

2024 Division Meeting Hydrological Sciences

Alberto Viglione

European Geosciences Union

EGU24 General Assembly, Vienna and online | Tuesday, 16 Apr, 12:45-13:45



Meetings | Publications | Outreach | www.egu.eu

Welcome to the HS Division meeting

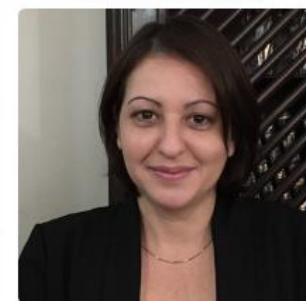


Alberto Viglione
Politecnico di Torino, Italy

**HS Division President
(2023-2025)**

&

**Programme Group (HS) Chair
(EGU24)**



Maria-Helena Ramos
INRAE, France

**HS Division Deputy President
(2023-2025)**

&

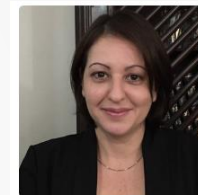
**Programme Committee Co-chair
(EGU24)**

Agenda

1. EGU24: News from the EGU Programme Committee
2. HS Programme, Programme Group Chairs & Science Officers
3. Early Career Scientists activities & ECS reps
4. HS Blog, Outreach and Communication
5. Medal Committees & Division Medallists and Awardees
6. Outstanding Student Posters and PICOs: coordination & awardees
7. Hydrology and Earth System Sciences (HESS): report & awards
8. Any other business

EGU24: News from the EGU Programme Committee

- **EGU Programme Committee** has **two Co-chairs**, appointed by the EGU Council. They are supported by **an Events Manager** staff member from EGU office
- **Programme Committee**: comprised of **General Positions** (Executive Board, Conference Organizer, PC Co-chairs), and **Programme Group Chairs** (25 Programme Groups reflecting the 22 EGU Divisions with their science officers, and SC, ITS, EOS programmes)
- **Our goal**: to offer a reliable, **hybrid** format of the General Assembly with flexibility to respond to any emerging needs, as **inclusive** and **environmentally friendly** as possible, while responding to the main **scientific challenges of geosciences worldwide**



Maria-Helena
Ramos

PROGRAMME COMMITTEE
CO-CHAIR



Athanasios Nenes

PROGRAMME COMMITTEE
CO-CHAIR



Jane Roussak

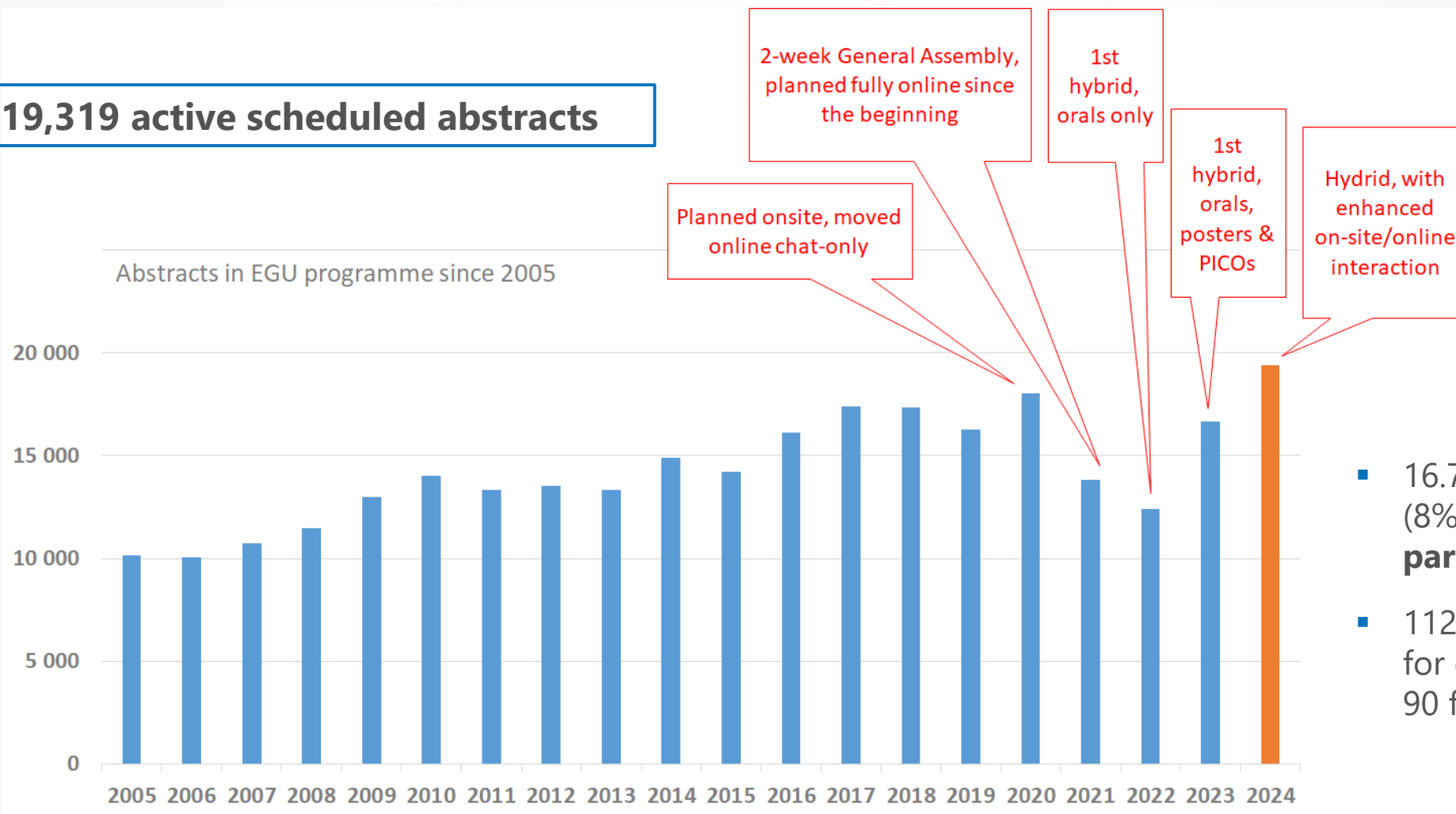
EVENTS MANAGER

https://egu24.eu/about/programme_committee_composition.html

EGU24: numbers at a glance

(as of 29 March 2024)

19,319 active scheduled abstracts



- 16,746 **paid registrations** (8% for **virtual participation**)
- 112 **different countries** for on-site participation; 90 for virtual participation

EGU24: numbers at a glance

(as of 29 March 2024)

- **1,025 active sessions** (+11% EGU23):
 - 675 division-led sessions, of which 42 are ITS sessions
 - 17 Education and Outreach Sessions (EOS) + GIFT workshop
 - 61 Short Courses + 2 Artist in Residence workshops
 - 39 Medal and Award Lectures
 - 152 Townhall & Splinter meetings scheduled
 - 6 Union Symposia and 10 Great Debates
- **ECS Networking, Science for Policy, and EDI Committee events**



EGU23 oral presentation
Photo credit: Pfluegl 2023

More on: <https://www.egu24.eu/>



Great Debate 3

**The Great EGU Climate Debate:
The Anthropocene - Epochalypse Now?**

**Tuesday 16 April, 16:15–18:00 CEST
Room E1**

#EGU24



Great Debate 4

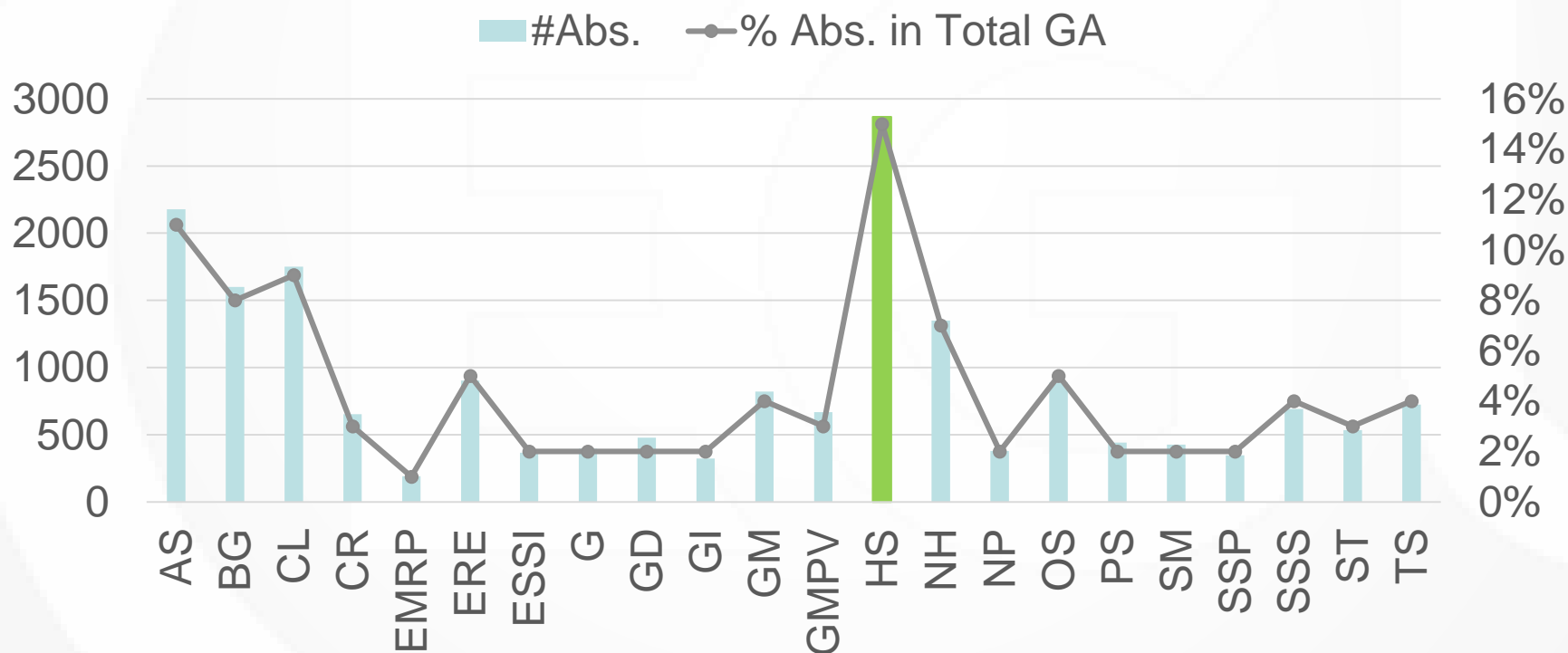
**Early Warnings for All (EW4ALL)
Initiative: science needs for the
global ambition to protect everyone
by 2027**

**Thursday 18 April, 10:45–12:30 CEST
Room E1**

#EGU24

EGU24: numbers at a glance

Abstracts per Programme Group (PG)



(as of 24 March 2024)

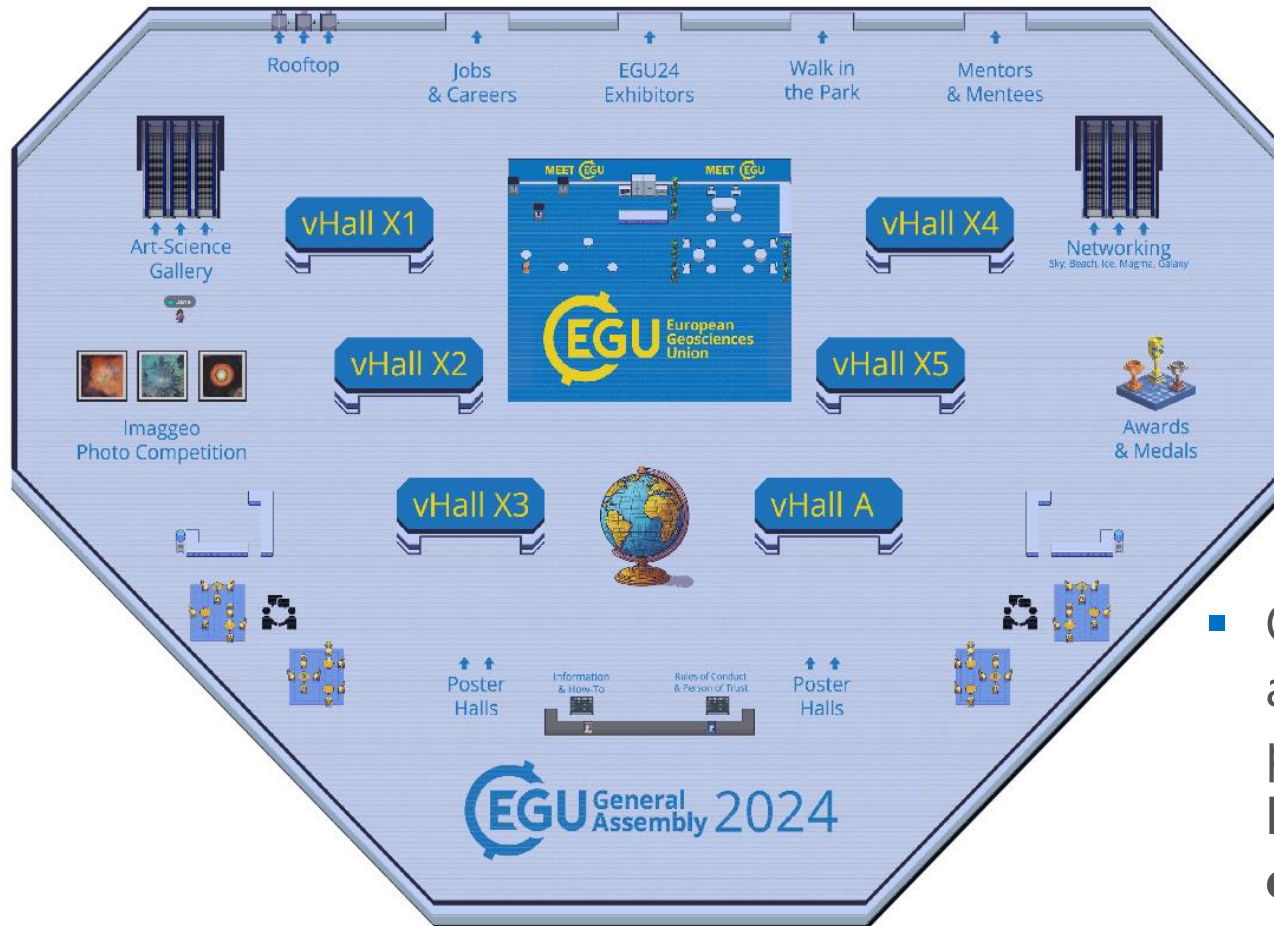
HS Division programme

101 active sessions
 3,393 active abstracts:
 1,540 orals
 346 PICOs
 1,374 posters on site
 133 virtual posters

download the pdf at
<https://blogs.egu.eu/divisions/hs/2024/04/08/egu24-highlights/>

	Monday 15 April					Tuesday 16 April					Wednesday 17 April									
Oral sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00					
3.16/17	HS8.2.12	HS8.2.12		HS5.1.1	HS5.1.1	HS3.1	HS3.1		HS8.3.3	HS8.3.3	HS3.1	HS2.1.5		HS2.1.5	HS8.3.3					
3.29/30	HS9.6	HS9.6		HS4.8	HS4.8	HS6.1	HS4.8		HS6.1	HS6.1	HS6.3	HS10.6		HS6.3	HS6.3					
B	HS8.3.2	HS8.3.2		HS8.1.8	HS8.1.8	HS8.3.2	HS8.1.8		HS8.2.1	HS8.2.1	HS2.4.3	HS7.5		HS7.5	HS8.2.1					
C																				
2.15	HS8.1.7	HS8.1.7		HS8.1.5	HS8.1.3	HS9.2	HS9.3		HS4.3	HS4.6				HS2.3.5	HS5.3.4					
2.17	HS1.1.10	HS2.2.9		HS2.1.9	HS1.2.5															
2.23																				
2.31	HS2.1.4	HS2.1.4		HS3.9	HS3.9				HS5.2.2	HS3.2				HS2.3.2	HS2.3.2					
2.44	HS3.5	HS3.5		HS1.3.5	HS1.3.5	HS7.2	HS7.2		HS2.3.8	HS2.3.8	HS7.1	HS1.3.3		HS8.2.14	HS8.2.14					
1.31/32											HS2.3.3	HS2.3.3								
Pico sessions:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00					
A - Hall A	HS1.1.2	HS1.1.2			HS1.1.2	HS4.1	HS2.5.3			HS5.3.3	HS6.10	HS5.3.5			HS4.4					
3 - X3						HS7.4	HS6.4								HS7.9					
Posters:	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00	8:30-10:15	10:45-12:30	12:45-13:45	14:00-15:45	16:15-18:00					
Hall A vHall A		HS1.2.5 HS2.3.8 HS4.3 HS5.2.1 HS6.1 HS8.1.3		Virtual posters	HS1.3.5 HS1.1.10 HS1.2.1 HS2.1.4 HS2.1.9 HS3.5 HS8.1.7 HS8.2.12 HS8.3.2 HS9.6		HS2.1.12 HS2.2.9 HS3.2 HS3.9 HS4.6 HS8.1.1 HS5.1.3 HS8.1.5		Virtual posters	HS1.3.5 HS2.2.5 HS3.1 HS4.8 HS6.3 HS7.2 HS8.1.8 HS9.2 HS9.3		HS1.3.1 HS2.4.2 HS3.2 HS5.4.4 HS7.7 HS8.2.1 HS8.3.3 HS10.8		Virtual posters	HS1.1.3 HS1.3.3 HS2.3.3 HS2.4.3 HS5.1.2 HS7.1 HS8.1.2 HS10.5 HS10.6					
Sub-Groups:	<ul style="list-style-type: none"> HS1 General Hydrology HS2 Catchment Hydrology HS3 Hydroinformatics HS4 Hydrological forecasting HS5 Water policy, management and control HS6 Remote sensing and data assimilation HS7 Precipitation and climate HS8 Subsurface hydrology HS9 Erosion, sedimentation & river processes HS10 Ecohydrology, wetlands and estuaries 					<ul style="list-style-type: none"> 3.16/17 3.29/30 B C 2.15 2.17 2.23 2.31 2.44 1.31/32 					<ul style="list-style-type: none"> A - Hall A 3 - X3 					<ul style="list-style-type: none"> Hall A vHall A 				
	<p>* The Henry Darcy and John Dalton Medal Lectures will be given by Alberto Guadagnini and Paul Bates on Tuesday and Thursday evening, 19:00-20:00, in Room B</p>					<p>* The ECS award lecture will be on Monday, 14:00-14:45, in Room 3.16/17</p>					<p>* HS sponsors the Great Debate GDB4, Thursday, 18 April, 10:45-12:30, in Room E1</p>					<p>* The HS-ECS will have a joint networking event for early career hydrologists on Monday, 12:45-13:45 on the roof terrace</p>				
	Thursday 18 April					Friday 19 April														
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3.29/30	HS10.6	HS10.6		HS6.12	HS1.1.1	HS6.12	HS6.12		HS5.3.1	HS5.3.1	HS6.12	HS6.12		HS2.2.1	HS2.2.1					
B	HS2.4.3	HS2.4.3		HS2.4.3	HS7.5	HS5.3.1	HS5.3.1		HS2.2.1	HS2.2.1	HS5.3.1	HS5.3.1		HS2.5.1	HS2.5.1					
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2.15	HS6.8	HS10.5		HS10.8	HS6.6	HS10.3	HS10.1		HS10.9	HS7.6				HS8.2.13						
2.17						HS6.5	HS6.5		HS8.2.13		HS6.5	HS6.5								
2.23						HS7.8	HS8.3.7				HS7.8	HS8.3.7		HS3.4	HS3.4					
2.31	HS4.5	HS1.1.11		HS1.3.1	HS2.1.11	HS2.3.1	HS2.3.1		HS3.4	HS3.4	HS2.3.1	HS2.3.1		HS2.4.4	HS2.4.4					
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Stop by the EGU24 Gather.Town!



- Spatial video-conferencing platform available to all EGU24 registered participants
- Used for **virtual posters** during timeblock 3, networking & more
- Custom design inspired by the Austria Center Vienna!

- Onsite attendees can also visit the virtual poster sessions **at the PICO spot in the corresponding on-site poster hall**



Programme Group Chairs & Science Officers



Subdivision on
Catchment hydrology



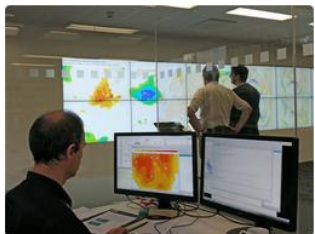
Subdivision on
Ecohydrology, wetlands and
estuaries



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 sub-programme groups

**Meet the Hydrological Sciences Division
(President, SD chairs, ECS Reps)**

EGU booth – Hall X2
Tue, 16 Apr, 15:30–16:00



EGU23 EGU HS booth

Photo credit: Ramos 2023

Programme Group Chairs & Science Officers

General hydrology

HS1:



Alberto Viglione
Politecnico di Torino, Italy

also co-managing:

- Short Courses of specific interest to Hydrological Sciences (HS11),
- Inter- and transdisciplinary sessions (ITS) related to Hydrological Sciences (HS12), and
- Further sessions of interest to Hydrological Sciences (HS13)

Programme Group Chairs & Science Officers

Catchment Hydrology HS2:



Björn Guse
University of Kiel
Germany



Miriam Glendell
James Hutton Institute
Scotland UK

Sub-programme group meeting:

Thursday 18 April
at 12:45
in room 2.32

2-year term (renewable once)

Programme Group Chairs & Science Officers

Hydroinformatics HS3:



Emmanouil Varouchakis
Technical University of Crete

Sub-programme group meeting:

Wednesday 17 April
at 12:30
in room 3.16/17

2-year term (renewable once)

Programme Group Chairs & Science Officers

Hydrological Forecasting HS4:



Ilias Pechlivanidis
SMHI, Sweden
(outgoing)



Louise Slater
University of Oxford
(incoming)

Sub-programme group meeting:

Thursday 18 April
at 16:15
in room 2.83

2-year term (renewable once)

Programme Group Chairs & Science Officers

**Water policy, management and control
HS5:**



Andrea Cominola
Einstein Center Digital Future and
Technische Universität Berlin,
Germany

Sub-programme group meeting:

Wednesday 17 April
at 14:00
in room 2.32

2-year term (renewable once)

Programme Group Chairs & Science Officers

**Remote sensing & data assimilation
HS6:**



Rafael Pimentel
University of Cordoba, Spain

Sub-programme group meeting:

Wednesday 17 April
at 11:30
in room 2.32

2-year term (renewable once)

Programme Group Chairs & Science Officers

Precipitation and Climate HS7:



Roberto Deidda
Università degli studi di Cagliari,
Italy

Sub-programme group meeting:

Wednesday 17 April
at 18:00
in room 2.32

2-year term (renewable once)

Programme Group Chairs & Science Officers

**Subsurface hydrology
HS8:**

Groundwater: Irina Engelhardt



Technische Universität Berlin,
Germany

Vadose zone: Roland Baatz
Leibniz Centre for Agricultural Landscape Research (ZALF),
Germany



Sub-programme group meeting:

Friday 19 April
at 12:45
in room 2.33

2-year term (renewable once)

Programme Group Chairs & Science Officers

Erosion, sedimentation & river processes
HS9:



Olivier Evrard
Laboratoire des Sciences du
Climat et de l'Environnement,
France

Sub-programme group meeting:

Wednesday 17 April
at 9:00
in room 2.32

2-year term (renewable once)

Programme Group Chairs & Science Officers

Estuaries, wetlands & ecohydrology

HS10:



Natalie Orlowski
TU Dresden,
Germany

Sub-programme group meeting:

Friday 19 April
at 12:45
in room 2.32

2-year term (renewable once)

EGU General Assembly **2024**
ECS HIGHLIGHTS

Division **Hydrological
Sciences**



Early Career Scientists activities & ECS reps

ECS rep and ECS co-rep for the HS Division:

Florentine Weber (2022-2024)
(outgoing)



European Centre for Medium-Range Weather Forecasts (ECMWF)

Christina Orieschnig (2023-2025)



French National Research Institute for Sustainable Development (IRD)

Melissa Reidy (2024-2026)
(incoming)



Umeå University, Sweden

Early Career Scientists activities & ECS reps

2023-24 Activities:

1. Built an ECS Team



Kirsten M. Florentine Weber
HS ECS Rep



Christina Anna Orieschnig
Incoming HS ECS Rep



Jordi Buckley
HS ECS Rep Assistant



Santiago Duarte
HS ECS Rep Assistant



Fangjun Peng
HS ECS Rep Assistant

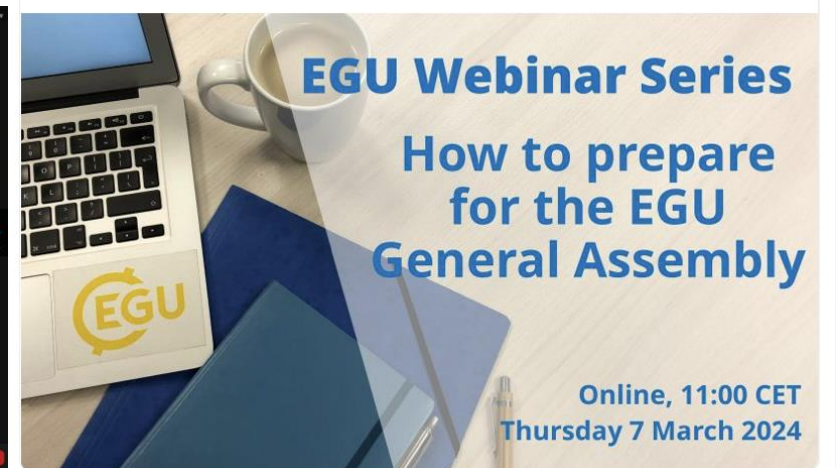
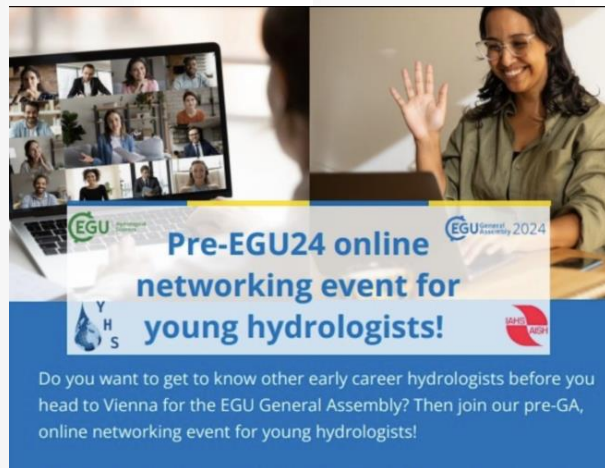


Athanasios V. Serafeim
HS ECS Rep Assistant

Early Career Scientists activities & ECS reps

2023-24 Activities:

1. Built an **ECS Team**
2. Empowered **committees**, particularly Outreach + Education, to thrive
3. Developed a forward-focused, **5-year strategy** for the ECS Rep team
4. Collaborated with other **divisions** to become more connected at EGU
5. Further collaborated with international ECS groups to develop global community, including YHS and ECS at IAHS - (online) networking events



Early Career Scientists activities & ECS reps

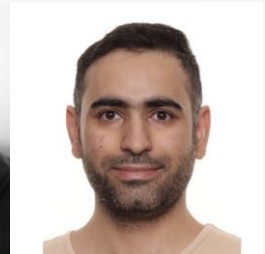
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5. Further collaborated with international ECS groups to develop global community, including YHS and ECS at IAHS - (online) networking events
6. Brought new voices to the forefront via social media, the HS **blog** and **social media**
7. Organization of **Short Courses** and a **Great Debate** at EGU24
8. Increase **ECS visibility (EGU Booth)**

Early Career Scientists activities & ECS reps

2024-25 Activities:

1. Further develop **roles and workflows** within the ECS team
2. Send out the **newsletter** regularly (monthly or bi-monthly)
3. Regular collaboration with the blog team to **expand series** (bi-weekly posts)
4. Create videos and **short courses for skillbuilding during the year**
5. Launch **campfires and webinar events** during the year (eg. AI in hydrology, fieldwork organization, interdisciplinarity)
6. Collaborate more closely with **YHS and ECS at IAHS and AGU** and other societies
7. Expand reach to community members in other **underrepresented countries**
8. Create a **platform to share projects** and establish cooperation among HS ECS

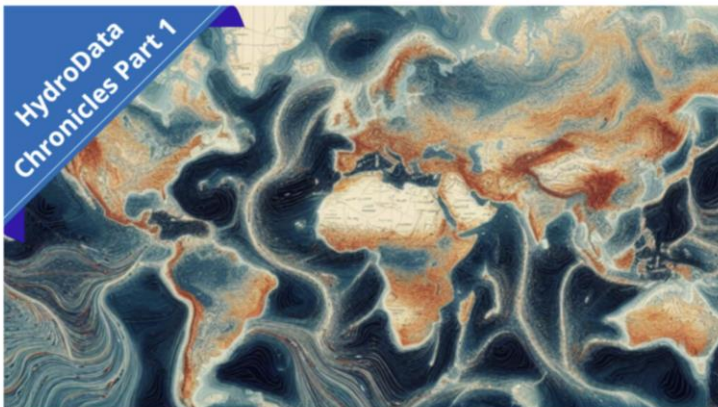


HS Blog, Outreach and Communication

1. Published **39 blog posts** since the last General Assembly
2. Started a new blog series: **HydroData Chronicles**

HydroData Chronicles: A High-Resolution 40-Year Rainfall Dataset Covering the Entire Contiguous US

Athanasios V. Serafeim and Stergios Emmanouil · March 26, 2024 · HydroData Chronicles · No Comments



Overlooked tips for the lost art of fieldwork

Natalie Ceperley · February 29, 2024 · Catchment hydrology, Ecohydrology, wetlands & estuaries, Opinion, Subsurface hydrology, Teaching · No Comments



The author finalizing installation of a meteorological station in the Vallon de Nant, just in the nick of time (before winter truly begins).

Do-It-Yourself (DIY) in Geoscience Miniseries – Part 2: Sensors & Electronics

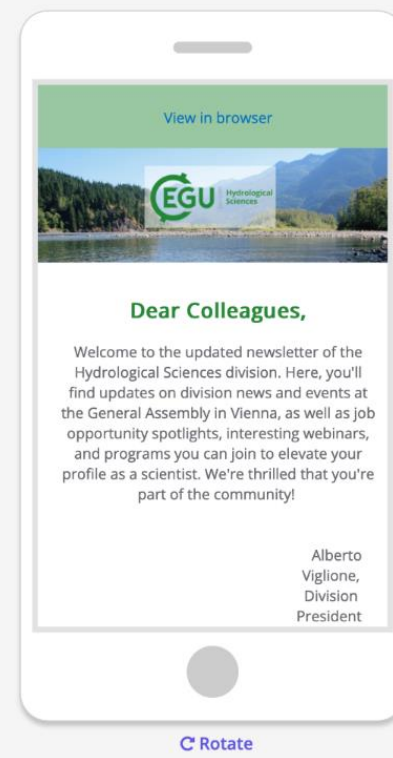
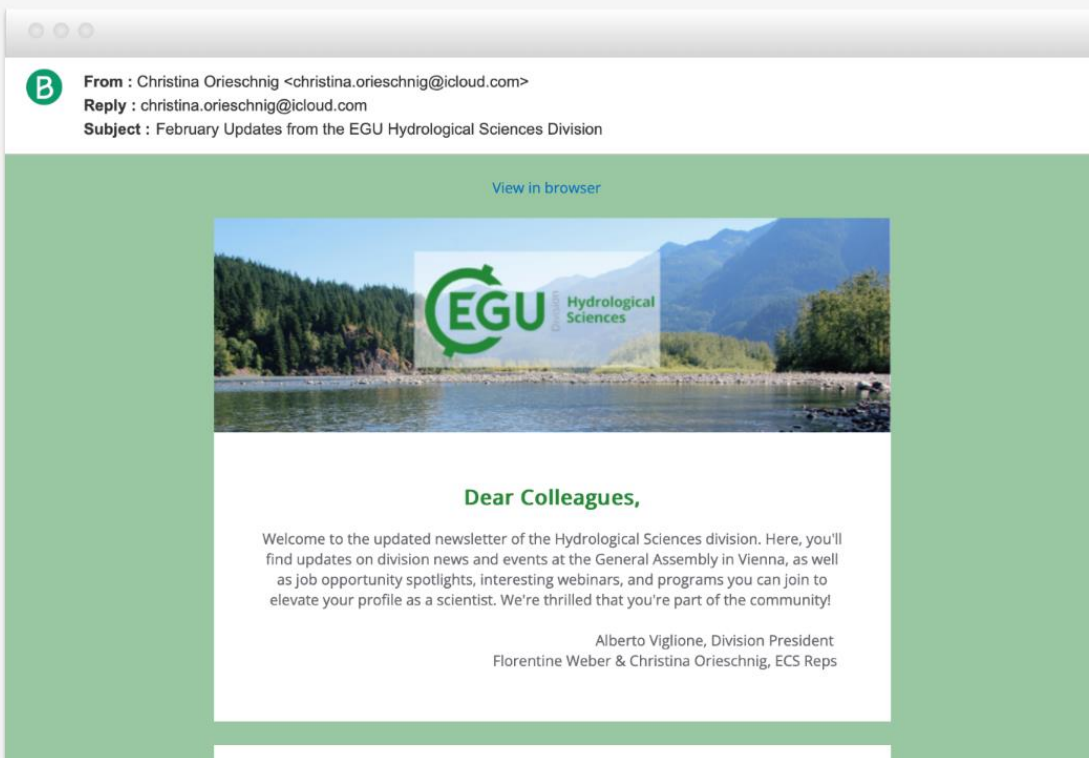
Jonas Pyschik · February 1, 2024 · Catchment hydrology, Early Career Scientists, Hydrological data, Subsurface hydrology · No Comments



HS Blog, Outreach and Communication

1. Published **39 blog posts** since the last General Assembly
2. Started a new blog series: **HydroData Chronicles**
3. Launched a monthly **newsletter in a new design** and encouraged sign-ups

SIGN UP!



HS Blog, Outreach and Communication

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3. Continued posting on Twitter, created **LI & FB** pages, revitalized **Instagram** (8,000+ followers!)



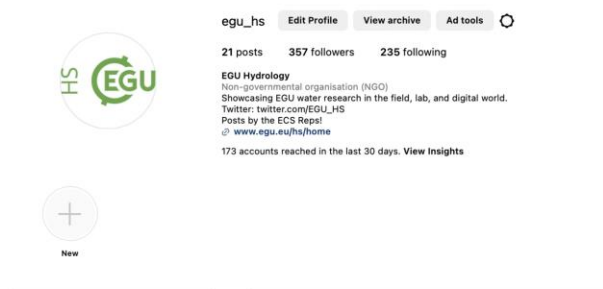
EGU Hydrological Sciences

The official LinkedIn page of the Hydrological Sciences (HS) Division of EGU.
Research Services · Munich · 97 followers · 11-50 employees

Alain & 63 other connections follow this page

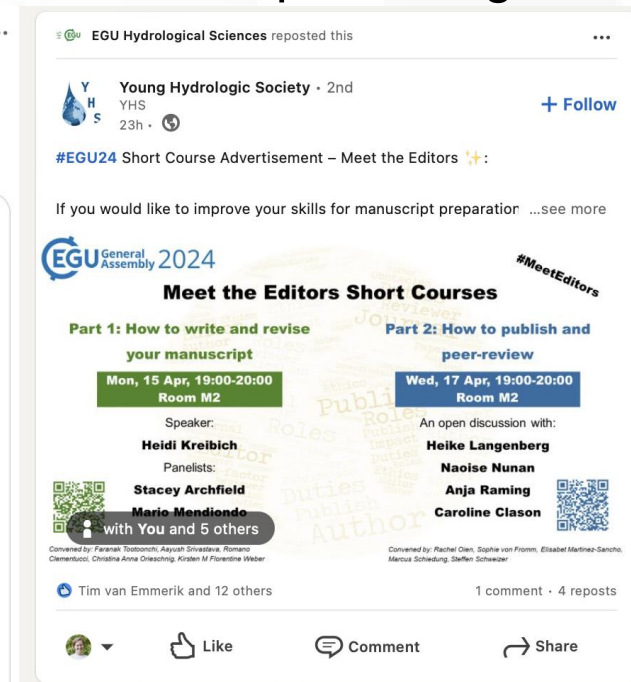


Home About Posts Jobs People



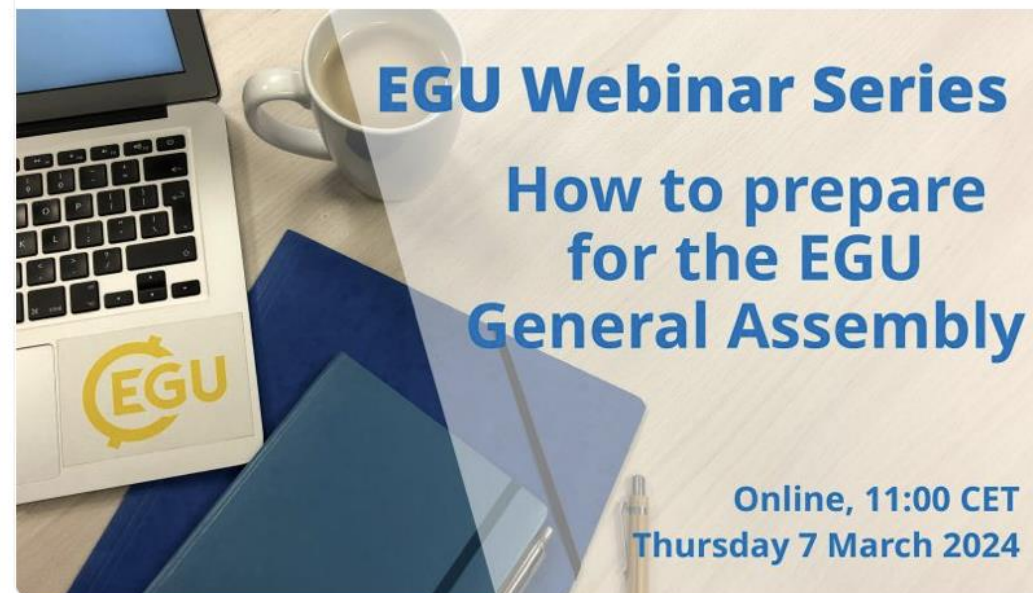
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4. Closer collaboration with YHS and IAHS on networking events and cross-promoting initiatives



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5. Held a union-wide webinar to prepare first-time attendees to attend the GA



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5. Held a union-wide webinar to prepare first-time attendees to attend the GA
6. Contributed to mentoring scheme, Short Courses on how to navigate EGU and become involved
7. Organized networking events before and during the GA, together with YHS and IAHS





Medals and Awards

Division Medallists and Awardees

HS Division awards and medals:

- Outstanding Early Career Scientists Award
- John Dalton Medal
- Henry Darcy Medal

Division Medallists and Awardees 2024

2024 HS Division Early Career Outstanding Scientist Award



Andrea Cominola
Technische Universität Berlin

“... for outstanding research on data-driven behavioural modelling in coupled human-water systems”

Monday, 15 Apr, 14:00–14:45 (CEST)
Room 3.16/17

**Learning from the past to shape the future.
Harnessing multi-scale human data and earth
observations to foster sustainable water usage and
societal adaptation to climate change**

Division Medallists and Awardees 2024

2024 HS Division John Dalton Medallist



Paul Bates
University of Bristol

“...for outstanding contributions to the modeling of flood hydrology from the local to the global scale”

Thursday, 18 Apr, 19:00–20:00 (CEST)
Room B

**How far can we go in global
flood inundation modelling?**

Division Medallists and Awardees 2024

2024 HS Division Henry Darcy Medallist



Alberto Guadagnini
Politecnico di Milano

“... for his advancements in the frontiers of hydrology through development and application of quantitative, process-based, flow and chemical transport models in subsurface water bodies under uncertainty”

Tuesday, 16 Apr, 19:00–20:00 (CEST)
Room B

**A view into the richness of
processes in porous media**



EGU Award & Medal Celebration

**Wednesday 17 April,
17:30-19:30 CEST**

#EGU24

Room E1

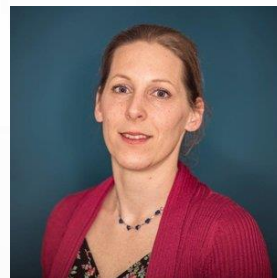
Medals & ECS Award Committees

Early Career Outstanding Scientist Award Committee

- Alberto Viglione (HS Pres.)
- Manuela Brunner
- Inge de Graaf (incoming)



Miriam Coenders (outgoing)



2-year term, every year
one step down/in

needs approval

Medals & ECS Award Committees

Committee for the John Dalton Medal

- Brian Berkowitz (chair)
- Martha Anderson
- Luis Samaniego
- Taikan Oki
- Paul Bates (incoming)

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

Amilcare Porporato (outgoing)

Ex-officio [not voting]: HS Division President and Chair of the Union Awards Committee

Medals & ECS Award Committees

Committee for the Henry Darcy Medal

- Berit Arheimer (chair)
- Andreas Hartmann
- Wouter Buytaert
- Marc Bierkens
- Alberto Guadagnini (incoming)

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

Xavier Sánchez-Vila (outgoing)

Ex-officio [not voting]: HS Division President and Chair of the Union Awards Committee

Division Medallists and Awardees 2025

- Call for nominations is open **until 15 June 2024**

	Division and Union medals	Outstanding ECS Award
Nomination letter	5000 characters (including spaces)	2500 characters (including spaces)
Curriculum Vitae	2 pages	1 page
Selected bibliography	2 pages	½ page
Supporting letters	3-5 5000 characters (including spaces)	None (multiple nominators possible)

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



- Contact: Thomas Blunier (chair) awards-medals@egu.eu

Division Medallists and Awardees 2025

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

Introduced in 2022: Divisions with a large number of nominations were able to send 2 candidates to compete in the Arne Richter Award

Nominate your outstanding colleagues!



This presentation participates in **OSPP**



This presentation participates in **OSPP**



**Outstanding Student
Posters and PICOs**

Outstanding Student Posters and PICOs: coordination & awardees

Coordinators:



Alicia Correa
(outgoing)



Robert Reinecke



Lina Stein
(incoming)

Rewards the best posters and PICOs of young scientists (current and recently completed graduates)

- In 2020: no OSPP award
- In 2021: new format adapted to #vEGU21 with 330 participants
- In 2022: hybrid format with display material uploaded, 465(!) participants
- In 2023: 365 participants.
- In 2024: 398 participants.

Outstanding Student Posters and PICOs: coordination & awardees

Awardees 2023



Amos Agossou



Bryan Marinelli



Elisie Kåresdotter



Irene Himmelbauer



Jonas Pyschik



Michael De Santi



Shoobhangi Tyagi



Tim Busker



Tzu-Han Weng

398 participants in the HS Division

The main rule is to give appr. 1 award per 30 eligible participants (>3 votes):

→ **please VOTE!**

(instructions at <https://www.egu.eu/awards-medals/ospp-award/>)

Outstanding Student Posters and PICO's: coordination & awardees

1

Abstract	Session	Presentation		
EGU24-3398 Author name and abstract title	HS2.1.11 ✉	Board A.2 Hall A Thu, 10:45-12:30	Decline	Agree
				OSPP judge form

2

Abstract	Session	Presentation		
EGU24-3398 Author name and abstract title	HS2.1.11 ✉	Board A.2 Hall A Thu, 10:45-12:30	Decline	OSPP judge form

OSPP voting tool

EGU24-3398 | [HS2.1.11](#) | [ECS](#) | [OSPP](#)

Author name and abstract title

Thu, 18 Apr | 10:45-12:30 | A.2 (Hall A)

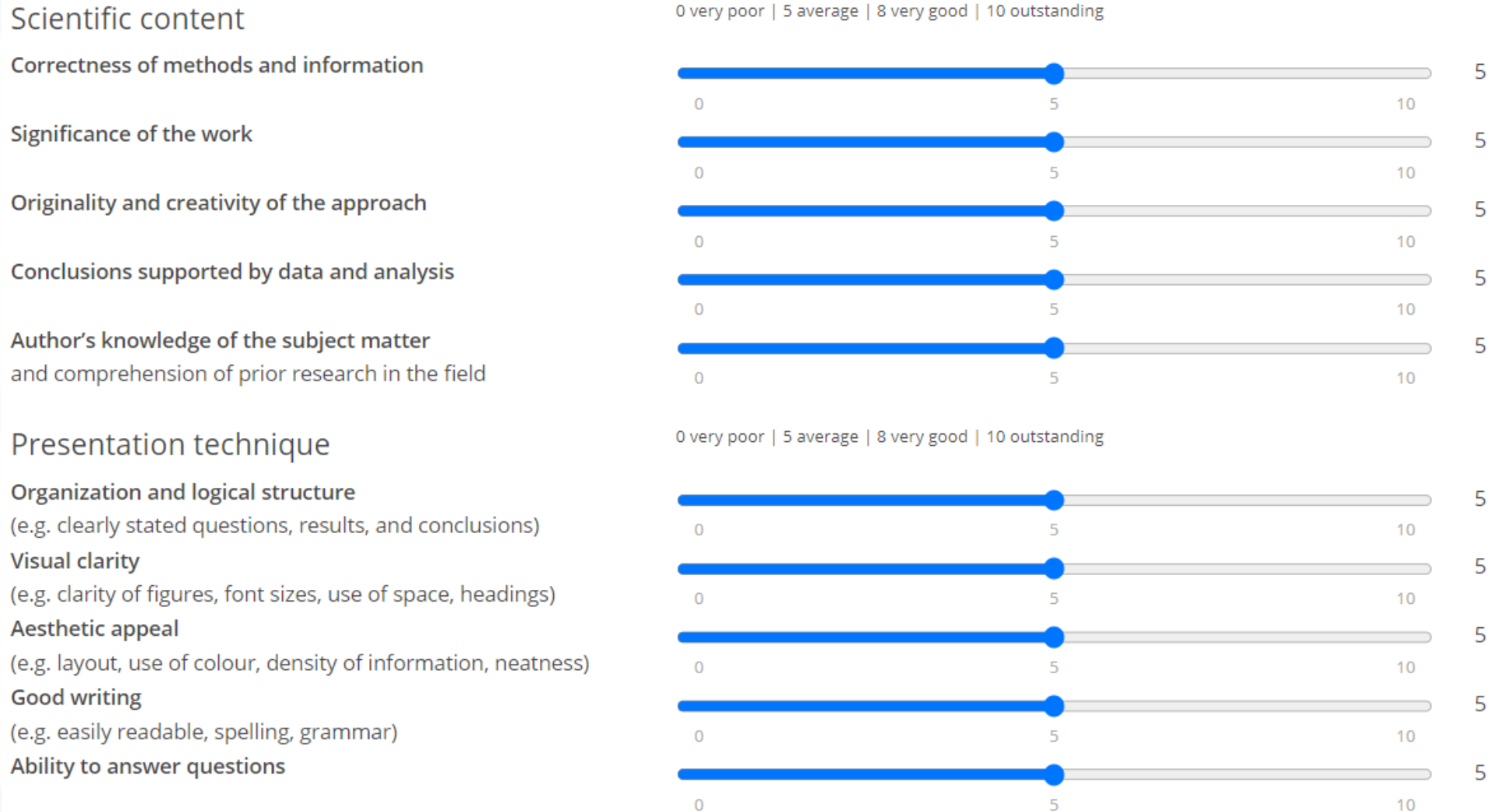
OSPP judge: Alicia Correa

The link or QR code to the evaluation form is available on the online presentation page.

Outstanding Student Posters and PICOs: coordination & awardees

Evaluation

How to vote:



Outstanding Student Posters and PICOs: coordination & awardees

EGU24-3398 | **ECS** | **OSPP**

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

Overall impression

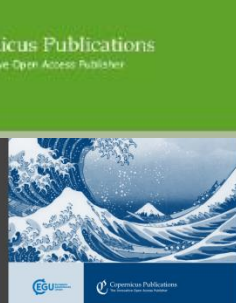
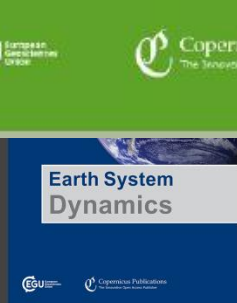
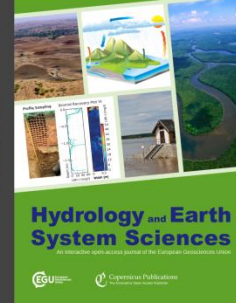
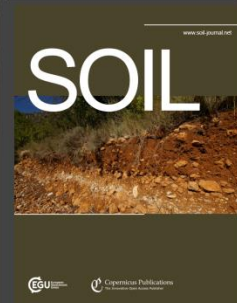
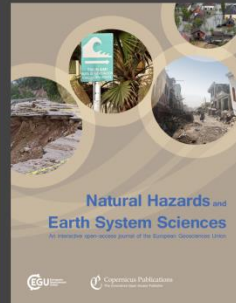
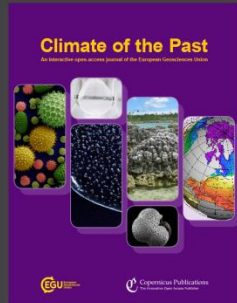
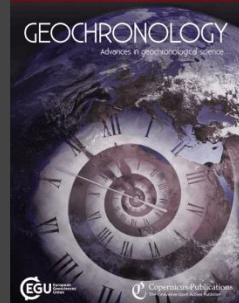
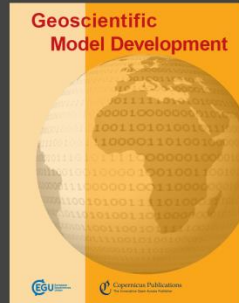
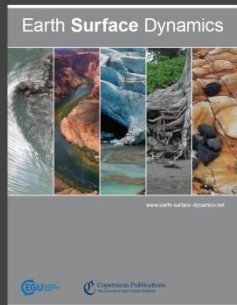
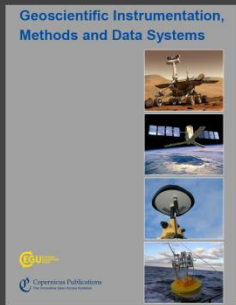
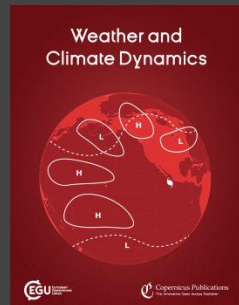
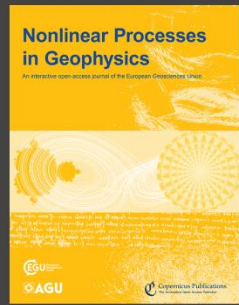
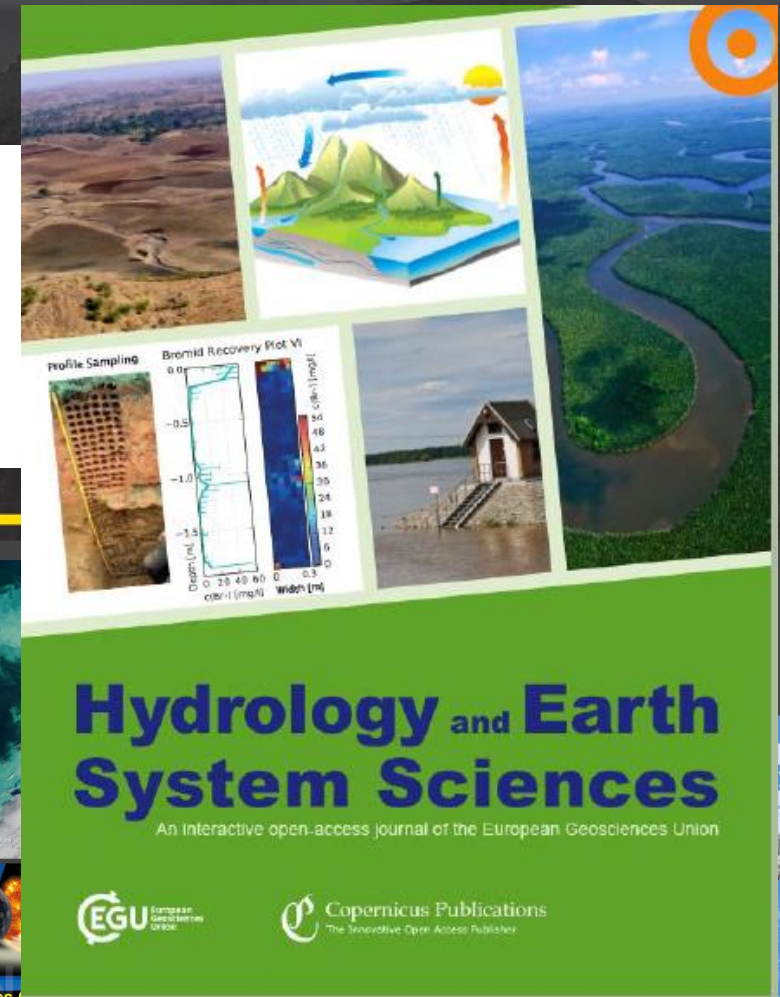
- Outstanding and I highly recommend considering it for an award
- Very good and could be worth an award
- Good but is probably no award-candidate
- Fair quality
- Poor quality

Submit vote

Evaluation

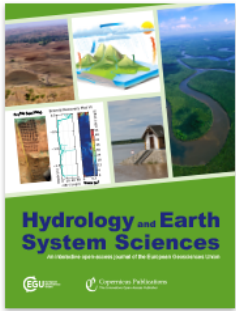
How to vote:

HS-EGU journal: HESS



www.egu.eu/publications

Hydrology and Earth System Sciences (HESS): report & awards



OPEN ACCESS INTERACTIVE PUBLIC PEER REVIEW ARTICLE LEVEL METRICS MODERATE ARTICLE PROCESSING CHARGES FINANCIAL SUPPORT

Executive editors : Theresa Blume, Alberto Guadagnini, Thom Bogaard & Erwin Zehe

eISSN: HESS 1607-7938, HESSD 1812-2116

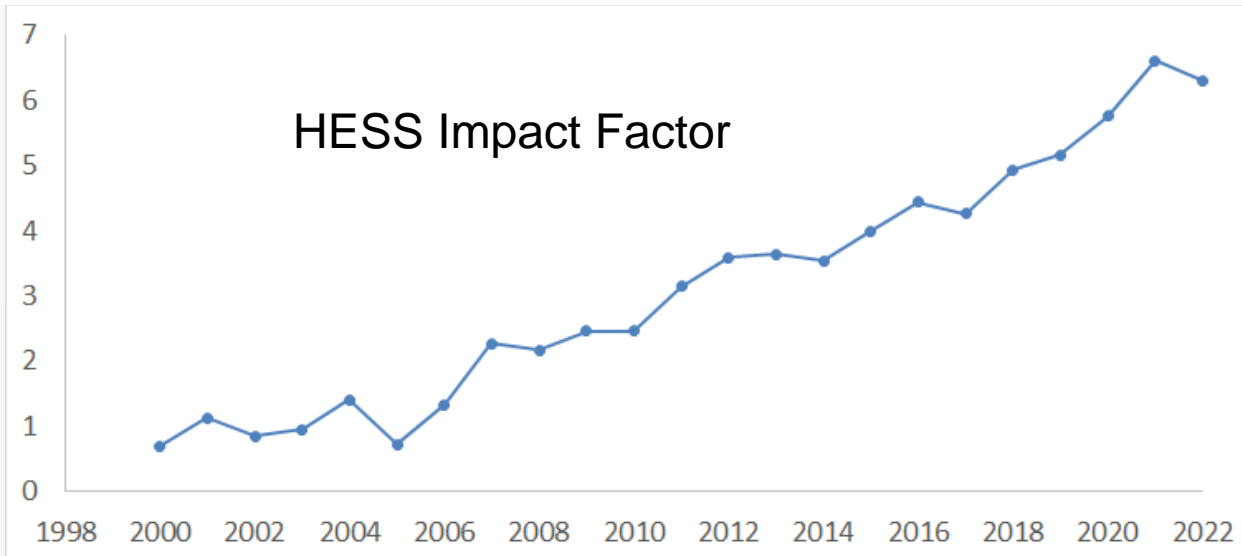
Hydrology and Earth System Sciences (HESS) is a not-for-profit international two-stage open-access journal for the publication of original research in hydrology. HESS encourages and supports fundamental and applied research that advances the understanding of hydrological systems, their role in providing water for ecosystems and society, and the role of the water cycle in the functioning of the Earth system. A multi-disciplinary approach is encouraged that broadens the hydrological perspective and the advancement of hydrological science through integration with other cognate sciences and cross-fertilization across disciplinary boundaries.

Clarivate™ IF 6.617

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h5-index 70



This success is the result of hard work by Authors, Reviewers and Editors! Thank you!



Hydrology and Earth System Sciences (HESS): **The Editors** **(the people that make HESS a success)**

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Thank you!

Hydrology and Earth System Sciences (HESS): report & awards

HESS Outstanding Editor Award 2023

Markus Hrachowitz



In recognition of his excellent service
as Editor of
Hydrology and Earth System Sciences

Hydrology and Earth System Sciences (HESS): report & awards

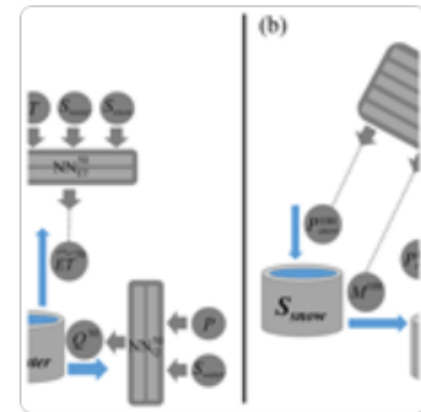
Jim Dooge Awards 2022

Research article | Highlight paper | 

11 Oct 2022

Improving hydrologic models for predictions and process understanding using neural ODEs

Marvin Höge , Andreas Scheidegger, Marco Baity-Jesi, Carlo Albert, and Fabrizio Fenicia



Hydrology and Earth System Sciences (HESS): report & awards

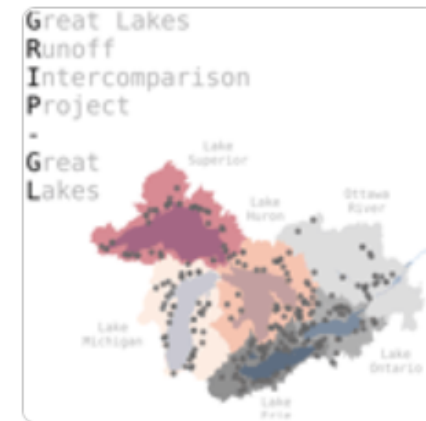
Jim Dooge Awards 2022

Research article | Highlight paper | 

08 Jul 2022

The Great Lakes Runoff Intercomparison Project Phase 4: the Great Lakes (GRIP-GL)

Juliane Mai , Hongren Shen, Bryan A. Tolson, Étienne Gaborit, Richard Arsenault, James R. Craig, Vincent Fortin, Lauren M. Fry, Martin Gauch, Daniel Klotz, Frederik Kratzert, Nicole O'Brien, Daniel G. Princz, Sinan Rasiya Koya, Tirthankar Roy, Frank Seglenieks, Narayan K. Shrestha, André G. T. Temgoua, Vincent Vionnet, and Jonathan W. Waddell




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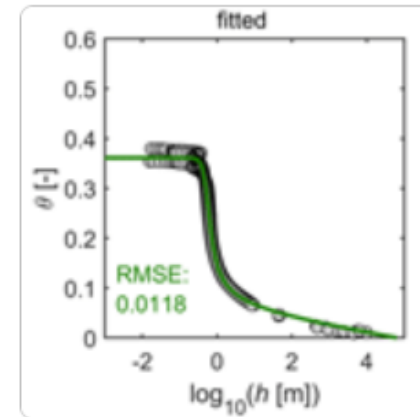
Jim Dooge Awards 2023

Research article | Highlight paper | 

17 Apr 2023

Prediction of the absolute hydraulic conductivity function from soil water retention data

Andre Peters , Tobias L. Hohenbrink, Sascha C. Iden, Martinus Th. van Genuchten, and Wolfgang Durner



Hydrology and Earth System Sciences (HESS): report & awards

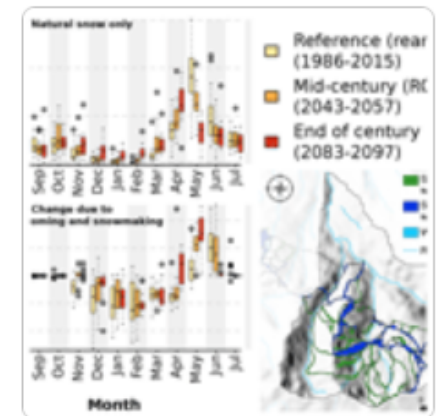
Jim Dooge Awards 2023

Research article | Highlight paper | 

04 Dec 2023

Simulated hydrological effects of grooming and snowmaking in a ski resort on the local water balance

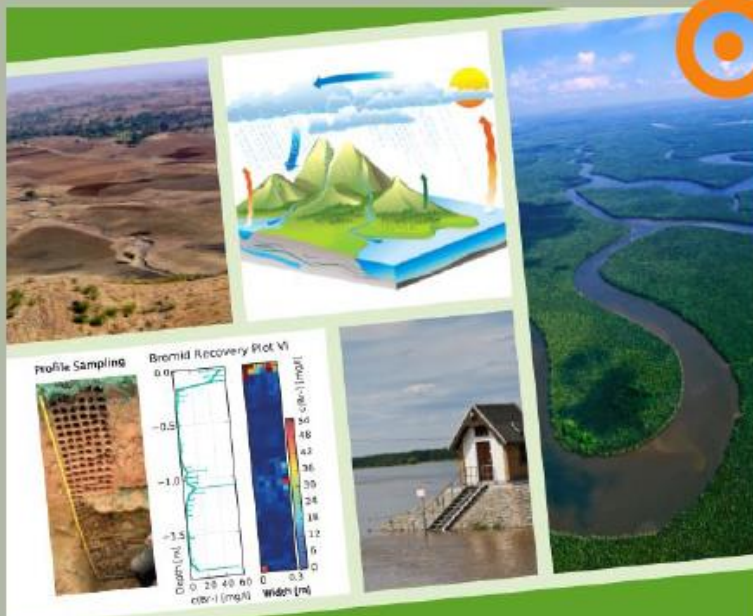
Samuel Morin , Hugues François , Marion Réveillet, Eric Sauquet, Louise Crochemore, Flora Branger, Étienne Leblois, and Marie Dumont



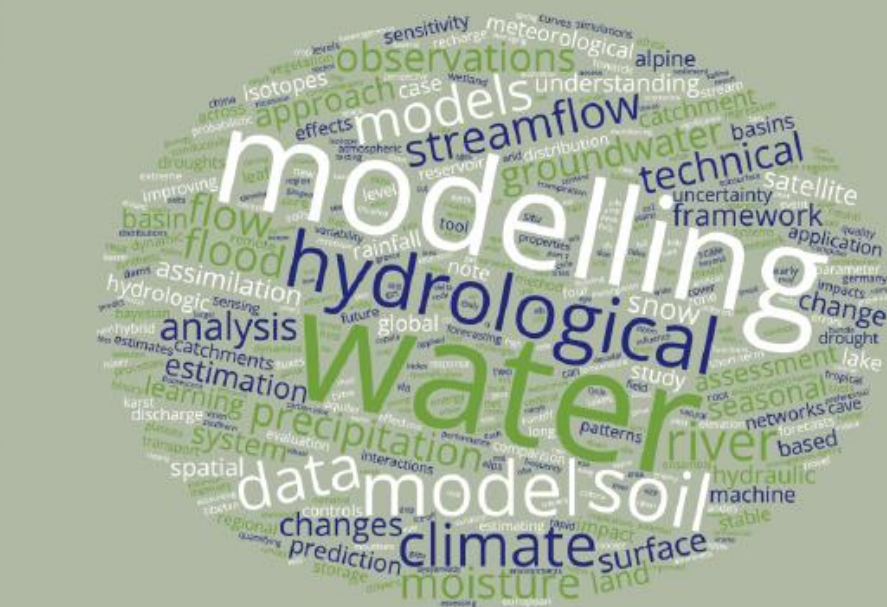


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Louise Slater, author 2023
doi.org/10.5194/hess-27-1865-2023/

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5-year Impact Factor (2022): **6.9**

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Number of countries
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based in 2023: **18**



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