Division Meeting Hydrological Sciences

Maria-Helena Ramos

EGU2020: Sharing Geoscience Online Chat Tue, 05 May, 12:45-13:45





Agenda

- EGU Election Autumn 2019
- 2. EGU2020: Sharing Geoscience Online
- 3. HS Division programme & EGU GA statistics
- 4. SubDivision (SD) Chairs
- Early Career Scientists activities and ECS reps
- 6. HS Blog, Outreach and Communication Division Committee
- Medal Committees & Division Medallists and Awardees 2020
- 8. Outstanding Student Posters and PICOs: coord. & awardees
- 9. Hydrology and Earth System Sciences (HESS) Journal: report & awards
- 10. Leonardo Conference 2019 (feedback) and call for proposals for 2021
- 11. News from the Union: Governance review
- 12. Any other business / Discussion



EGU Election Autumn 2019

- Union level:
 - New EGU President elected (2021–2023):
 Helen Glaves (become vice-president at GA 2020 and president at GA 2021)
 - New EGU General Secretary elected (2020–2022):
 Giuliana Panieri (inaugurated at GA 2020)



Helen M. Glaves



Giuliana Panieri

- HS Division level:
 - Re-elected HS president: Maria-Helena Ramos reelected for a second term (2021–2023)



Maria-Helena Ramos

Full results available at:

https://www.egu.eu/elections/egu-election-autumn-2019/



EGU2020: Sharing Geoscience Online

- New concept in very short time
- Bringing part of the activities of the physical EGU GA 2020 online
- Offering several ways for authors and conveners to show and discuss presentation materials
 - Uploaded abstracts and presentation material
 - Live, text-based chat during scheduled session time
 - Possibility for conveners to upload session summary
- Union symposia and Great Debates: videoconferencing
- A selection of the original short-course sessions offered online

A concept that works for all presentation types: oral, poster and PICO ("displays")

Accessibility and inclusiveness

Participation does not require payment of a registration fee



HS Division programme

displays &

chat rooms

HS – Hydrological Sciences

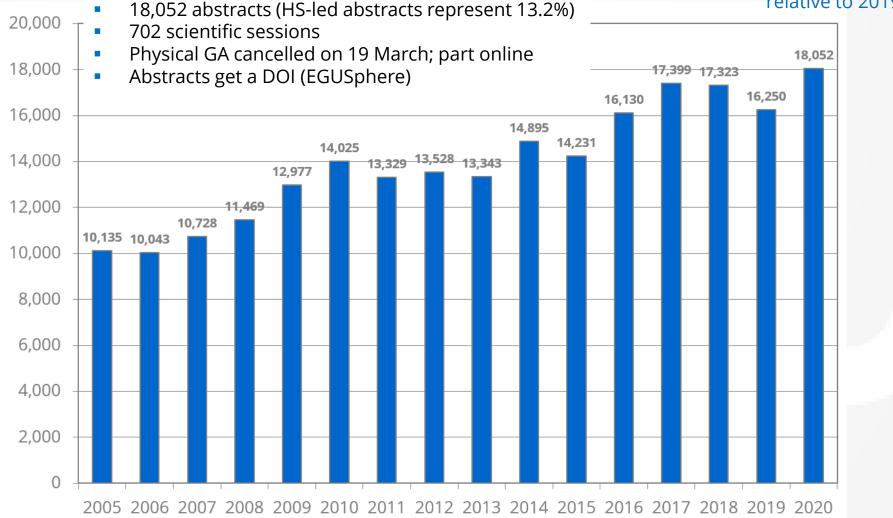
- HS1.1 Innovative sensors and monitoring in hydrology
- HS1.2 Cross-cutting hydrological sessions
- HS2.1 Catchment hydrology in diverse climates and environments
- HS2.2 From observations to concepts to models (in catchment hydrology)
- HS2.3 Water quality at the catchment scale
- HS2.4 Hydrologic variability and change at multiple scales
- HS2.5 Global and (sub)continental hydrology
- HS3 Hydroinformatics
- HS4 Hydrological forecasting
- HS5.1 Water planning and management under change
- HS5.2 Water policy, economics, and society
- HS5.3 Water, energy, and food
- HS6 Remote sensing and data assimilation
- HS7 Precipitation and climate
- HS8.1 Subsurface hydrology General sessions
- HS8.2 Subsurface hydrology Groundwater
- HS8.3 Subsurface hydrology Vadose zone hydrology
- HS9 Erosion, sedimentation & river processes (covering all temporal and spatial scales)
- HS10 Ecohydrology, wetlands and estuaries: aquatic and terrestrial processes and interlinkages
- HS11 Short courses
- HS12 Inter- and transdisciplinary sessions in Hydrological Sciences
- HS13 Further sessions of interest to Hydrological Sciences

- Open call for sessions (Sep 2019) and abstracts (Jan 2020)
- Schedule built in Feb 2020
- Adapted to online GA (Mar)
- Sub-divisions HS1 to HS10:
 - **93 sessions** led by HS (91 in 2019)
 - 73 orals + poster
 - 5 poster-only
 - 15 PICO
 - 104 oral slots, 78 poster slots and 17 PICO slots to be scheduled during the week
 - 2380 abstracts (~60% ECS) (2149 in 2019)



EGU GA statistics (as of 27 April 2020)







HS structure: sub-divisions



Subdivision on Catchment hydrology



Subdivision on Ecohydrology, wetlands and estuaries



Subdivision on
Erosion, sedimentation & river
processes



Subdivision on Hydroinformatics



Subdivision on Hydrological forecasting



Subdivision on Precipitation & climate



Subdivision on Remote sensing & data assimilation



Subdivision on Subsurface hydrology (Groundwater)



Subdivision on Subsurface hydrology (Vadose zone)



Subdivision on Water policy, management and control

 10 Subdivisions, including a subdivision on general hydrology (monitoring and cross cutting issues)



General hydrology HS1:

Maria-Helena Ramos (HS president) Elena Toth (HS deputy-president)





Catchment Hydrology HS2:
Kerstin Stahl

Alberto Viglione







Hydroinformatics HS3:



Hydrological Forecasting HS4:

Femke Davids



Water policy, management and control HS5:

Andrea Castelletti

Remote sensing & data assimilation HS6:

Chiara Corbari



Precipitation and Climate HS7:

Andreas Langousis



Subsurface hydrology HS8:

Monica Riva (Groundwater) Stefano Ferraris (Vadose zone)







Erosion, sedimentation & river processes HS9:

Stefan Haun



Estuaries, wetlands & ecohydrology HS10:

Anke Hildebrandt





Early Career Scientists activities & ECS reps

ECS rep for the HS Division: Caitlyn Hall (2019-2021)



This year's focus:

- Be a platform to celebrate and provide more recognition for ECS achievements
- 2. Provide information to ECSs about career and professional development resources
- 3. Improving connectivity between existing ECS networks to exchange best practices and leverage



Early Career Scientists activities & ECS reps

ECS rep for the HS Division:

Caitlyn Hall (2019-2021)

New ECS rep selected after open call:



Sina Khatami (2020-2022)

Going Forward:

- 1. Improving institutional memory for ECS reps
- 2. Host professional development webinars and opportunities
- 3. Conduct survey to better understand the wants of HS ECSs
- 4. Improve connectedness of ECSs in our division and at the Union level
- 5. Conducting workshops and seminars to connect HS ECS to science-policy activities



Outreach and Communication Division Committee

Laurent Pfister



Miriam Coenders



Webmaster

- https://www.egu.eu/hs/home/
- https://blogs.egu.eu/divisions/hs/
- 2325 subscribers to HS mailing list (Feb. 2020) https://lists.egu.eu/cgi-bin/mailman/listinfo



Bettina Schaefli



Matthias Sprenger Blog Coord.



Wouter Berghuijs



Giulia Zuecco



Maria-Helena Ramos



HS Blog @ EGU

- Since March 2019
- Contact the **Editorial team** to contribute:

At a Glance



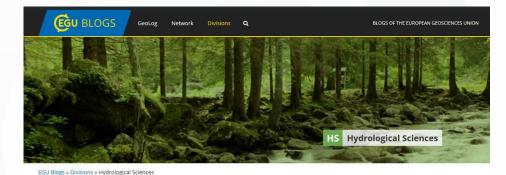




Matthias Sprenger Blog Coord.



Giulia Zuecco



Hydrological Sciences



Wouter Berghuijs



Maria-Helena Ramos



Bettina Schaefli



ABOUT

Welcome to the blog of the Hydrological Sciences (HS) Division of the European Geosciences Union (EGU). This blog is a platform to communicate new ideas and old thoughts, a bit of history and future perspectives, as well as a gilmpse at experimental and modelling studies. In other words, it is a platform to share news, research and opinions on hydrological processes and applications, including interactions between hydrology and other disciplines in geosciences. Everybody is invited to contribute to the blog and submit posts to the Editorial Team.



Division Medallists and Awardees 2020

EGU awards and medals:

- Outstanding Early Career Scientists Award:
 - Division Outstanding Early Career Scientists Award at the Division level
 - Arne Richter Award for Outstanding Early Career Scientists at the Union level
- Division Medals to recognize outstanding achievements by active researchers
- Union Medals to recognize lifetime achievements, or exceptional contributions to science
- To identify the awardees as role models for a young generation of scientists to foster geosciences research
- For the awardees, to act as ambassadors for the European Geosciences Union at the global scale



Medal Committees & Division Medallists and Awardees 2020

Committee for the HS Division (2020 & 2021) Early Career Outstanding Scientist Award

- Maria-Helena Ramos (HS Div. Pres.)

- Thom Bogaard
- Anne Van Loon







Division Medallists and Awardees 2020

The 2020 HS Division Early Career Outstanding Scientist Award was also awarded the Arne Richter Award at the Union Level

- Only 4 out of the 22 division awardees are selected at the Union level
- Lecture postponed to 2021



Andreas Hartmann

2020

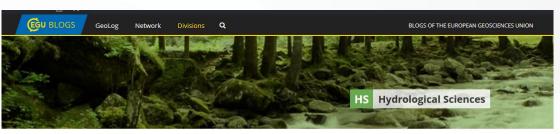
"... for outstanding contributions to understanding karst systems, their evolution, and particular hydrological processes, and pushing the community to large scales with new models and a smart use of tracers."



Division Medallists and Awardees 2020

Check the blog post:

https://blogs.egu.eu/divisions/hs/2020/01/08/andreas-hartmann-on-doing-what-you-love-will-pay-off/



EGU Blogs » Divisions » Hydrological Sciences » Andreas Hartmann (EGU ECS Awardee) on Doing What You Love Will Pay Off

Andreas Hartmann (EGU ECS Awardee) on Doing What You Love Will Pay Off

EGU Guest blogger - January 8, 2020 - Early Career Scientists, Opinion - No Comments



Andreas Hartmann makes a point to attend Hofer Filmtage – or the Hof International Film Festival – every year to keep up a tradition he started when he was 12. As a professor, he sets down research to make the yearly pilgrimage to his German hometown to visit with his best friends and family. This year, he couldn't *completely* separate from work. After getting out of a film, he got a note saying that he had been awarded the EGU Arne Richter Award for Outstanding Early Career Scientists for the Division on Hydrological Sciences.

ABOU'

Welcome to the blog of the Hydrological Sciences (HS) Division of the European Geosciences Union (EGU). This blog is a platform to communicate new ideas and old thoughts, a bit of history and future perspectives, as well as a glimpse at experimental and modelling studies. In other words, it is a platform to share news, research and opinions on hydrological processes and applications, including interactions between hydrology and other disciplines in geosciences. Everybody is invited to contribute to the blog and submit posts to the Editorial Team.



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EGU DIVISION BLOGS



EGU NETWORK BLOGS



Division Medallists and Awardees 2020

Committee for the HS Division (2020) John Dalton Medal

- Harry Vereecken (chair) (outgoing)

- Dani Or
- Gabriel Katul
- Günter Blöschl
- Lena Tallaksen

Medal awarded for individuals in recognition of their distinguished research in Hydrology as an Earth science

Ex-officio [not voting]: HS Division President, Maria Helena Ramos, and Chair of the Union Awards Committee, Özgür Karatekin



Medal Committees & Division Medallists and Awardees 2020

The 2020 HS Division John Dalton medal was awarded to:



Amilcare Porporato

2020

"... for seminal contributions to the field of ecohydrology and for developing new theories for the analysis of soil-plantatmosphere systems across scales."

The presentation of the medal and the medal lecture are postponed to 2021



Division Medallists and Awardees 2020

Committee for the HS Division (2019)

Henry Darcy Medal

- Elena Toth (chair)
- Yoram Rubin (outgoing)
- Dan Rosbjerg
- Petra Döll

Medal awarded for individuals in recognition of their outstanding scientific contributions in water resources research and water resources engineering and management

Ex-officio [not voting]: HS Division President, Maria Helena Ramos, and Chair of the Union Awards Committee, Özgür Karatekin



Medal Committees & 2 Division Medallists and Awardees 2020

The 2020 HS Division Henry Darcy medal was awarded to:



Xavier Sánchez-Vila

2020

"... in recognition of his innovative theoretical work and practical solutions regarding aquifer characterisation, subsurface solute transport processes and managed aquifer recharge."

 The presentation of the medal and the medal lecture are postponed to 2021



Medal Committees for 2021

Committees for the HS Division medals

John Dalton Medal	Henry Darcy Medal
Dani Or	Elena Toth
Gabriel Katul	Dan Rosbjerg
Günter Blöschl	Petra Döll
Lena Tallaksen	Xavier Sánchez-Vila
Amilcare Porporato	

Ex-officio [not voting]: HS Division President, Maria Helena Ramos, and Chair of the Union Awards Committee, *tbd*



Proposal of candidates for the awards/medals (deadline 15th June 2020)

For the Division Outstanding Early Career Scientists Award

("a scientist who has received his or her highest degree [BSc, MSc, or PhD] within the past seven years + parental leaves")

Nomination letter (1/2 page)

Curriculum Vitae. A summary of the candidate's CV (1 page)

Selected bibliography. A list of selected publications by the candidate that best support the nomination (1/2 page). It should also state briefly the candidate's total number and types of publications and citations.

The whole nomination package for the Outstanding Early Career Scientists must not exceed <u>2 pages</u>.

If you need help in the nomination process, ask for advice of our Subdivision Chairs, the division president or the deputy-president



Proposal of candidates for the awards/medals (deadline 15th June 2020)

For the Division and Union medals:

- A Nomination letter (1 page, main nominator must be EGU member). This must clearly detail why the candidate deserves this recognition and the relevance of the candidate to become an EGU medallist and ambassador. Particular focus should be put on the candidate's scientific contributions to the field, their importance, their impact on the discipline and their implications for the future. The new views and new insights that have been stimulated by the candidate's work are also relevant.
- **B Curriculum Vitae (2 pages)**. A summary of the candidate's CV, including the candidate's name, address, history of employment, degrees, research experience, honours, and service to the community.
- **C Selected bibliography (2 pages)**. A list of selected publications by the candidate that best support the nomination. It should also state briefly the candidate's total number and types of publications and citations.
- **D Supporting letters**. Between 3 and 5 letters of support (maximum 1 page each) should be submitted.



OSPP Coordinators:



Luisa Hopp



Andreas Hartmann

- Rewards the best posters and PICOs of young scientists (current and recently completed graduates)
- In 2019 in HS:

291 posters and 62 PICOs submitted for OSPP competition in 76 sessions

 At least 3 judges per poster/PICO (reached by only 192 posters/PICOs)



Seven winners in GA 2019, 1 for ~50 submissions, 5 posters/2 PICO https://www.egu.eu/awards-medals/ospp-award/2019/



Elisabeth von der Esch, Technical University of Munich
Raman microspectroscopy as a tool for microplastic particle analysis



Mary Forrester, Colorado School of Mines
Understanding GRACE total water storage estimates
with integrated hydrologic modeling across the
continental United States





Lorenz Ammann, EAWAG

Combining conceptual transport models with a new likelihood framework to assess high-frequency measurements of in-stream herbicide concentration



Morgane Merlin , University of Alberta Separating transpiration and stem water storage in a large boreal tree using Heat Ratio Method sap flow sensors

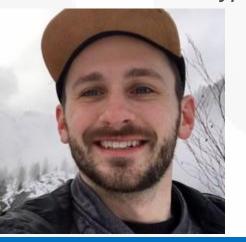




Gökben Demir, University of Jena Spatial variation of soil properties and throughfall in European mixed beech forest

Nicolai Brekenfeld, University of Birmingham A small, low-cost, robust and reliable new electrical conductivity sensor for the improved quantification of hyporheic travel times and exchange processes





Andrew Bennett, University of Washington A process network based approach to model intercomparison using SUMMA ensembles



Procedure for participating

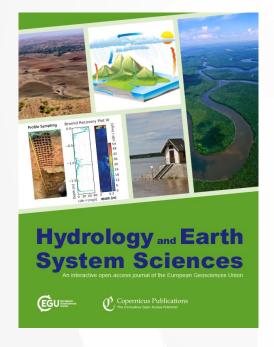
- (PhD-) students need to actively register (only 1 poster/PICO per year)
- At least 3 submitted evaluations per poster/PICO
- Criteria: scientific quality, presentation, and discussion
- Top 1-7 of the ranked posters win the OSPP Award (depending on number of posters in competition)

Winners:

- short presentation on the EGU website
- conference fee waived for the next GA
- when the work is subsequently published in HESS, the page charges will be waived

There will be no OSPP award in Sharing Geoscience Online GA2020:
next OSPP in 2021





EGU Hydrological Sciences Division Journal

Chief Executive Editors:

Alberto Guadagnini





Executive Editors:



Erwin Zehe (stepping down as Chief Executive

Editor – thank you so much for many years of

wonderful and dedicated service, Erwin!)

Thom Bogaard

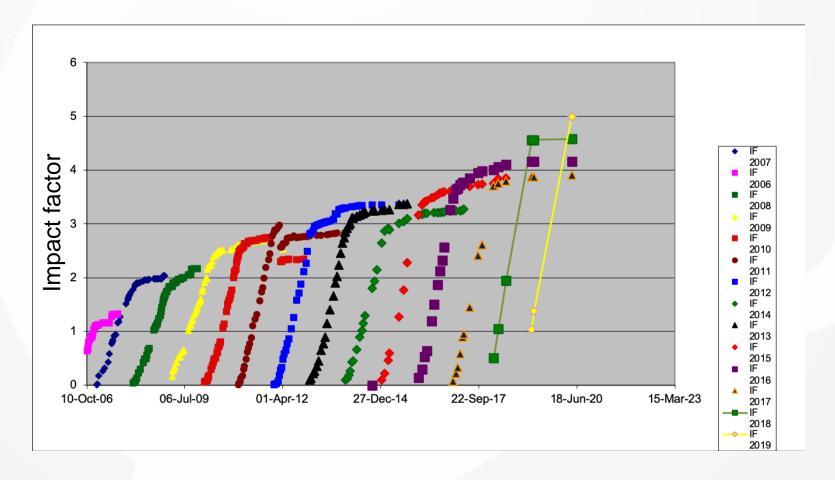


(welcome on board, Thom!)





Report: we are happy and proud to see that the status and reputation of HESS are excellent and continuously improving







 Report: HESS is developing well – thanks to our amazing team of editors and all of you serving as reviewers!

Thank you all for your efforts!

Our amazing editors:

Ackerer, Philippe; Ali, Genevieve; Archfield, Stacey; Aronica, Giuseppe Tito (Guest/Former Editor); Basu, Nandita (Guest/Former Editor); Berkowitz, Brian; Beven, Keith (Guest/Former Editor); Blume, Theresa; Blöschl, Günter; Bogaard, Thom; Buytaert, Wouter; Bárdossy, András; Carrera, Jesús; Coenders-Gerrits, Miriam; De Michele, Carlo; de Rooij, Gerrit H.; DeBeer, Chris (Guest/Former Editor); Di Baldassarre, Giuliano; Ducrocg, Véronique (Guest/Former Editor); Ertsen, Maurits (Guest/Former Editor); Fenicia, Fabrizio; Ferre, Ty P. A.; Freer, Jim; Gentine, Pierre; Geris, Josie (Guest/Former Editor); Ghadouani, Anas; Giudici, Mauro; Greco, Roberto; Guadagnini, Alberto; Hanesiak, John (Guest/Former Editor); Hendricks Franssen, Harrie-Jan; Hildebrandt, Anke; Hipsey, Matthew; Hohenbrink, Tobias L. (Guest/Former Editor); Hrachowitz, Markus; Jackisch, Conrad (Guest/Former Editor); Jarlan, Lionel (Guest/Former Editor); Jewitt, Graham; Kelleher, Christa; Kjeldsen, Thomas; Krueger, Tobias (Guest/Former Editor); Kumar, Rohini; Laudon, Hjalmar (Guest/Former Editor); Li, Yanping (Guest/Former Editor); Llorens, Pilar; Mazvimavi, Dominic; McMillan, Hilary; Mikos, Matjaz; Moreno de las Heras, Mariano; Moussa, Roger; Neuweiler, Insa; Orlowski, Natalie; Paton, Eva N.; Peleg, Nadav; Pfister, Laurent; Polo, María José (Guest/Former Editor); Potes, Miguel (Guest/Former Editor); Renner, Maik (Guest/Former Editor); Riva, Monica; Romano, Nunzio; Rouholahnejad Freund, Elham; Saco, Patricia; Samaniego, Luis; Savenije, Hubert H.G.; Schaefli, Bettina; Schymanski, Stan; Seibert, Jan; Shukla, Shraddhanand; Slater, Louise; Solomatine, Dimitri; Sprenger, Matthias (Guest/Former Editor); Stahl, Kerstin; Stamm, Christian; Stumpp, Christine; Su, Bob; ten Veldhuis, Marie-Claire; Teuling, Ryan; Tian, Fugiang; Toth, Elena; Tramblay, Yves (Guest/Former Editor); Ursino, Nadia; van der Zaag, Pieter; van Griensven, Ann; van Schaik, Loes; Vanclooster, Marnik; Viviroli, Daniel; Wanders, Niko; Wang, Lixin; Weerts, Albrecht; Weiler, Markus; Werner, Micha; Westhoff, Martijn (Guest/Former Editor); Yu, Zhongbo; Yuan, Xing; Zehe, Erwin.





2019 HESS Outstanding Editor Award

Philippe Ackerer



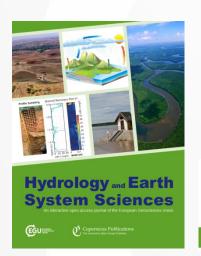
Miriam Coenders-Gerrits



In recognition of their excellent service as Editors of Hydrology and Earth System Sciences



JIM DOOGE AWARD - postponed to later this year



https://www.hydrology-and-earth-system-sciences.net/

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Leonardo Conference 2019



- The 2019 Leonard Conference took place from 16-18 October at the Luxembourg Institute of Science & Technology (LIST).
- It was organised in partnership with the University of Luxembourg (Faculty of Science, Technology and Communication) and the Karlsruhe Institute of Technology (KIT).
- The theme of the conference was 'Global change, landscape ageing and the pulse of catchments'
- Check the blog post with feedback



EGU Blogs » Divisions » Hydrological Sciences » Meeting and networking outside the EGU GA: feedback on the 2019 EGU Leonardo conference

Meeting and networking outside the EGU GA: feedback on the 2019 EGU Leonardo conference

Maria-Helena Ramos · December 18, 2019 · Catchment hydrology, Conference highlights · No Comments



Participants of the 2019 Edition of the EGU Leonardo Conference

ABOU"

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EGU DIVISION BLOGS



https://blogs.egu.eu/divisions/hs/2019/12/18/meeting-and-networking-outside-the-egu-ga-feedback-on-the-2019-egu-leonardo-conference/



Leonardo Conference 2021: call

Leonardo Conference on the Hydrological Cycle

Topical conference series run by HS Small: 80-120 participants Generally in the fall, **every two years**

- Partial financial support provided by EGU
- Expression of interest for 2021 should be sent to Maria-Helena Ramos, hs@egu.eu

BY MAY 15, 2020



- An activity planed in the EGU strategic priorities 2019–2025: https://www.egu.eu/about/strategy/
- An opportunity for 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



A panel with an independent chair

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 Div. President, ESSI)

Dan Parsons (Div. President, GM)

Giuliana Panieri (outgoing Div. President,

BG)

Chris King (Chair of Education Committee) **Philippe Courtial** (EGU Executive Secretary)

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 <u>Mission and Vision</u>
- 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



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 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:

Email: governancereview@egu.eu



Any other business?

EGU General Assembly 2021 Vienna, Austria 25-30 April 2021



- Jun-Sep: public call for sessions
- 13 Jan 2021: abstract submission deadline



https://egu2020.eu/feedback