

GMPV Division Meeting

Marian Holness (GMPV President)

Monday 19th April 2021



Meetings | Publications | Outreach | www.egu.eu

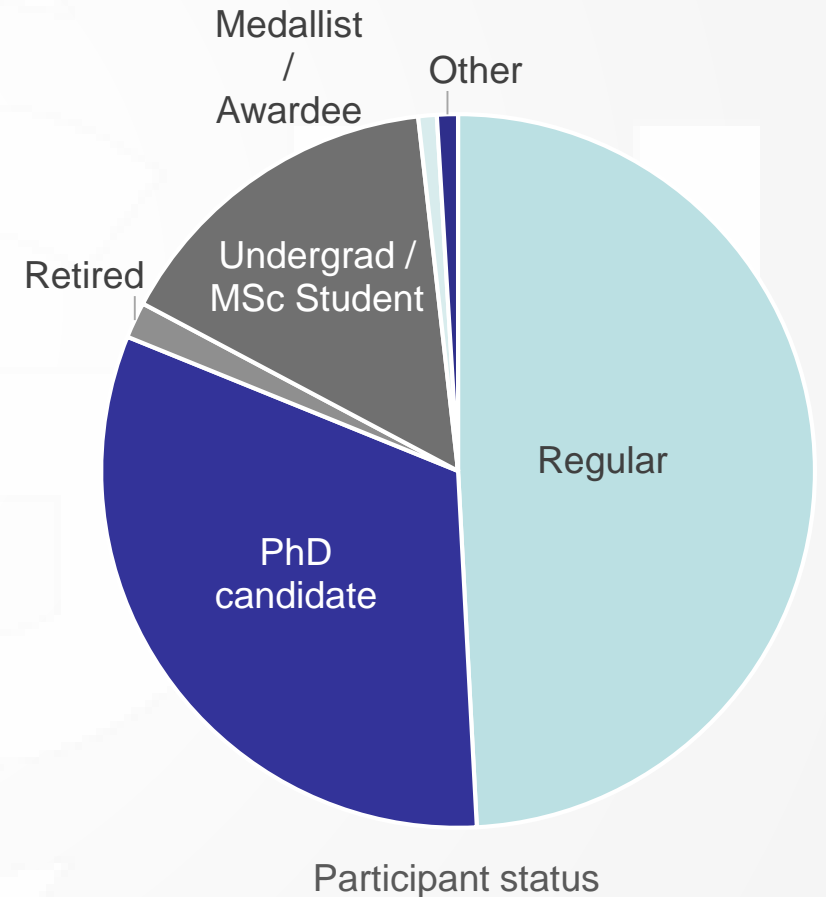
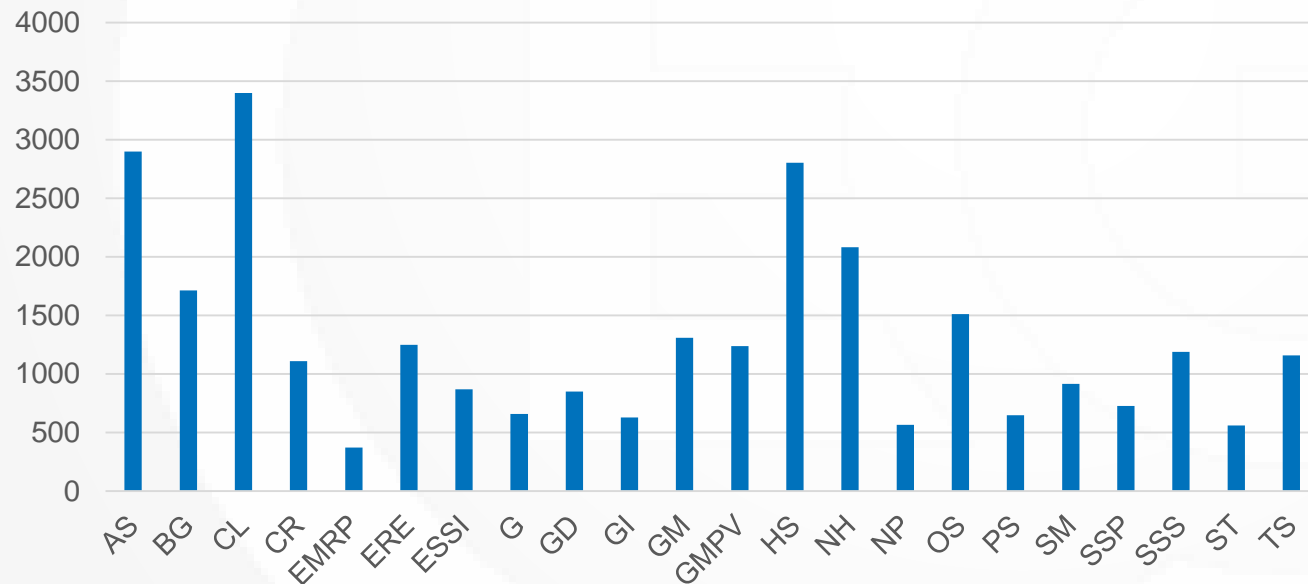
vEGU21: Sessions and abstracts, Schedule

- 13,801 abstracts in programme | -24% relative to 2020
- 843 active sessions | 636 vPICO sessions | 56 Short Courses | 32 Medal and Award Lectures
- Week 1 (19-23 Apr): Union Symposia | Great Debates (Except GDB1) | most Medal and Award Lectures | most Division Meetings | 2 Short Courses per day
- Week 2 (26-30 Apr): 38/39 parallel vPICO sessions | 4 Short Courses per day
- Networking Events (including pop-ups), Townhall Meetings, Side Events during both weeks
- EGU Plenary 19 Apr | Medal & Award celebration 22 Apr | Closing party 30 Apr

vEGU21: Registration numbers and breakdown

- 13,982 registrations (17 April 2021, 11:30)
- Participants from 126 countries

Participants division affiliation



Early-Career Scientist Events at vEGU21

- 56 Short courses
 - 34 Short courses ECS as head-convener
- 21 Networking event led by and aimed at ECS
- 3 Great Debates led by ECS
- Jobs and Career Center initiatives
 - Meet the exhibitors
 - Meet the Talents
 - Blog on CV writing
 - Online CV-sticker
- Outreach
 - Introducing ECS Reps via EGU Blog
 - Blogs and Social Media blurbs about ECS-events

#vEGU21 Networking

- GMPV ECS social event – Thursday 22nd 18:00
- GMPV social event - Monday 26th 19:00
- Pop-up networking events
- EGU committee meet & greets
- Viennese settings (café, art exhibits, cooking)
- Quiet room (Spotify playlist)
- vEGU21 platform built-in networking capabilities (networker, handshake)



Networker Tool

- Fill out your profile information and decide what you want others to see
- Add people to your network using their email address
- During vEGU21: see who is in the room with you and extend your network using the “Handshake” tool
- Start chats or meet on other platforms with your online connections at any time

My profile

My network

Edit



Peter van der Beek
Universität Potsdam
Germany

My stickers

Stickers are only shown to users of your network.



EDI



Edit stickers

Contact me

Contact information, if shared, is only shown to users of your network and, if applicable, on editorial board websites as well as in the convener information of conference programmes.

 vanderbeek@uni-potsdam.de

 <https://www.uni-potsdam.de/en/geo/institute/members/van-der-beek-peter>

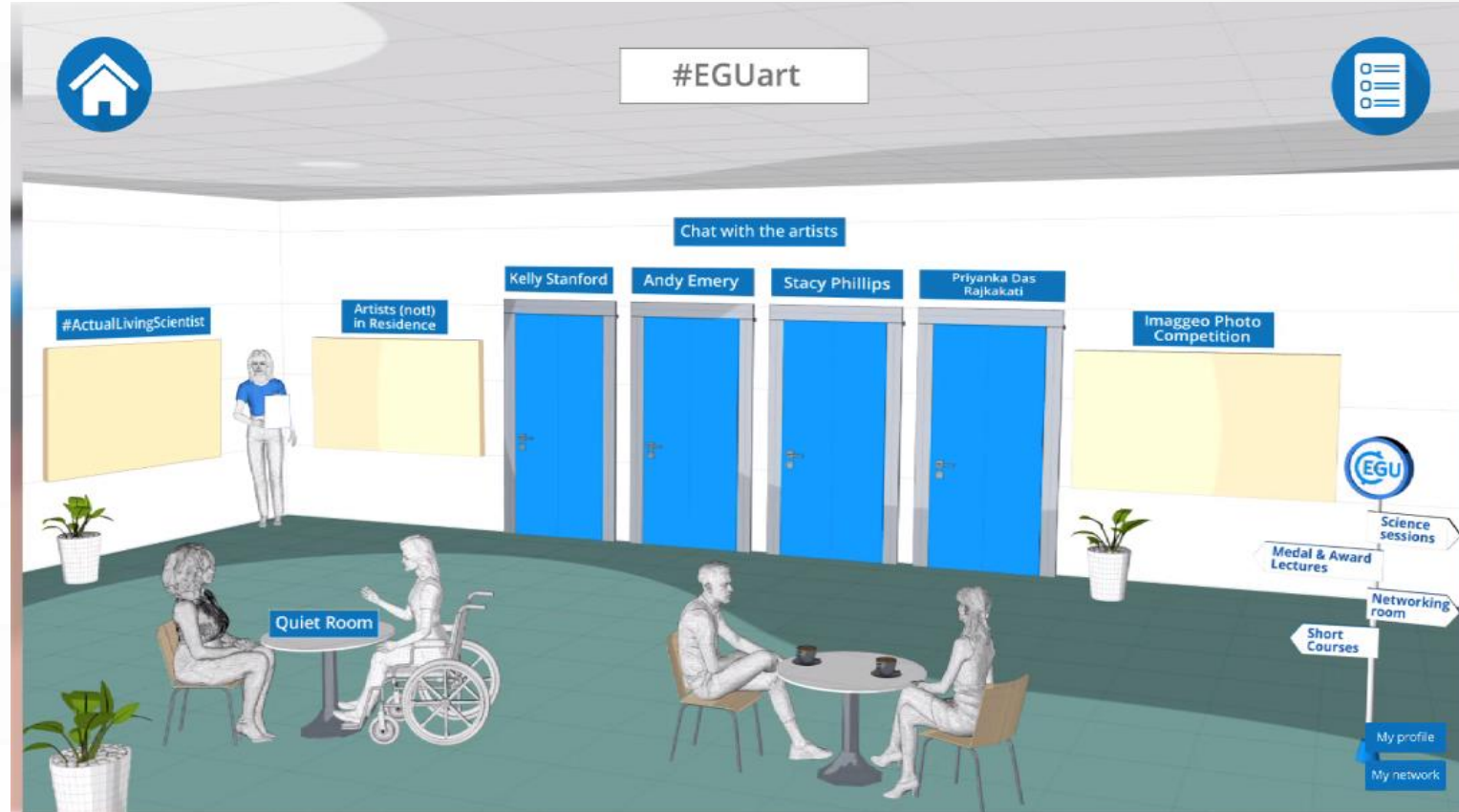
 0049 331 977 5808

 Street/postbox: Karl-Liebknecht-Str. 24-25
State/region: Brandenburg
ZIP: 14476 City: Potsdam

Follow me

#EGUart

- 4 artists (not!) in residence
- #EGUart room in platform
- #ActualLivingScientist (EDI initiative)
- Colouring book (EDI initiative)
- Imaggeo photo competition
- Kids Art





#vEGU21 - What's On!

Equality, Diversity and Inclusion (EDI)

Short Courses:

- SC2.8 Promoting diversity in geosciences, **Mon, 19 Apr, 10:00–11:00 (CEST)**
<https://meetingorganizer.copernicus.org/EGU21/session/38886>
- SC2.9 Practical recommendations on how to combat discriminatory work environments in the geosciences; **Mon, 19 Apr, 14:30–15:30 (CEST)**
<https://meetingorganizer.copernicus.org/EGU21/session/38900>

Keynote live events:

- GDB5 Bullying in Academia: towards creating a healthy and safe working environment; **Thu, 22 Apr, 09:00–10:30 (CEST)**
<https://meetingorganizer.copernicus.org/EGU21/session/39992>,
- GDB1 Challenging discrimination in the geosciences: amplifying unheard voices; **Mon, 26 Apr, 15:00–16:30 (CEST)**
<https://meetingorganizer.copernicus.org/EGU21/session/41195>



#vEGU21 - What's On!

Equality, Diversity and Inclusion (EDI)

Scientific sessions:

- EOS5.1 Promoting and supporting equality, diversity and inclusion in the geosciences; **Mon, 26 Apr, 11:00–14:15 (CEST)**

<https://meetingorganizer.copernicus.org/EGU21/session/40090>

Networking events:

- EDI networking at EGU GA - Meet and Greet members, **Mon, 26 Apr, 17:00–17:30 (CEST)**
- EGU Pride, **Mon, 19 Apr, 17:30 to 19:00 (CEST)**
- Picture a Scientist screenings, **Sat, 24 Apr to Tue, 27 Apr**

<https://meetingorganizer.copernicus.org/EGU21/session/41592>

And more...!

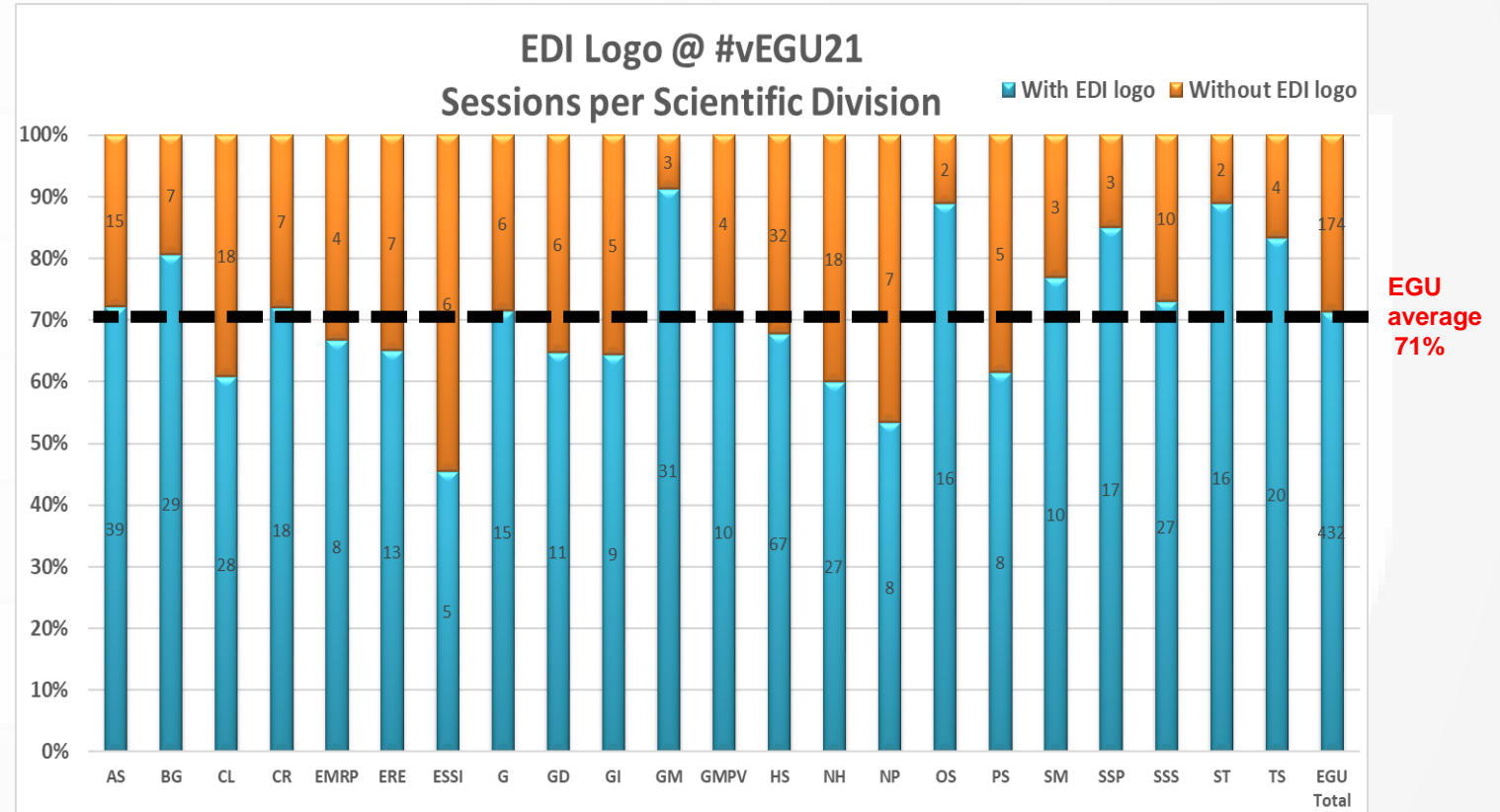
For more info email: edi@egu.eu

EDI Logo

EDI

Session conveners fulfill all three criteria:

1. Include conveners from **multiple countries and institutes**
2. Have conveners from **different career stages**, including at least one ECS
3. Include conveners that represent **more than one form of gender identity**



Send suggestions to: edilogo@egu.eu

The 2020 Robert Wilhelm Bunsen Medallist



This medal, established by the GMPV Division, is awarded for distinguished research in geochemistry, mineralogy, petrology and volcanology. The 2020 Robert Wilhelm Bunsen Medal is awarded to Holly J. Stein in recognition of her pioneering development of the rhenium-osmium geochronometer and remarkable array of applications of Re-Os geochemistry.

Holly Stein's research includes the development of ground-breaking new geochemical tools and their application to a wide array of problems, and she is currently one of the most influential scientists in the field of geochronology and geochemistry. Her research, which initially involved molybdenite, established protocols for reliable, accurate and reproducible geochronological analysis that are used worldwide to this day. Applications of these methods have changed our understanding of ore deposit genesis across many deposit types and also found innovative applications in metamorphic petrology and tectonics.

Our warmest congratulations, Holly!

The 2021 Robert Wilhelm Bunsen Medallist



This medal, established by the GMPV Division, is awarded for distinguished research in geochemistry, mineralogy, petrology and volcanology. The 2021 Robert Wilhelm Bunsen Medal is awarded to Urs Schaltegger in recognition of his fundamental advances in geochronology applied to petrology, geochemistry, mineralogy and tectonics.

Urs has pushed the frontiers of precision and accuracy of U-Pb zircon geochronology, opening up a rich scientific landscape, ranging from timing orogenic magmatic/hydrothermal events, temporal reconstruction of magma chamber processes and large igneous provinces, to the development of novel methodologies. Urs has made a huge impact in each one of these fields, with an additional huge contribution to leadership on scientific steering committees as well as editorial management of scientific journals.

Urs is a groundbreaking and innovative researcher, successful both in technique development and application to key scientific problems in the Earth sciences: he is a very worthy recipient of the 2021 Robert Wilhelm Bunsen Award.

Our warmest congratulations, Urs!

The 2020 GMPV Division Outstanding Early Career Scientist Award



The 2020 GMPV Division Outstanding Early Career Scientist Award is awarded to Pilar Lecumberri-Sanchez for ground-breaking research in the field of hydrothermal processes in the geosciences.

Pilar has made transformative contributions to our understanding of the key role played by salt in hydrothermal systems created by cooling bodies of magma trapped in the Earth's crust. By elegantly linking thermodynamics, numerical simulations and independent estimates of porphyry ore formation depths, Lecumberri-Sanchez has shown how brines can strongly influence the creation of ore deposits in these hydrothermal systems and control how fluids move through the crust by the localised deposition of salt.

Her innovative and imaginative contributions to the subject have been game-changers in the way we view fluid-rock interactions, and have given her a well-deserved international reputation for rigorous and impactful studies that truly advance our understanding.

She is sadly unable to be with us today, so we send her our congratulations in absentia

The 2021 GMPV Division Outstanding Early Career Scientist Award



The 2020 GMPV Division Outstanding Early Career Scientist Award is awarded to Michael Jollands for his ground-breaking work on ionic diffusion in minerals.

Mike is right at the front of the pack in his diffusion work, using an enviable set of skills to make advances in the determination of timescales. His work on quartz has resolved difficulties in relating the cooling timescales determined using different techniques, with application to decoding the pre-eruptive history of major explosive silicic eruptions.

His work on olivine has provided us with constraints on the mechanisms and rates of diffusion of a wide range of elements. He has also recently constrained the complex behaviour of hydrogen in olivine, leading to advances in our understanding of mantle rheology and electrical conductivity. The wide range of powerful tools Mike has developed make him a very worthy recipient of the 2021 Outstanding Early Career Scientist Award for the Geochemistry, Mineralogy, Petrology and Volcanology Division.

Congratulations, Mike!!

GMPV Science Officers



Marco Viccaro (University of Catania). His research activity is chiefly focused on the nature and timescales of magma differentiation, and magma ascent and degassing. He is involved in various multi-disciplinary scientific collaborations aimed at defining the role of active tectonics on volcanic processes through field-based surveys, and using intratelluric dynamics of fluids from the analysis of seismic signals.



Andrea Di Muro (Observatoire volcanologique du Piton de la Fournaise, La Reunion) focusses on the physico-chemical processes controlling the evolution of volcanic systems in time and space. He tackles these problems using a combination of field analysis, bulk rock geochemical data, melt and fluid inclusion data, crystal equilibria and gas composition and fluxes.

Brendan McCormick Kilbride (University of Manchester) is interested in the behaviour of volatiles in magmatic systems. He draws on satellite-, field-, and laboratory-based methods to understand the origins of volcanic gases, and relate gas chemistry and flux to imminent changes in levels of volcanic unrest. He is currently focussed on the volcanoes of Papua New Guinea, in the Western Bismarck, New Britain and Bougainville subduction zones.



Chiara Maria Petrone (Natural History Museum, London) is a volcano petrologist working on understanding the dynamics of plumbing systems at active volcanoes with particular focus on timescales and dynamics of pre-eruptive processes, with application to volcanic hazard assessment.





Urs Schaltegger (University of Geneva) and his group use thermal ionization, noble gas, and ICP mass spectrometry for isotope geochemistry and geochronology. His main research interest is in using high-precision U-Pb geochronology to resolve the timescales of orogenic and magmatic processes in the Earth's crust, of amplitude and rates of climate change in the geological past, and of isotope systematics in accessory minerals.



Silvio Ferrero (University of Potsdam) investigates high temperature processes involving melt and fluids in collisional settings by targeting metamorphic rocks re-equilibrated over a wide range of depths. His favourite tools are microstructures, melt and fluid inclusions and mineral/melt chemistry.

Richard Palin (University of Oxford) is a metamorphic petrologist who integrates geochemistry, isotope geochronology, and structural geology into his work. His major research interests include process- or technique-oriented studies concerning fluid-rock-melt interactions, changes in metamorphic products and processes through geological time, and the geology of other rocky bodies in our solar system.



Jörg Hermann (University of Bern) undertakes multidisciplinary studies of high-grade metamorphic rocks combining petrology, geochemistry, experimental petrology, structures and tectonics. He focusses on trace element and volatile recycling in subduction zones, trace element systematics and accessory phase behaviour during high-grade metamorphism, and the Earth's deep water cycle.



GMPV Science Officers

Currently on leave



David Dolejs (University of Freiburg) is a petrologist with broad interests in magmatic and hydrothermal systems, fluid-rock interaction and the formation of ore deposits. His approach to these problems involves analytical studies, laboratory experiments, and thermodynamic and kinetic simulations.

Evgenia Ilyinskaya (University of Leeds) focuses on volcanic gases and aerosol particles, with the overarching aim of monitoring volcanic activity and its impact on the environment and the atmosphere. Her work involves sampling and measurement campaigns at active volcanoes and laboratory analyses.



We are currently in the process of appointing a team member with responsibility for promoting experimental petrology – watch this space!

Eleanor Jennings (Birkbeck, University of London) uses igneous geochemistry to understand magmatic processes on Earth and beyond. She uses a combination of analytical, experimental and modelling techniques to investigate processes ranging from planetary accretion through to mantle melting and crustal magmatic systems.



The GMPV Early Career Scientist Committee

What is an ECS?

The technical EGU definition:

- undergraduate or postgraduate (Masters/PhD) student or
- a scientist who has received their highest degree (BSc, MSc, or PhD) within the past seven years*.

Provided parental leave fell into that period, up to one year of parental leave time may be added per child, where appropriate.

EGU has 22 Divisions, and each has an ECS rep



Emily Mason

(University of Cambridge)
OUTGOING GMPV ECS REP



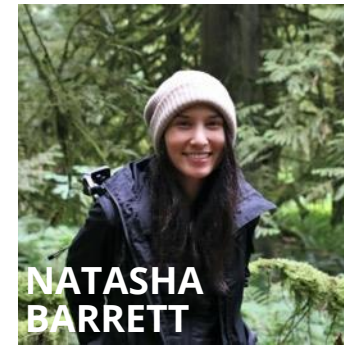
Giulia Consuma

(University of Bologna)
INCOMING GMPV ECS REP

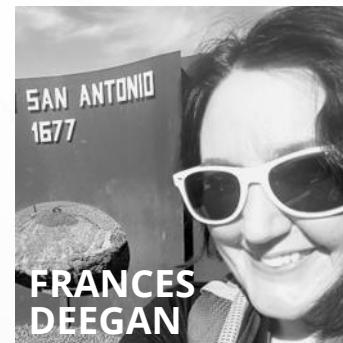
Blog Team



Academic careers + Campfires Team



Social Media Team



What we do

- **GMPV ECS rep:**
 - Coordinate the GMPV ECS team
 - Support ECS across EGU
 - Represent the GMPV ECS interests at EGU level
- **GMPV Career Team + ECS Rep:**
 - Short courses, 1-2 Great Debates and more across EGU
- **GMPV Blog + Social Media Team:**
 - Blog posts by editors themselves or guest authors
 - Create/Share/Exchange information through social media
- **GMPV Online Talks (Campfires) Team:**
 - Online talks on a monthly basis
 - 4 ECS speakers from the 4 spheres G-M-P-V
 - Upcoming talks: **19 May @ 15:00 CEST**

We are upgrading the GMPV blog!!

Franziska Keller · March 8, 2021



GMPV ECS online talks!
Wednesday 17th March
11am CET

Giulia Consuma and GMPV ECS Talks Team
· February 25, 2021



The Volcano & the Ash cloud: Eyjafjallajökull eruption 11 years later

Niamh Faulkner · April 7, 2021



The Ash cloud billowing out of Eyjafjallajökull in southern Iceland, April 16th 2020 (Source Encyclopedia Britanica, Brynjar Gauti/AP)

Gneiss Chats Podcast, fun geoscience learning for all!

Dr. Vitor Barrote (Dr. B), Dr. Silvia Volante, Dr. Bryant Ware, Dr. Francesca Miozzi and Mikaela Moore · March 10, 2021



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ecs-gmpv@egu.eu

How to get involved?

- Want to share your **research/announcements/activities** on our **blog/social media**?
- Do you have any thoughts on **how the ECS experience at EGU could be improved**?
Email us through **ecs-gmpv@egu.eu**
- Want to present your research at our future **GMPV Online Talks #EGUCampfires**?

Find the **link to register** in our GMPV blog/social media



GMPV EGU We're looking for new ECS members! **EGU**

Position 1: Facebook Manager
Position 2: Instagram Manager
Position 3: Organizer of EGU Campfires
GMPV ECS online talks
(💎 😊 any mineralogist over there? 😊 💎)

*Opportunities for **networking, graphic creation, sharing cool science** and more!*

To get involved email: ecs-gmpv@egu.eu



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What are we doing at #vEGU21?

- **GMPV highlights** on our blog and social media
- Two **Short Courses** co-convened by Francesco
 SC2.6: **Wed 21 April @ 16:00 CEST**
 SC4.1: **Wed 28 April @ 14:30 CEST**
- **EGU GMPV ECS Social**
 NET15: **Thursday 22 April @ 18:00 CEST on Zoom** convened by Giulia (Zoom link will be provided 15 min before the event – check the [#vEGU21_GMPV](#) details of bio with join) tag!



#vEGU21 – The GMPV Session Guide


Franziska Keller · January 6, 2021



NET15

GMPV ECS-event

Convener: Giulia Consuma^{ECS} Q


★ Thu, 22 Apr, 18:00–19:00 (CEST) 

SC2.6 **EDI** 

Careers inside and outside of academia: Panel Discussion

Co-organized by AS6/CL6

Convener: Jenny Turton^{ECS} Q | Co-conveners: Francesco Giuntoli^{ECS} Q, Stephen Chuter^{ECS} Q, Anouk Beniest^{ECS} Q, Silvio Ferrero Q

★ Wed, 21 Apr, 16:00–17:00 (CEST) 

SC4.1

Geology 101 - The (hi)story of rocks

Co-organized by SSP5

Convener: Richard Wessels^{ECS} Q | Co-conveners: Anouk Beniest^{ECS} Q, David Fernández-Blanco^{ECS} Q, Francesco Giuntoli^{ECS} Q

★ Wed, 28 Apr, 14:30–15:30 (CEST) 



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ecs-gmpv@egu.eu

How to stay up to date

- Follow us on Twitter, Facebook, Instagram
- Attend our GMPV ECS Campfires
- Go to <https://www.egu.eu/gmpv/home/> and **subscribe to our GMPV-ECS mailing list** to receive information on our activities

Use our official hashtag **#vEGU21_GMPV**

Tag us on Twitter **@EGU_GMPV**

Your content will be shared!

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Tweets by @EGU_GMPV



EGU GMPV Division
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Check this out! 📌 #vEGU21

<https://twitter.com/EuroGeosciences/status/1383035193318014976>



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- » EGU features an extensive awards and medals programme aimed at recognising excellence at all career stages
- » Nominations are exclusively by EGU members* while candidates do not need to be EGU members. (*An exception is the award promoting excellence in journalism: nominations are permitted from non-members and self nominations)
- » Individual award and medal committees evaluate the nominations, selecting the most deserving candidate based on scientific achievements. (NB: there are also two medals for journalism, outreach and service to the union)



How to nominate

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

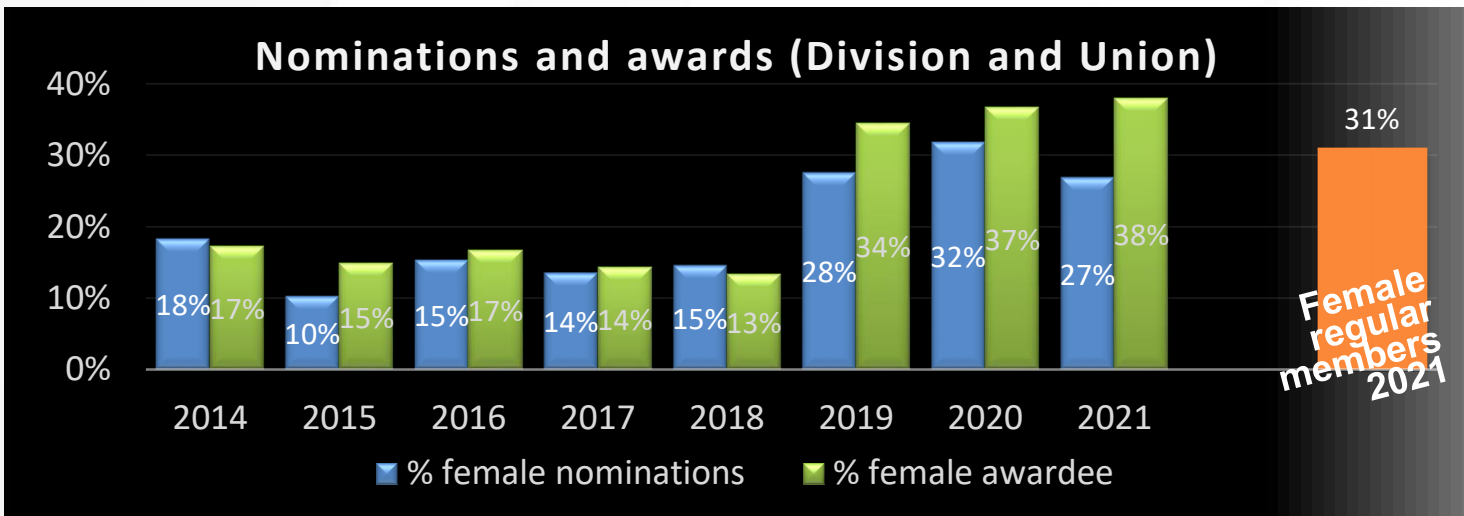
When: from now to June 15

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 (max 1 page each)	-



We encourage **all** members to contribute to the awards program by nominating suitable candidates
 When nominating, please think about people who may have been overlooked in your discipline



Over the past few years, the fraction of awards and medals obtained by women has increased. This is due to the increase in nominations.

Equality of opportunities in geosciences: The EGU Awards Committee experience

Session EOS5.1, abstract EGU21-651

<https://meetingorganizer.copernicus.org/EGU21/EGU21-651.html>

Bunsen Medal Committee for 2021/2022



Mike Burton
(University of
Manchester)



Holly Stein
(University of
Colorado)



Daniela Rubatto
(University of
Bern)



Andrew Putnis
(Curtin University)



Clare Warren
(Open University)



Urs Schaltegger
(University of
Geneva)

Usually there is a vote on the committee membership. This year, we can't have a vote, so please let me know if you want to raise an issue.

Many thanks to
Graham Pearson
who rotates off this
year.



GMPV OECS Award Committee for 2021/2022



Marian Holness
(University of Cambridge)
GMPV President



Jörg Hermann
(University of
Bern)



Mike Jollands
(Lamont-Doherty
Earth Observatory)
2021 OECS



Marco Viccaro
(University of
Catania)

Usually there is a vote on the committee membership. This year, we can't have a vote, so please let me know if you want to raise an issue.

- » An Early Career Scientist (ECS) is a student, a PhD candidate, or a practising scientist who received their highest certificate (e.g. BSc, MSc or PhD) within the past seven years. The seven-year period can be extended to allow for periods when the scientist was not working in science because of, but not limited to, caring and/or parental responsibilities, disability, personal illness, community obligations or national service.
- » For the purpose of the awards the nominee should satisfy one of the above criteria by 1 January of the year when the award is presented.

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



OPEN ACCESS



INTERACTIVE PUBLIC PEER REVIEW



ARTICLE LEVEL METRICS

Executive editors: CharLotte Krawczyk (chief executive editor), Susanne Buiter, Joachim Gottsmann, Federico Rossetti & Arjen Stroeven

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.

Clarivate™ IF 2.921

Clarivate™ IF 5-year 3.087

Scopus® CiteScore 4.8

h5-index 35

open access as basic principle
interactive discussion papers

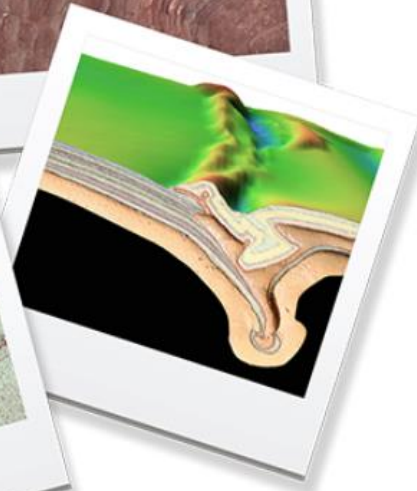
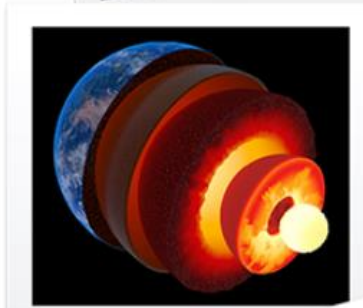
Solid Earth encompasses 4 thematic groups

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

We welcome your submissions!

Executive editors

Susanne Buiter

RWTH Aachen University
Tectonics and Geodynamics
Faculty of Georesources and Materials Engineering
Germany



Joachim Gottsmann

Univ. of Bristol
Dep. of Earth Sciences
United Kingdom



CharLotte Krawczyk

GFZ German Research Centre for Geosciences
Germany



Federico Rossetti

Università Roma Tre
Dipartimento di Scienze
Italy



Arjen Stroeven

Stockholm University
Department of Physical Geography
Sweden



Mentoring scheme for GMPV ECS members | convening a session

- One of the most important building blocks of the EGU is the idea that the GA is built from the bottom-up, with session proposals coming from our members. The GMPV team is very keen to encourage ECS members to propose and convene sessions. We therefore ask all experienced convenors to volunteer to take under their wing an ECS member, to show them the ropes and to give them the confidence to propose sessions for GA2022.
- If you are a principal convenor of a session this year, and one of your co-convenors is an ECS, please consider proposing the same session in 2022, with your ECS as principal convenor and you in a supporting role.
- And to all our wonderful ECS GMPV members: please feel free to approach any of the GMPV team, either Science Officers or the GMPV ECS team, for advice, help and support in proposing and convening sessions. We'd love to hear from you!