



IAHS

DIGITAL WATER GLOBE

A tool for networking knowledge in hydrology



SPM128

# IAHS Digital Water Globe

*A tool for networking knowledge in hydrology*

## Conveners

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# Digital Water Globe

The Digital Water Globe platform is developed by the Swedish Meteorological and Hydrological Institute (SMHI), on behalf of IAHS.



<https://dwg.smhi.se/dwg/>

# The Digital Water Globe (DWG)



- The Digital Water Globe is an innovative tool specially designed for, and by, IAHS members.
- Here you can give visibility to (un)published results, research sites and find peers for collaborating around the world.
- The information is kept short and concise like a digital poster exhibition with key messages.
- Filter functions facilitate the search.



# Background

- During the IAHS centenary in 2022
- Web platform and software system
- Link+display global hydrol. knowledge + scientific findings
- Facilitate new networking and knowledge management.
- DWG to stimulate and facilitate engagement, interactions, and dialogues between IAHS members (scientists, stakeholders, experts, practitioners, media, and citizens)
- Web visualisation and cutting-edge hydrological research from IAHS members.



IAHS Assembly, Montpellier, France, 2022  
the 100-year anniversary with the end of  
the [Panta Rhei](#) decade, envisaging  
progress on the 23 UPHs - [Unsolved  
Problems in Hydrology](#), developments of  
[Open Science](#) and support to [Agenda  
2030](#) in water-related fields.

# Digital Water Globe

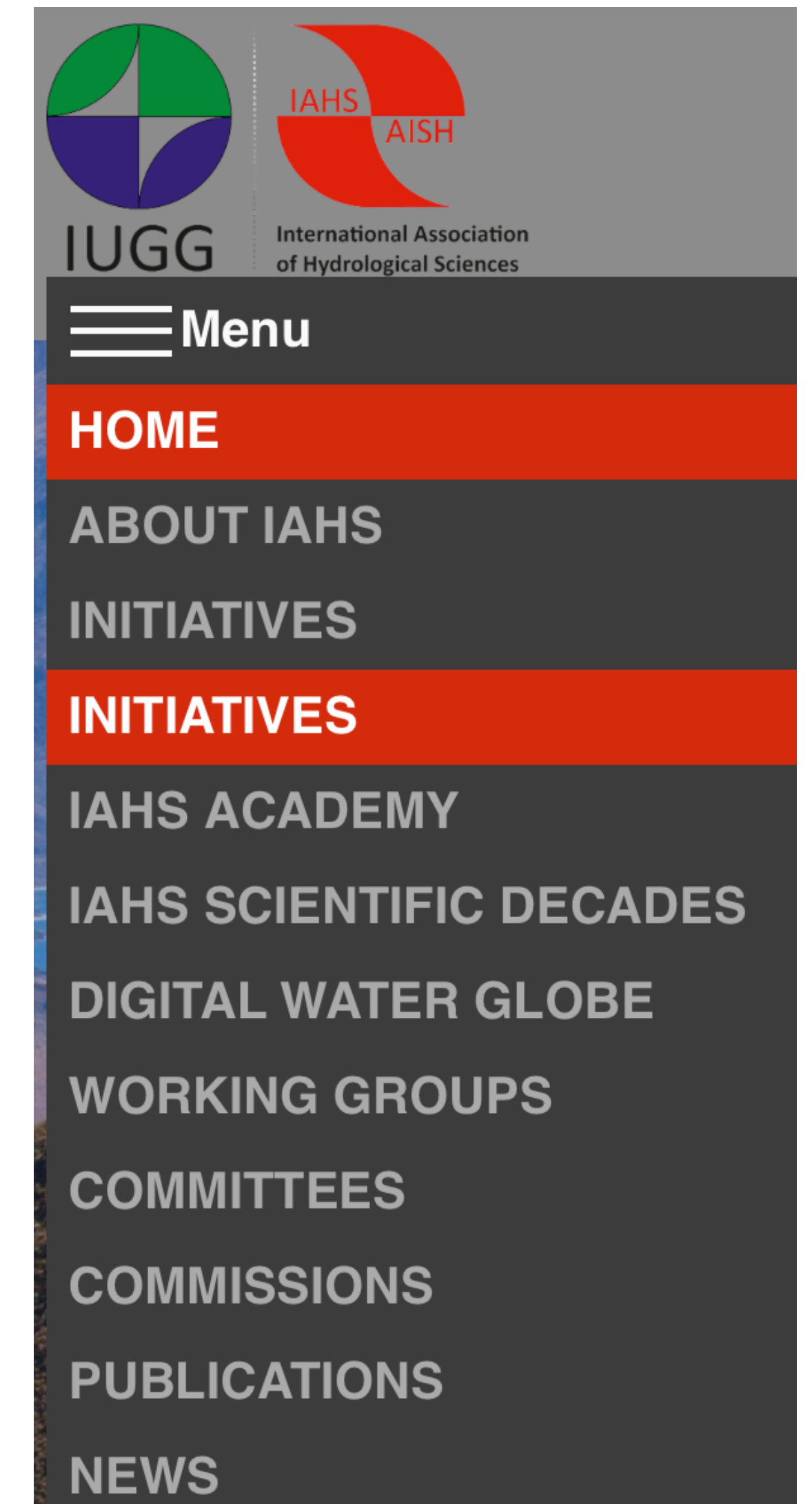
- Web-based software platform
- IAHS members share Case studies, Personal profiles, IAHS references and links to data repositories.
- Linked to a geographical position on a global map as well as keywords for quick search using filter functions.
- The DWG offers co-creation and re-examines the role of scientific outreach by exploring novel digital ways to interact between scientists and society for mutual understanding and co-evolution.



# The digital platform enables

- Graphic display of hydrological case studies from each continent, with community input.
- Overview of ongoing hydrological activities and scientific achievements.
- Opportunity for data sharing.
- Ability to link groups and foster scientific collaboration.
- Internal community building within and between IAHS Commissions and Working Groups.
- Engagement of and with partners, stakeholders, and citizens.
- Framework for displaying and linking projects involved in [Panta Rhei](#), [Unsolved Problems in Hydrology \(UPH\)](#), and [Science for solutions: Hydrology Engaging Local People IN one Global world \(HELPING\)](#) initiatives.
- Evolution and innovation over time to provide an on-going platform and archive.

<https://iahs.info/>



# IAHS DWG Associate Editors



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University,  
China**



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Research  
Institute for  
Sustainable  
Development,  
France**

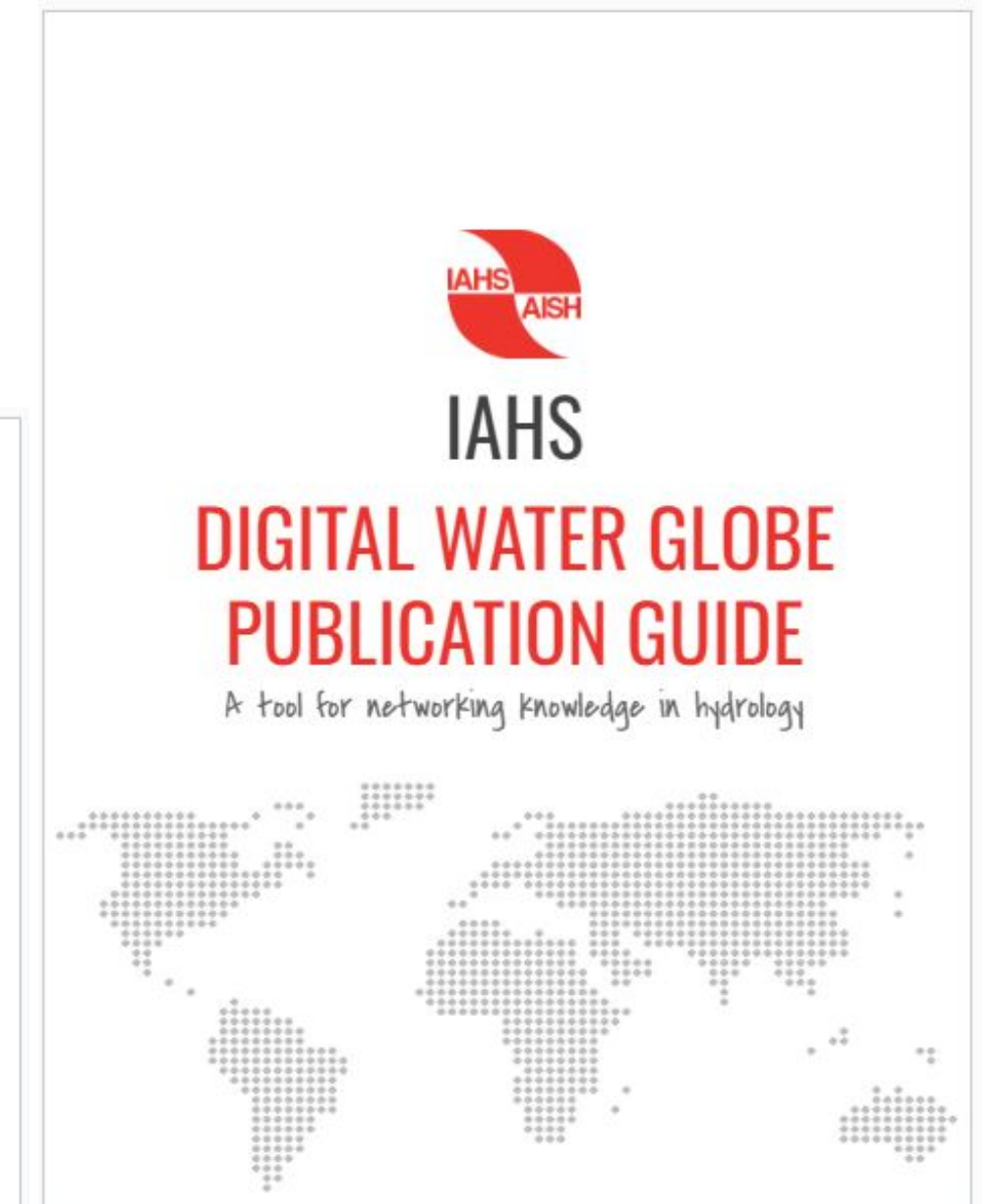
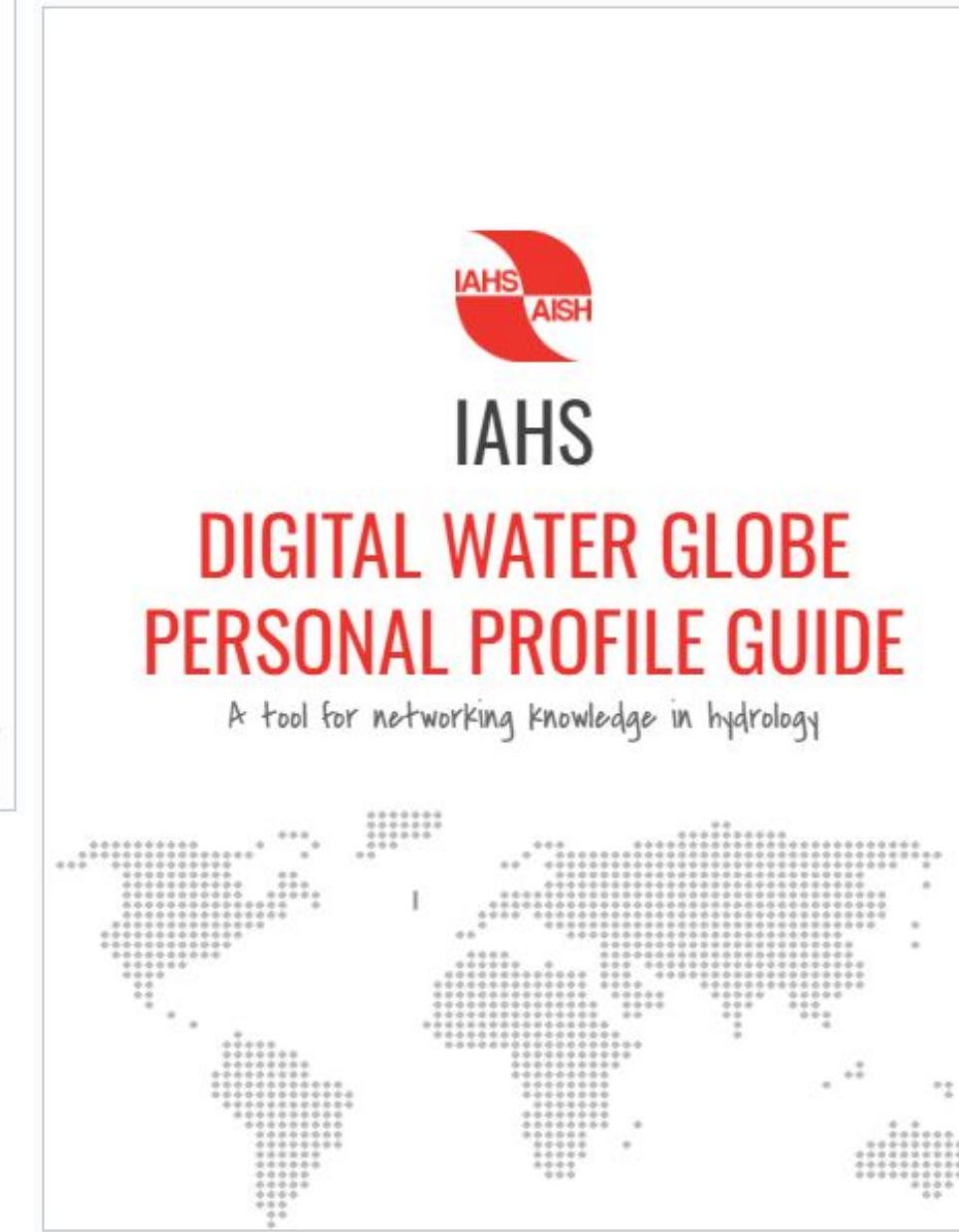
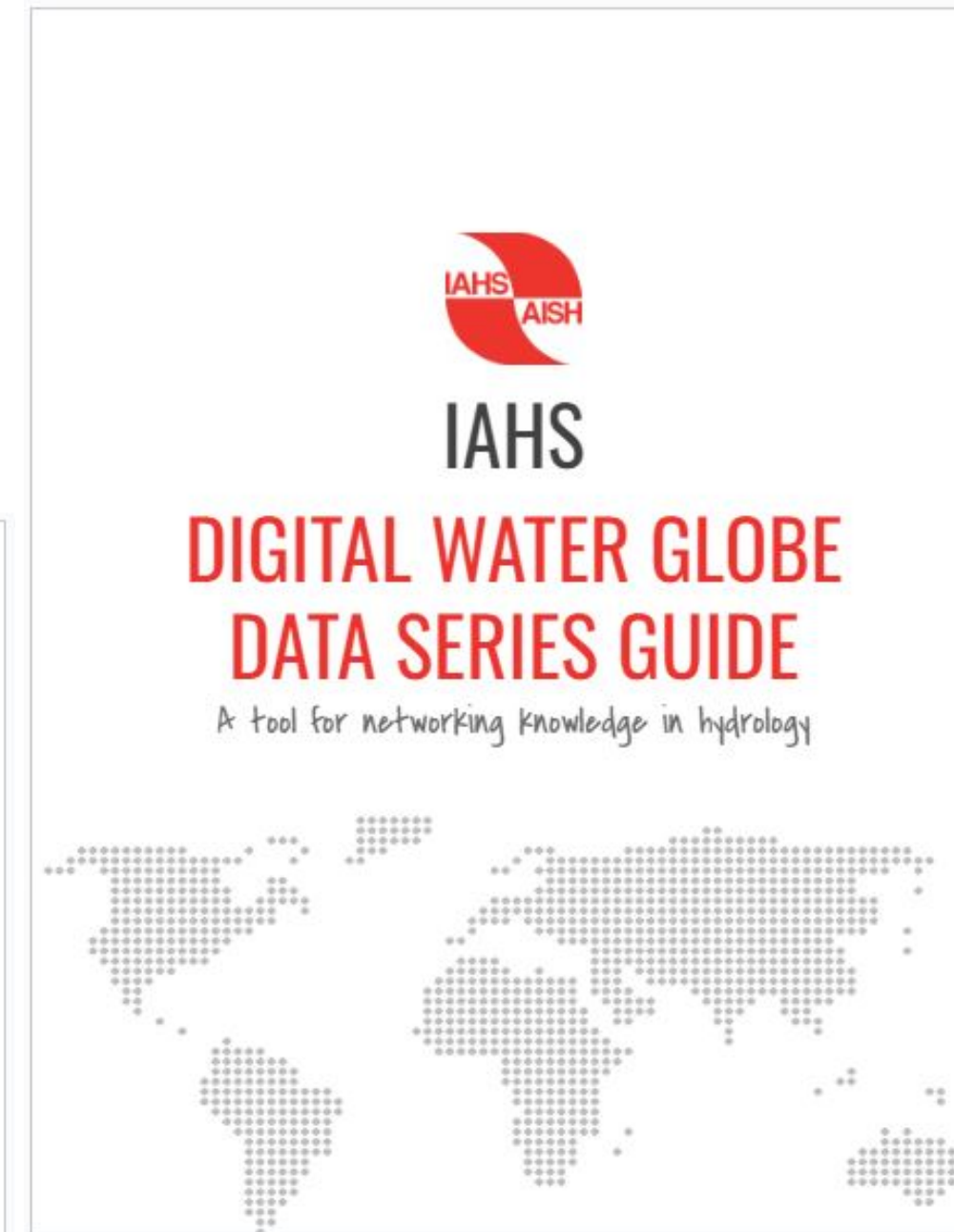
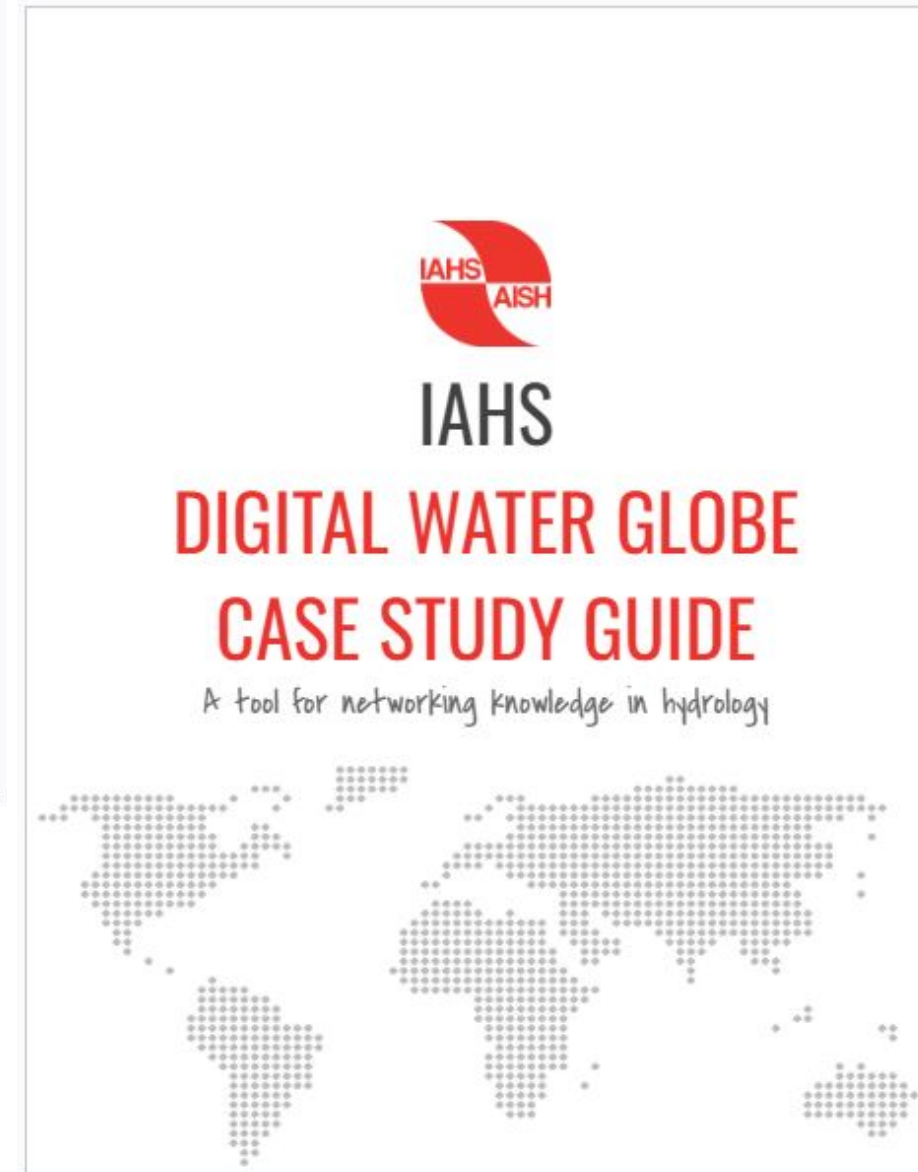
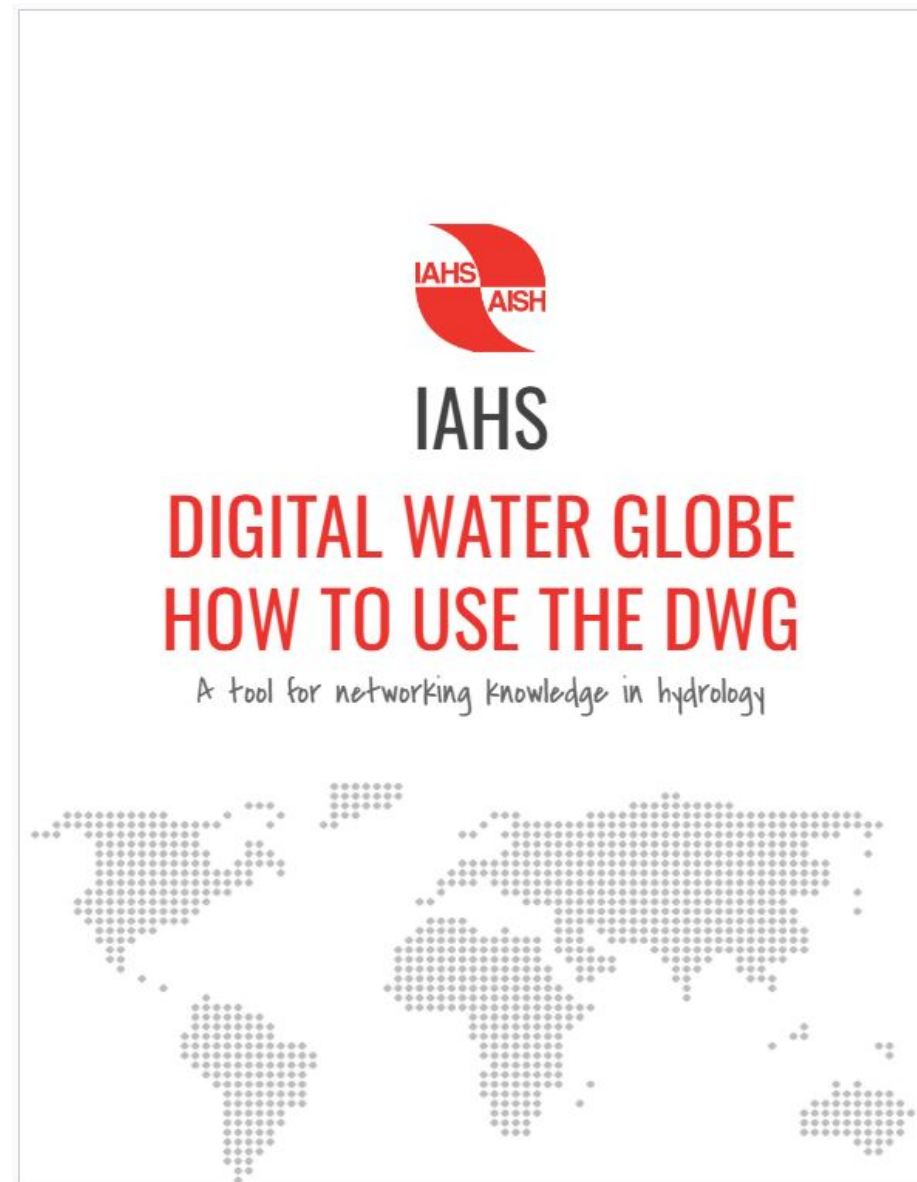


**Rim Ouachani,  
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**Santosh S.  
Palmate, Texas  
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USA**

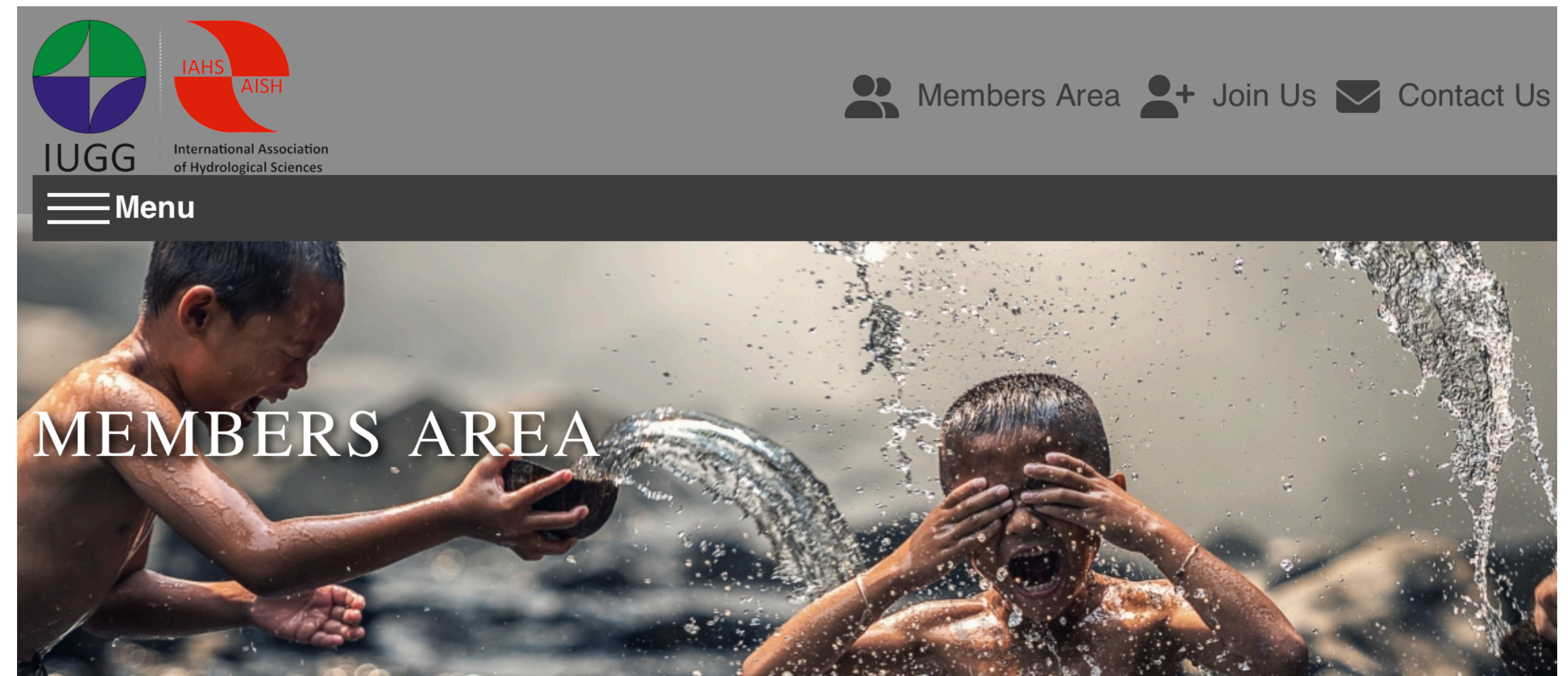
# DWG documentation online





# 1. Register (free) as a IAHS Member

<https://iahs.info/Members-Area/>

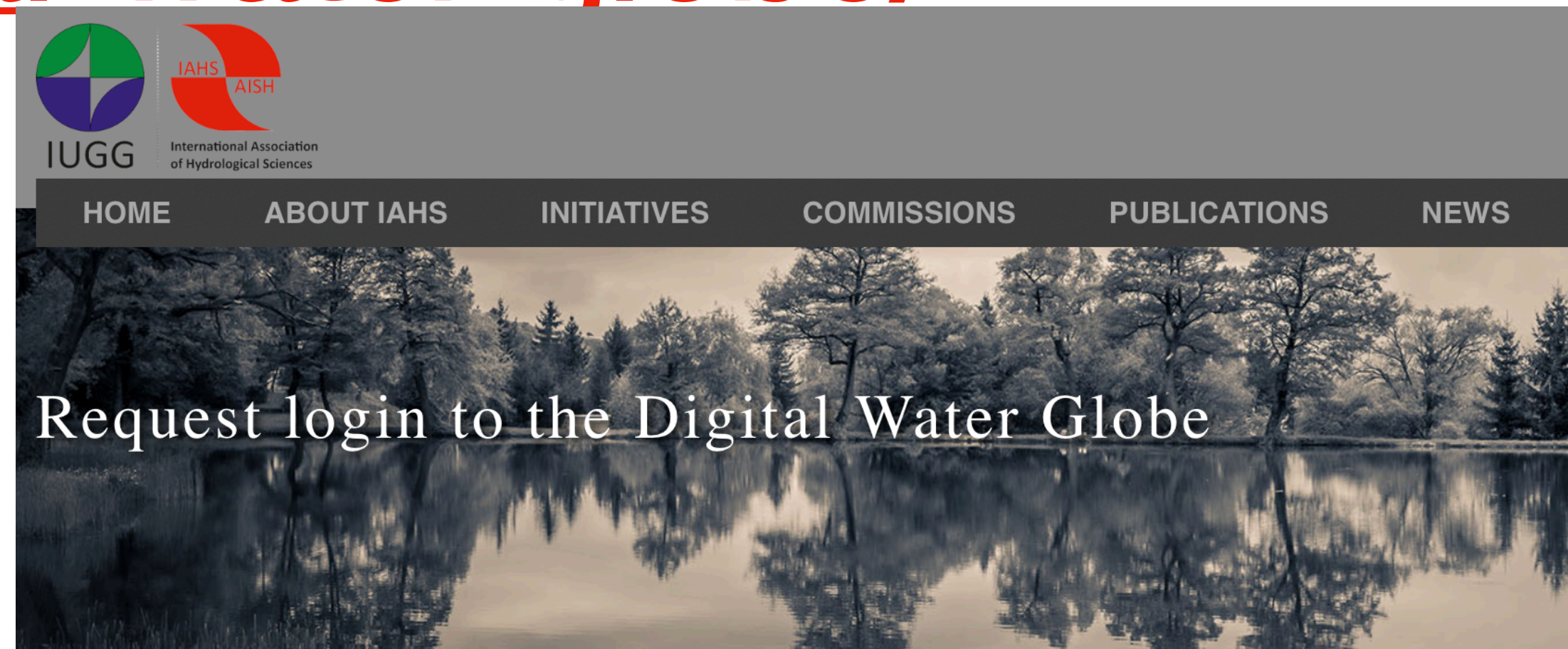


## Welcome to the IAHS Members Area

- Register
- Benefits for members from Disadvantaged Countries
- My Account
- Member discounts & access to Hydrological Sciences Journal & IAHS Publications
- Request Digital Water Globe Access

# 2. Request login (free) to the DWG

<https://iahs.info/Members-Area/request-login-to-the-digital-water-globe/>



To access this page you must login below

### Log in

The page you tried to access requires users to be logged in. Please fill in the form below to continue.

Email:

Password:

Log in

# 3. Start populating (free) the DWG

<https://dwg.smhi.se/dwg/>



# More on IAHS at the #EGU24

SPM83

[Near-term \(annual to decadal\) forecasts of water availability \(IAHS-HELPING-Theme 2 WG\)](#)

Convener: Kristian Förster

Mon, 15 Apr, 14:00–15:45 (CEST) Room 2.42

SPM33

[IAHS - HELPING Co-Creating Water Knowledge Working Group Meeting](#)

Convener: Giulio Castelli | Co-conveners: Wouter Buytaert, Natalie Ceperley

Tue, 16 Apr, 14:00–15:45 (CEST) Room 2.61

SPM34

[IAHS Drought in Mountain Regions Working Group](#)

Convener: Francesco Avanzi | Co-convener: Marit Van Tiel

Thu, 18 Apr, 12:45–13:45 (CEST) Room 2.42

HS1.3.1

[HELPING science for solutions decade](#)

Co-sponsored by IAHS

Convener: Christina Anna Orieschnig | Co-conveners: Berit Arheimer, Moctar Dembélé, Salvatore Grimaldi, Fuqiang Tian

Orals | Thu, 18 Apr, 14:00–15:45 (CEST) Room 2.31

Posters on site | Attendance Wed, 17 Apr, 10:45–12:30 (CEST) | Display Wed, 17 Apr, 08:30–12:30 Hall A

Posters virtual | Attendance Wed, 17 Apr, 14:00–15:45 (CEST) | Display Wed, 17 Apr, 08:30–18:00 vHall A

SPM129

[IAHS Science for Solutions decade: HELPING](#)

Convener: Berit Arheimer | Co-conveners: Justin Sheffield, Ana Mijic, Adeyemi Oludapo Olusola

Fri, 19 Apr, 10:45–12:30 (CEST) Room 2.43

EGU24-21088 | ECS | Orals | HS1.3.1 | Highlight

[On promoting education and community adaptation in Global South's studies populating the Digital Water Globe: the DREAMS project for the HELPING Science Decade](#)

D. Taffarello, D. Bressiani, A. Nardocci, S. Dias, D. M. L. Marchioni, S. G. Montenegro, M. R. Benso, G. M. Silva, V. A. F. Costa, N. Nascimento, W. S. Fernandes, J. A. Marengo, J. Anache, E. M. Mendiondo

Thu, 18 Apr, 14:55–15:05 (CEST) Room 2.31

SPM32

[Drought in the Anthropocene research network meeting](#)

Convener: Marthe Wens

Tue, 16 Apr, 12:45–13:45 (CEST) Room 2.43



# More on IAHS at the #EGU24 (cont.)

EGU24-4773 | ECS | Orals | HS1.3.1 | Highlight

**HELPING: Co-creating and communicating water solutions in a globally changing world**

Adeyemi Olusola, Giulio Castelli, and Natalie Ceperley

Thu, 18 Apr, 14:35–14:45 (CEST) Room 2.31

EGU24-5911 | ECS | Orals | HS1.3.1 | Highlight

**REHYDRATE - an international HELPING working group to REtrieve historical HYDRologic dATa and Estimates**

Miriam Bertola and Paola Mazzoglio and the HELPING REHYDRATE Working Group

Thu, 18 Apr, 15:05–15:15 (CEST) Room 2.31

EGU24-14824 | Posters on site | HS1.3.1 | Highlight

**Setting up the new Scientific Decade of IAHS: Science for Solutions with HELPING**

Berit Arheimer, Christophe Cudennec, Salvatore Grimaldi, and Günter Blöschl

Wed, 17 Apr, 10:45–12:30 (CEST) Hall A | A.2

EGU24-22254 | Orals | HS1.3.1

**Overview of the Theme 2 of IAHS HELPING: Holistic Solutions for Water Security**

Ana Mijic, Claudia Teutschbein, David Finger, Junguo Liu, Kristian Foerster, Marthe Wens, Nejc Bezak, Santosh Palmate, Shiv Nishad, and Stefan Krause

Thu, 18 Apr, 14:25–14:35 (CEST) Room 2.31

EGU24-19045 | Posters on site | HS1.3.1 | Highlight

**(Science) Communication is Key - Analysing and Adapting Outreach Approaches and Internal Workflows to Support HELPING as a Major International Scientific Initiative**

Tarryn Payne and Christina Orieschnig

Wed, 17 Apr, 10:45–12:30 (CEST) Hall A | A.3

SPM136

**Community Paper Workshop on (Science) Communication in HELPING**

Convener: Christina Orieschnig, Soham Adla, Tarryn Payne

Fr: 19 Apr. 08:30-10:15 (CEST) Room 2.96





# Thanks

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