K. Burke, S. Cloetingh, V. Courtillot, ...)
- The Union **Arne Richter Outstanding Early Career Scientists Awards**

### At Division level:

- The Division **Outstanding Early Career Scientists Award** (1)
- The **Division Augustus Love Medal** for a distinguished scientist (1).

In relation with its General Assemblies, EGU presents the **Outstanding Student & PhD (OSPP) Award** to further improve the overall quality of presentations and, most importantly, to foster the excitement of younger colleagues in presenting their work.



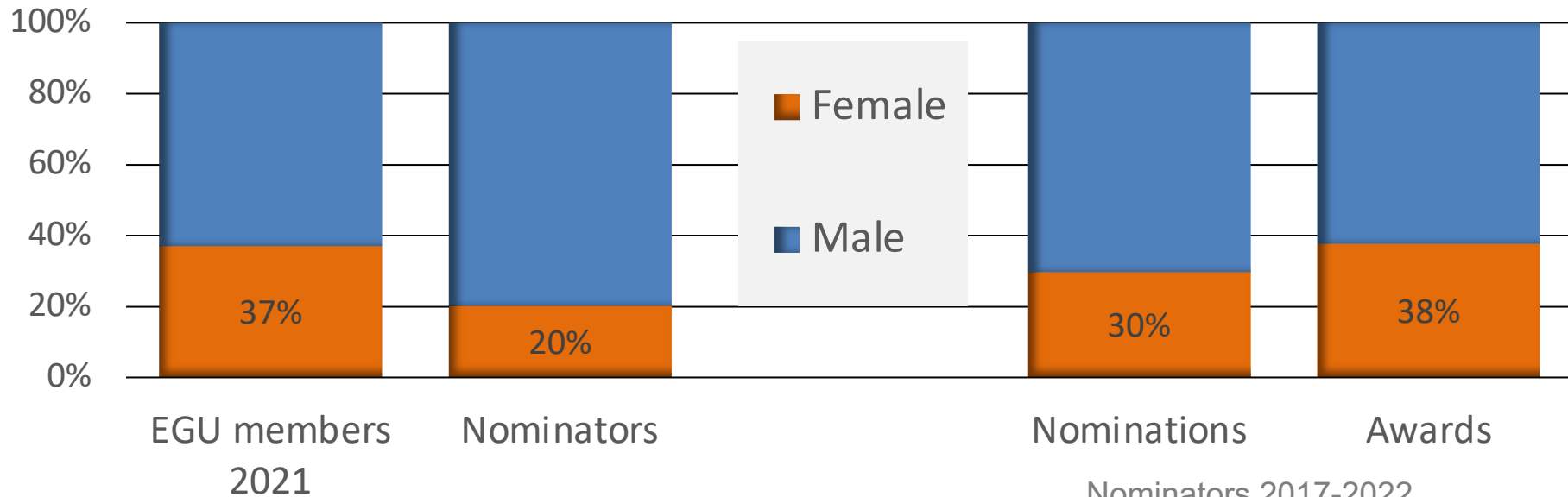
- **Nominations are exclusively by EGU members\*** while candidates do not need to be EGU members. (\*An exception is one award to promote excellence in journalism allowing nominations from non-members and self nominations)
- Individual award and medal committees are then evaluating the nominations selecting the most deserving candidate based on scientific achievements\*\*. (\*\*plus one medals each for journalism, outreach and service to the union)



# EGU awards & medals

- **All** members are strongly encouraged to contribute to the awards program by nominating suitable candidates.
- When nominating please think about people who may have been overlooked in your discipline.
- If you do not nominate nobody will.

## Members, Nominators, Nominees, and Awardees



Nominators 2017-2022  
Nominations and Awards 2018-2022



**The Division Outstanding Early Career Scientist Award (OECSA)** recognizes scientific achievements in the field covered by the related Division, made by an early career scientist.

Early career scientist:

<7 years from highest degree (normally PhD)  
(no age limitation)

**Selection procedure:**

by votes of the Division Officers

The “winner” of the Division OECSA competes for the Arne Richter EGU OECSA with other divisions OECSA winners





[Home](#) / [Awards & medals](#)

/ [Division Outstanding Early Career Scientist Awards](#) / [2022](#)

/ [Timothy J. Craig](#)

Site search



### **GD** Geodynamics

The 2022 Division Outstanding Early Career Scientist Award is awarded to Timothy J. Craig for fundamental and multi-disciplinary contributions to geodynamics, such as developing a new paradigm for intraplate earthquakes, and uniting disparate datasets in a single geodynamic framework.



See <https://www.egu.eu/awards-medals/division-outstanding-ecs-award/2022/timothy-j-craig/>



**The Augustus Love Medal is awarded to a distinguished scientist in the field of geodynamics, comprising mantle and core convection, tectonophysics, post-glacial rebound and earth rotation.**



*The medal has been exclusively designed for the EGU by József Kótai.*



AUGUSTUS LOVE MEDAL 2022

# David Bercovici

[Home](#) / [Awards & medals](#) / [Augustus Love Medal](#) / 2022 / David Bercovici

Site search



The 2022 Augustus Love Medal is awarded to David Bercovici for fundamental and long-lasting contributions that advance our understanding of the dynamics and evolution of mantle convection, lithospheric rheology and plate tectonics.

David Bercovici has made groundbreaking and lasting contributions to many areas of geodynamics, including our understanding of the fundamental processes that promote plate tectonics on Earth, the mechanics that lead to intraplate volcanism, the storage of volatiles in the Earth's mantle, planet-scale convection processes, and more recently, strategies for long-term carbon storage in the crust. What sets him apart is his keen ability to distill important geophysical processes down to the essential physics that control the behaviour he is investigating – and his insight into how to frame and scale the problems to provide practical and innovative solutions to long-standing geodynamic problems.



David Bercovici

See <https://www.egu.eu/awards-medals/augustus-love/2022/david-bercovici/>




## GD Award & Medal lectures @ EGU22

MAL9

### Augustus Love Medal Lecture by David Bercovici

Convener: Jeroen van Hunen 

▶ [Abstract](#) ★ | Tue, 24 May, 19:00–20:00 (CEST)  Room D3

MAL39

### GD Division Outstanding ECS Award Lecture by Timothy J. Craig

Convener: Jeroen van Hunen 

▶ [Programme](#) ★ | Thu, 26 May, 11:17–11:24 (CEST)  Room -2.91



# GD Award & Medal lectures @ EGU22

ECE1

## EGU Medal & Award Celebration ▶

It is EGU's great pleasure to honour our medallists & awardees for their dedication to science and the outstanding achievements they have made throughout their scientific career.

### Public information:

- 17:30 – Opening by the EGU President & Vice-Presidents
- 17:45 – EGU Public Engagement Grants
- 17:48 – Katia and Maurice Krafft Award
- 17:50 – EGU Division Medals
- 18:05 – EGU Division Outstanding ECS Awards
- 18:15 – Union Awards
- 18:25 – Arne Richter Awards for Outstanding ECS
- 18:35 – Union Medals
- 18:55 – Closure
- 19:00 – Reception

Share: <https://meetingorganizer.copernicus.org/EGU22/session/44559> 



Convener: Helen Glaves 

★ Wed, 25 May, 17:30–19:00 (CEST)  Room E1



## GD Medal Committee

### Composition of the Division Medal committees:

- **Chair:** Term is one year and can be renewed 3 times.
- **Minimum three additional members**, including past medalists/awardees. New this year is an ECR. Term is one year, but can be renewed three times. At least one member of the committee is replaced every year.
- Division president as ex-officio member.
- Chair of the Union Awards Committee as ex-officio member.



# GD Medal Committee

**2023**



Committee Chair	Committee Members without Ex-Officio Members	Term #	Medal/Award
Paul Tackley	David Bercovici	1	2022
	Tim Craig	1	2022
	Harro Schmeling	3	2020
	Anne Davaille	4	2019





## How to nominate

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

When: Deadline is **June 15 every year**

What is required:

	Division and Union medals	Outstanding Early Career Scientists Awards
Nomination letter	1 page	½ page
Curriculum Vitae	2 pages	1 page
Selected bibliography	2 pages	½ page
Supporting letters	3-5 (maximum 1 page each)	-



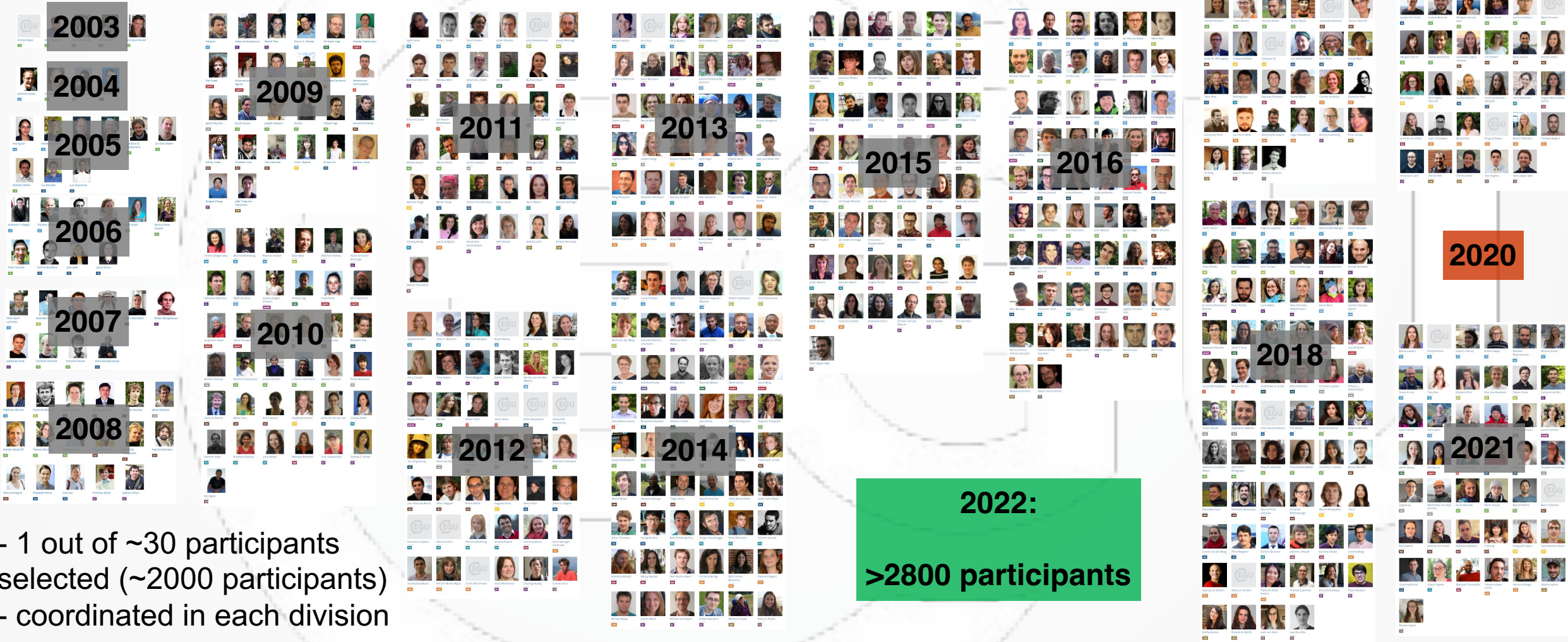


# Outstanding Student and PhD candidate Presentation (OSPP) Award



# OSPP: Outstanding Student and PhD candidate Presentation contest

Organized since 2003 (first in HS division, since 2008 union-wide)



- 1 out of ~30 participants selected (~2000 participants)
- coordinated in each division

**2022:**  
**>2800 participants**

# OSPP: Outstanding Student and PhD candidate Presentation contest

## What is evaluated?

- scientific content (relevance, methods, ...)
- presentation (organization, aesthetic appeal, ability to answer questions, ...)

## Who votes?

- 3 pre-defined judges per participating presentation
- ALL EGU participants (from post-doc level on, not co-author, no shared affiliation) can vote as well on abstract page!

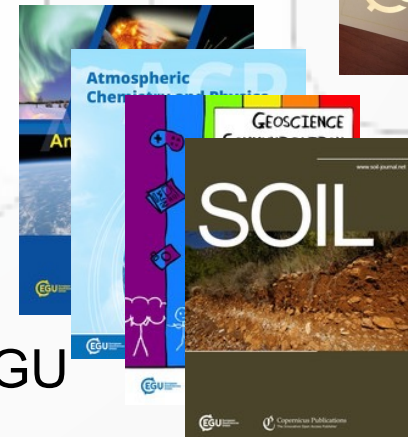
**WE NEED YOU!!!**

## Who can participate?

- first and presenting author
- either currently a BSc or MSc student or PhD candidate
- or last degree obtained in year of GA

## Why participate?

- Better visibility for your research
- Award certificate and ceremony
- Free open-access publication in one of the EGU journals
- Conference fee waiver for next EGU





## Outstanding Student and PhD candidate Presentation (OSPP) Award

Eligible for the **OSPP Award** are students that:

- are first author and personally present the poster at the conference AND
- satisfy one of the following criteria:
  - are a current BSc, MSc, or PhD student OR
  - 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.

This year (EGU 2022):

- 59 participants in GD (30% increase)
- 101 evaluators

GD OSPP coordinator: Maëlis Arnould



[\[Programme\]](#)

# Your EGU22 OSPP judge dashboard

Thank you very much for your willingness to evaluate contributions of the EGU General Assembly 2022 Outstanding Student and PhD candidate Presentation (OSPP) Award. You are assigned to the below-listed contributions.

Please confirm your assignment at your earliest convenience. Nominators will then be aware whether enough judges have been found or additional ones must be nominated. However, in case a presentation does not fit into your conference schedule, or if you see any conflicts of interest for your evaluation, please decline individual assignments as soon as possible giving nominators the chance to nominate additional judges. If you would like to refuse your duty as OSPP judge in general, please do so below.

For all below-listed contributions, once you approved your assignment as judge, the links to the individual evaluation forms become available at the scheduled presentation times. Please note that your marks and your free-text comments are forwarded to the authors of the applications. Your name will not be shown.

Abstract	Session	Presentation		
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## Scientific content

0 very poor | 5 average | 8 very good | 10 outstanding

Correctness of methods and information



Significance of the work



Originality and creativity of the approach



Conclusions supported by data and analysis



Author's knowledge of the subject matter  
and comprehension of prior research in the field



## Presentation technique

0 very poor | 5 average | 8 very good | 10 outstanding

Organization and logical structure  
(e.g. clearly stated questions, results, and conclusions)



Visual clarity  
(e.g. clarity of figures, font sizes, use of space, headings)



Aesthetic appeal  
(e.g. layout, use of colour, density of information, neatness)



Good writing  
(e.g. easily readable, spelling, grammar)



Ability to answer questions



What was the one thing you liked most about the presentation?

## Overall impression

- Outstanding and I highly recommend considering it for an award
- Very good and could be worth an award
- Good but is probably no award-candidate
- Fair quality
- Poor quality

Submit vote



# EGU GD OSPP Winners 2021

Sara Vulpius, Free University Berlin, Germany



Zhibin Lei, Cardiff University, United Kingdom



# GD ECS Report 2021-2022

Anna Gülcher

[ecs-gd@egu.eu](mailto:ecs-gd@egu.eu)







## ECS achievements

- ECS at EGU22: leading 4 Great Debates; 24 Short Courses
- **EGU webinars** throughout the year (“meet the editors”, “mental health”, “soft skills”)
- **Networking events** led by ECS
- Jobs and Career Center initiatives
- Diversity and Inclusion initiatives
- **Outreach**



## GD social media

- Active **facebook** and **twitter** accounts (ever-increasing #followers!)
- Engagement in science communication, outreach, highlighting events, GD blog, promoting diversity and equality, and fun!
- **THANK YOU** to social media managers!

Interested in joining the team? Don't hesitate to contact us!  
[ecs-gd@egu.eu](mailto:ecs-gd@egu.eu)



**@EGU\_GD**  
(~1300 followers)



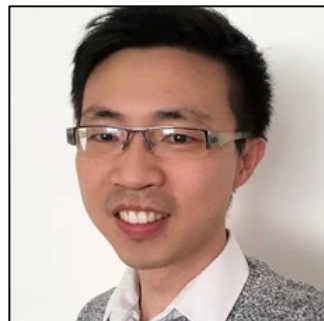
**@eguGD**  
(~600 followers)



Jyotirmoy Paul



Lukas Fuchs



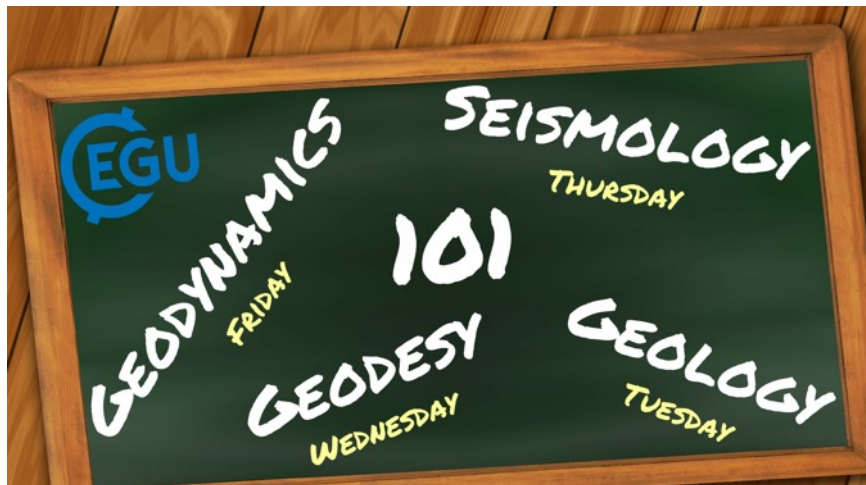
Zhibin Lei



# GD geodynamics 101

- Friday April 30th 14:30-15:30 **SC4.2**
- Manuscript published in *EGU: Solid Earth*
- **THANK YOU** to the Geodynamics 101 team!

The GD 101 team is looking for new members!!!



Solid Earth, 13, 583–637, 2022

<https://doi.org/10.5194/se-13-583-2022>

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Solid Earth

Open Access



**101 geodynamic modelling: how to design, interpret, and communicate numerical studies of the solid Earth**

Iris van Zelst<sup>1,2</sup>, Fabio Cramer<sup>3,4</sup>, Adina E. Pusok<sup>5</sup>, Anne Glerum<sup>6</sup>, Juliane Dannberg<sup>7</sup>, and Cedric Thieulot<sup>8</sup>



# GD networking opportunities at EGU22

- Successful GD-SM-PS joined **icebreaker** on Sunday
- **Tonight, WED 20:30 onwards: Bermuda Braü evening!** (GD-SM-T)
- **Tomorrow, THU 19:00: GD Early Career Scientist social dinner**



**EGU** Division **Geodynamics** **ECS event**  
at the 2022 EGU General Assembly

Join our social event on Thursday May 26th, 19:00, at Gigerl restaurant in Vienna city centre. Chat with fellow Early Career Scientist colleagues, have a nice dinner, and make new connections!

**1** Sign up via the google forms link → **2** Get updates via e-mails → **3** Meet each other in Vienna and have fun!

EGU Early Career Scientists: obtained their MSc or PhD in the past 7 years (extension possible)





## New ECS Rep

Megan Holdt

**2018 - Present:** PhD Earth Sciences, University of Cambridge

**2012 - 2018:** Earth Scientist, Chevron (Perth, Australia)





## ECS: Plans for 2022 / 2023

- Continue active online engagement (blog/social media)
- Host shared events with neighbouring divisions (virtual “campfires”)
- Develop a stronger focus on career opportunities / pathways.
  - spotlighting different research groups.
  - highlighting different career paths (especially individual experiences)



## GD – get involved!

- Do you have ideas about how the **ECS experience** at EGU could be **improved**?
- Want to be **involved** in the team or know more about the roles?
- Please reach out via email: [ecs-gd@egu.eu](mailto:ecs-gd@egu.eu)

### Interested in..

- Expanding your network?
- Learning more about EGU “behind the scenes”?
- Contributing to science outreach and communication?
- Expressing your creative ideas?
- Organising social events?





# GD Blog Report 2021-2022

Iris van Zelst

[iris.vanzelst@dlr.de](mailto:iris.vanzelst@dlr.de)







# The Blog Team



**Iris van Zelst**



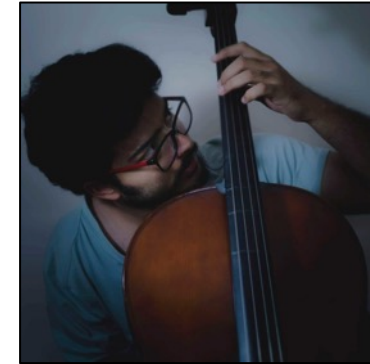
**Menno Fraters**



**Kiran Chotalia**



**Anna Gülcher**



**Jyotirmoy Paul**



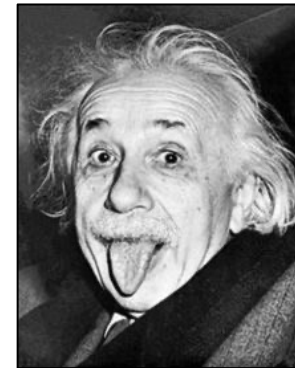
**Trud Antzée**



**Antoniette Greta  
Grima**



**Arushi Saxena**



**The Sassy  
Scientist (x2)**

Interested in contributing? Contact Iris van Zelst (Editor-in-Chief) – [iris.vanzelst@dlr.de](mailto:iris.vanzelst@dlr.de)



## Guest authors

- Molly Anderson
- Diana Avadanii
- Adam Beall
- Shailee Bhattacharya
- Ömer F. Bodur
- Laci Brock
- Lucas Calvo
- Tuhin Chakraborty
- Avigyan Chatterjee
- Ensuo Choi
- Hee Choi
- Cailey B. Condit
- Juliane Dannberg
- Ayanangshu Das
- Daniel Douglas
- Amy Edgington
- Becky Fildes
- Benjamin Fosu
- Phylindia Gant
- Gopal Hazra
- Adam Holt
- Jeroen van Hunen
- Leslie Insixiengmay
- Ben Knight
- Dunyu Liu
- Giulia Magnarini
- Debarshi Majumder
- Ayuni Ina Mohamaad
- Jon Mound
- Daniela Muñoz-Granados
- Nicolai Nijholt
- Carolina Ortiz-Guerrero
- Debanjan Pal
- Diandian Peng
- Lina C. Pérez-Angel
- Michael Perfit
- Adina Pusok
- Sreetama Roy
- Grace Shephard
- Elvind Straume
- Daniele Thallner
- Alice Turner
- Aaron Van Alstine
- Leiaka Welcome
- Masaki Yoshida

Interested in contributing? Contact Iris van Zelst (Editor-in-Chief) – [iris.vanzelst@dlr.de](mailto:iris.vanzelst@dlr.de)



## Some statistics of this blog year

- 108 blog posts
- > 45,000 unique pageviews

### Visits Over Time



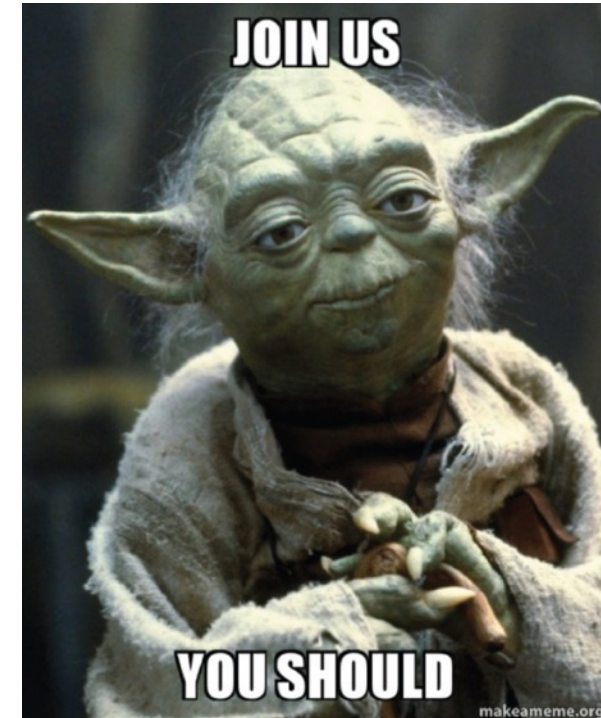
Interested in contributing? Contact Iris van Zelst (Editor-in-Chief) – [iris.vanzelst@dlr.de](mailto:iris.vanzelst@dlr.de)



## Contribute to the blog!

### WANTED:

- Editor-in-chief
- Editors
- Sassy scientist columnists
- Illustrators / graphic designers
- Guest authors
- Questions for the Sassy Scientist:  
[thesassyscientist4real@gmail.com](mailto:thesassyscientist4real@gmail.com)



Interested in contributing?

Contact Iris van Zelst (Editor-in-Chief) – [iris.vanzelst@dlr.de](mailto:iris.vanzelst@dlr.de)



# On (gender) diversity in the Geodynamics awards



Geodynamics Division Outstanding Early  
Career Award

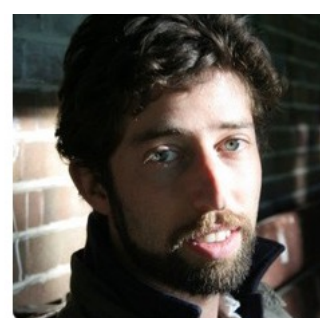
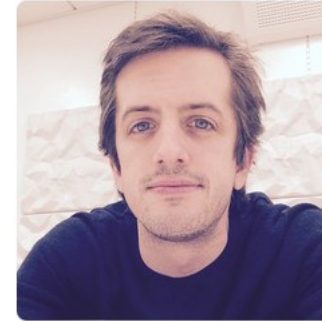




# On (gender) diversity in the Geodynamics awards

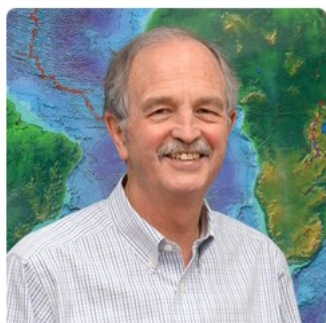


Geodynamics Division Outstanding Early Career Award + Arne Richter Award





# On (gender) diversity in the Geodynamics awards





# GD Division structure

President  
Deputy President  
Programme Group Chair

Science Officers

Division Outstanding Early Career  
Scientists Award Committee Chair

Augustus Love Medal Chair

OSPP Coordinator

ECS Representative

Jeroen van Hunen  
Paul Tackley  
Jeroen van Hunen

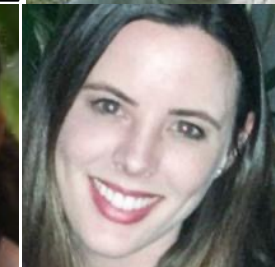
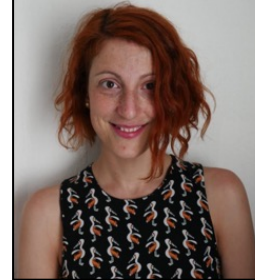
Phil Livermore  
Irina M. Artemieva  
Paul Tackley  
**Antoniette Grima**  
**Frederic Deschamps**  
~~Hans-Peter Bunge~~

Jeroen van Hunen

Paul Tackley

Maelis Arnould

**Megan Holdt**  
~~Anna-Gülcher~~







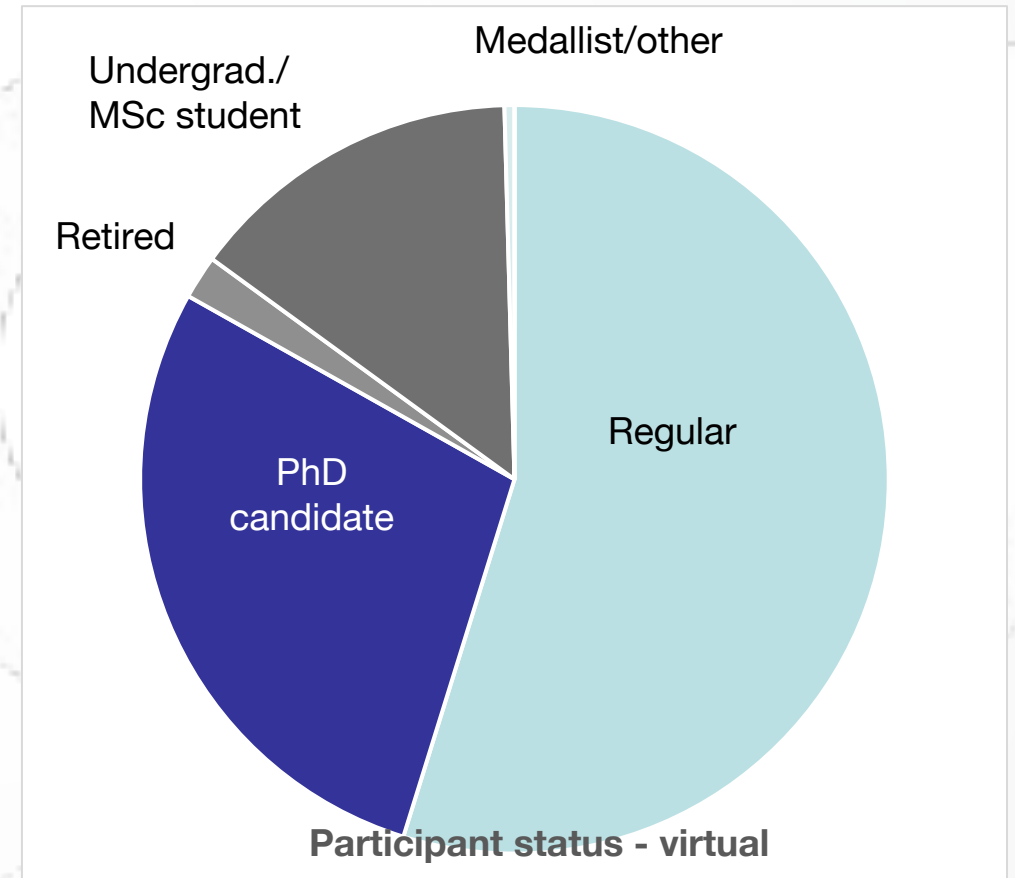
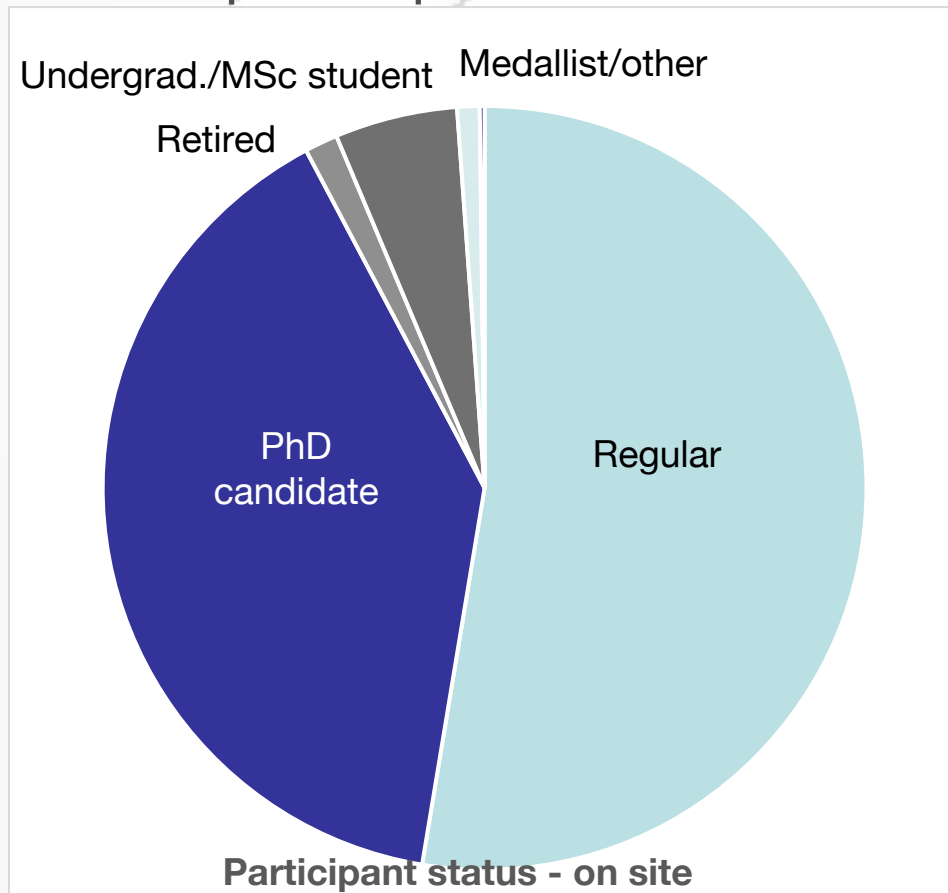
Meeting statistics, feedback and  
ideas for the future

## EGU22: Sessions and Abstracts, Schedule

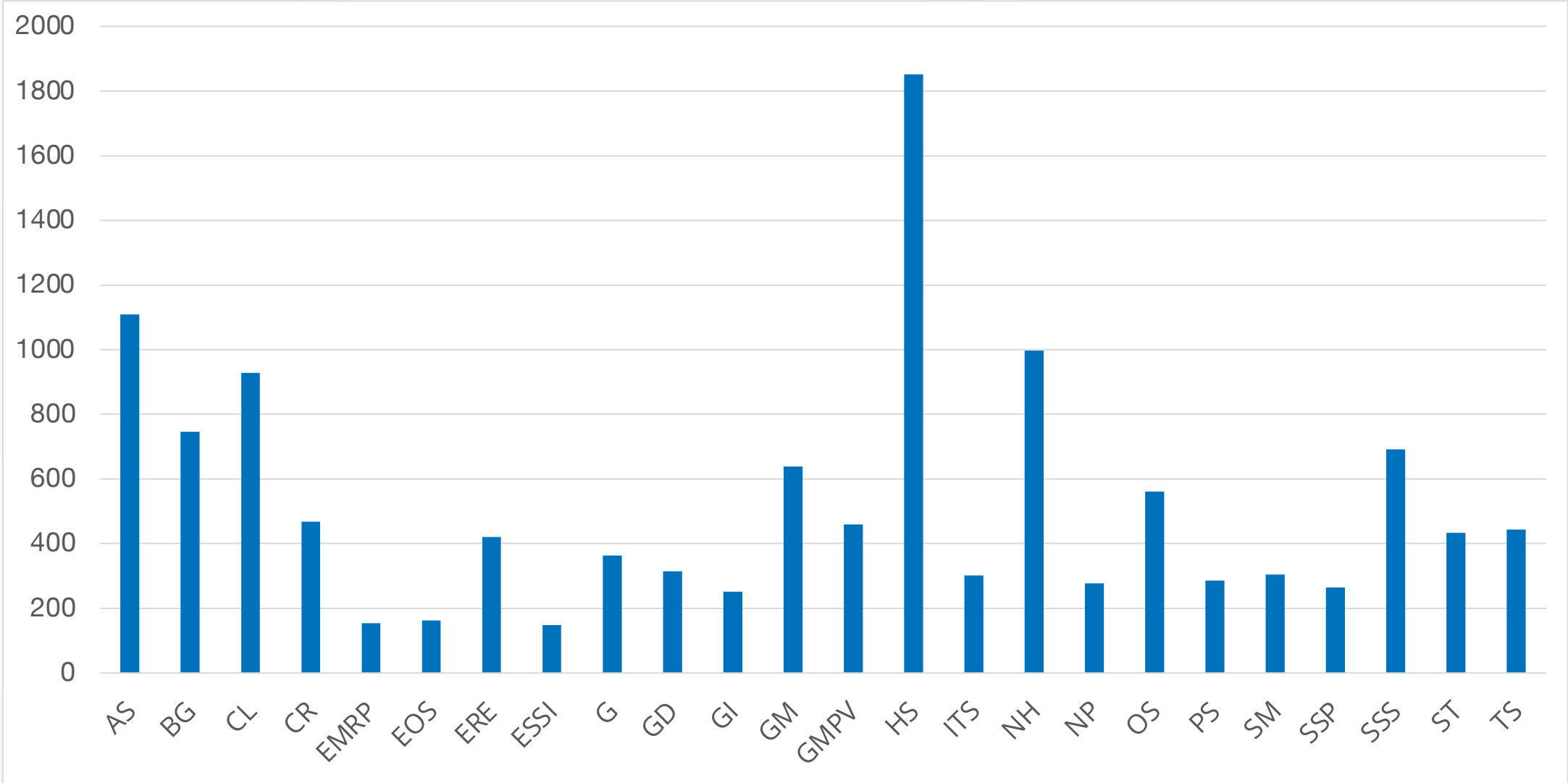
- 12,423 active abstracts in programme | -9% relative to 2021
- 777 active sessions | 614 short-oral sessions | 54 Short Courses | 35 Medal and Award Lectures
- 4 Union Symposia, 6 Great Debates
- 65 Networking and Community Events (excluding pop-ups), Townhall Meetings, Side Events, Splinter Meetings
- EGU Plenary 23 May 12:00 CEST (Room E1)
- Medal & Award celebration 25 May 17:30 CEST (Room E1)

# EGU22: Registration numbers and breakdown

- 7307 on-site registrations
- On-site participants: 88 countries
- 5904 virtual registrations (22/05 15:00)
- Virtual participants: 113 countries



# EGU22: Abstracts per Programme Group





## GD led sessions

### PG abstract statistics

Active scheduled		312
Granted supports	None:	305 (98%)
	ECSTS:	0 (0%)
Presentations	Presentations:	312 (100%)
Author identification specifics	ECS:	168 (54%)

## All sessions

### Meeting abstract statistics

Active scheduled		12,445
Granted supports	None:	12,299 (99%)
	ECSTS:	143 (1%)
	ESTS:	3 (0%)
Presentations	Presentations:	12,445 (100%)
Author identification specifics	ECS:	7,579 (61%)

2022: 312# GD abstracts (out of 12,445 in total)

2021: 648\* GD abstracts (out of 13,727 in total)

2020: 475# GD abstracts (out of 18,054 in total)

2019: 404# GD abstracts

# abstracts in GD-led sessions only

\*all abstracts instead of GD-led only

## Early-Career Scientist Events at EGU22

- 42 Short courses
  - 30 Short courses ECS as lead-convener
- 3 Networking and pop-up events led by and aimed at ECS
- 32 Great Debates led by ECS
- Jobs and Career Center initiatives
  - Blogs
  - Short courses
  - Networking events
  - Pop-up events
- Outreach
  - Introducing ECS Reps via EGU Blog
  - Blogs and Social Media blurbs about ECS-events

# Equality, Diversity and Inclusion (EDI) at EGU22

- **NET1** “The Leadership” – directed by Ili Baré film screening | 23 - 30 May
- **US1** Changing the Faces of Leadership at the Geoscience - Policy Interface | 26 May 15:10–16:40 CEST
- EDI Networking Event | 26 May, 19:00–20:00 CEST
- EGUpride networking | 26 May, 18:00–19:00 CEST
- Did This Really Happen (DTRH) comics and EGU colouring book (part 2!)
- EDI Booth.... AND MORE!

## Learn how to engage with policymakers at EGU22

- **Short Courses:** Practical tips on you can more effectively engage with the policymaking process & share your expertise.
  - *The role of scientific institutions in policymaking (Wed 8:30-10:00)*
  - *How to influence policy through engaging with Parliaments (Wed 13:20-14:50)*
- **Union-wide sessions:** Examples of how science has been used in the policymaking process
- **EGU's Science for Policy Help Desk** will be open everyday from 11:00-12:00 at the EGU Booth to answer your policy-related questions!

See the full list of #SciPol sessions: [egu.eu/5VBLHI](https://egu.eu/5VBLHI)



If EGU22 sparks your interest in policy, it doesn't have to end there!

- Work inside the European Parliament for a week via the **EGU's Science-Policy Pairing Scheme**
- Join **EGU's Science for Policy Hangouts** (monthly webinars starting July)
- Attend the **EGU's Science for Policy Event** focusing on biodiversity inside the EU Parliament in September 2022
- Subscribe to **EGU's Science for Policy Newsletter**



Find more details on <https://www.egu.eu/policy> or get in touch via [policy@egu.eu](mailto:policy@egu.eu) & on Twitter via @Chl0e\_Hill



# Conferences



# EGU Galileo conferences

- Address well-focused cutting-edge topics at the frontier of geosciences research.
- 3-5 days meeting for discussion and debate for about 100 participants.
- EGU provides comprehensive organizational support allowing organizing committees to focus on the scientific aspects.
- Aside from partly sponsoring the event, EGU is giving a deficit guarantee.
- **2 stage application process on-line.**



## Topical meetings

EGU co-sponsors

- **conference series**,
  - Alexander von Humboldt Conferences
  - Ada Lovelace Workshops on Mantle and Lithosphere Dynamics
- **training schools**,

for the benefit of all scientists and with special attention to the needs of young scientists.

**GD Meetings Calendar**

<http://www.egu.eu/gd/meetings/>

# 2022 Ada Lovelace Workshop on Mantle and Lithosphere Dynamics

28 August – 2 September, Hévíz, Hungary

Info: [meetings.copernicus.org/2022AdaLovelaceWorkshop](https://meetings.copernicus.org/2022AdaLovelaceWorkshop)

Contact: [ada.lovelace.workshop@gmail.com](mailto:ada.lovelace.workshop@gmail.com)

Organized by ETH Zürich and Eötvös Loránd University, Budapest



- **Invited speakers**
  - Early Earth
  - Long-term Earth evolution
  - Interior-exterior coupling
  - (exo)planets
  - Rheology and deformation
  - Subduction zones
  - Numerical advances
  - ... and much more
- **Poster sessions**
- **Field excursion to the Bakony-Balaton volcanic field**



## a) Conference registration

Categories	Registration rates (deadline 15 July 2022, 13:00 CEST)
Regular registration	€120
Regular online registration	€30
Student/postdoc registration (in-person or online)	free
Invited speaker registration	free

## b) Accomodation booking

Rates for 5 nights (28 August-2 September)

Single occupancy	
Standard room	€495.00
Superior room	€600.00
Double occupancy	
Standard room	€367.50/person (€735.00 total)
Superior room	€420.00/person (€840.00 total)





# Publications



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



The screenshot shows the Solid Earth journal website. At the top, there is the EGU logo and the journal title "Solid Earth". Below the title, there are navigation links: "ARTICLES & PREPRINTS", "SUBMISSION POLICIES", "PEER REVIEW", "EDITORIAL BOARD", "ABOUT", and "EGU PUBLICATIONS". The main banner features a collage of Earth-related images: a cross-section of the Earth's interior, a volcanic eruption, and a topographic map. Below the banner, there are three icons: "OPEN ACCESS", "INTERACTIVE PUBLIC PEER REVIEW", and "ARTICLE LEVEL METRICS". The text below these icons reads: "Executive editors: CharLotte Krawczyk (chief executive editor), Susanne Buitert, Joachim Gottsmann, Federico Rossetti & Arjen Stroeven". Below this, a paragraph states: "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." At the bottom of the screenshot, there are four metrics: "Clarivate™ IF 2.921", "Clarivate™ IF 5-year 3.087", "Scopus® CiteScore 4.8", and "h5-index 35".

open access as basic principle  
interactive discussion papers



## Enter the journal through 4 thematic groups

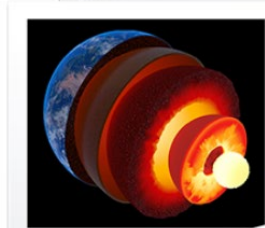
Tectonic plate interactions, magma genesis, and lithosphere deformation at all scales



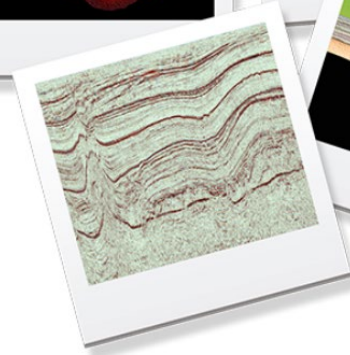
The evolving Earth surface: erosional, sedimentary, morphotectonic, and volcanic processes



Core and mantle structure and dynamics



Crustal structure and composition





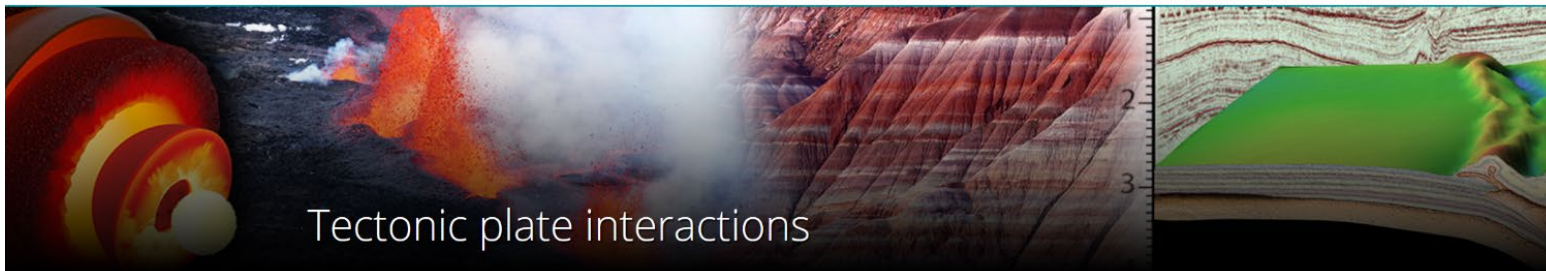


## Continue from there to disciplines



### Solid Earth

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## Tectonic plate interactions

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Relevant editorial teams:

- [Geodynamics, geodesy, gravity, and geomagnetism](#) | S. Buiter, J. Aubert, J. Dannberg, T. Gerya, N. Gillet, M. Mandea, and S. McClusky
- [Geochemistry, mineralogy, petrology, and volcanology](#) | J. Gottsmann, A. di Muro, J. Lissenberg, A. Longo, and P. Rey
- [Seismics, seismology, geoelectrics, and electromagnetics](#) | C. Krawczyk, U. Werban, M. Malinowski, T. Nissen-Meyer, I. Bianchi, and C. Beghein
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- [Structural geology and tectonics, rock physics, experimental deformation](#) | F. Rossetti, M. Allen, F. Fusseis, D. Healy, Z. Mildon, and V. Toy

## Recent papers

22 Mar 2021

[Accelerating Bayesian microseismic event location with deep learning](#)

Alessio Spurio Mancini, Davide Piras, Ana Margarida Godinho Ferreira, Michael Paul Hobson, and Benjamin Joachimi

Solid Earth Discuss., <https://doi.org/10.5194/se-2021-24>, 2021

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

▶ [Short summary](#)

22 Mar 2021

[Late to post-Variscan differential uplift and basement segmentation along the SW Bohemian Massif, Central Europe](#)

Andreas Eberts, Hamed Fazlikhani, Wolfgang Bauer, Harald Stollhofen, Helga de Wall, and Gerald Gabriel

Solid Earth Discuss., <https://doi.org/10.5194/se-2021-25>, 2021



## We welcome your submissions

### Executive editors

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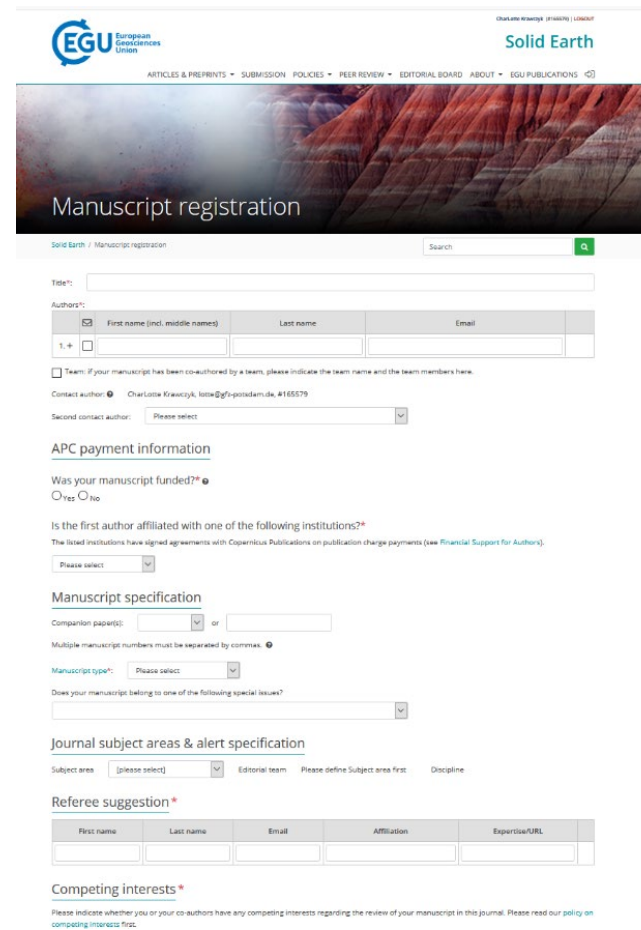
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**Solid Earth**

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## Publications

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### **Solid Earth – EGU journal in geosciences,**

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