

Dear Ladies and Gentlemen, dear MAR family, good morning!

Attached some MAR-related news for 2022 April.

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IAH-MAR Commission's sister sites:

11st International Symposium on Managed Aquifer Recharge, ISMAR 11. GREAT SUCCESS!!!

From 2022 April 11th to 15th has taken place in Long Beach, Hilton Hotel, the 11th International Symposium on Managed Aquifer Recharge (ISMAR 11), hosted by GRA and co-hosted by AHS and OCWD; under the auspices of the International Association of Hydrogeologists (IAH), UNESCO and ASCE, among others, under the title: ***“Managed aquifer recharge: A key to sustainability”***.

The symposium counted on 350 delegates from 27 countries, and has had 26 technical sessions, 123 oral presentations, 7 posters, 2 keynote presentations, side events, three first day short courses, two technical field trips, one after-conference course, and plenty of knowledge. Detailed info is provided at <http://ismar11.net>



ISMAR 11 website: <https://www.ismar11.net/>
GRA event page: <https://www.grac.org/events/272/>

Further information and technical/scientific releases from the conference will be posted shortly.

Pls, keep an eye on ismar11.net site.



IAH-MAR Commission co-chairs want to express their gratitude to ISMAR 11 organizers for such an outstanding event. **THANK YOU VERY MUCH!!!**



IAH-MAR Commission plenary during ISMAR 11. Re-election of the co-chairs.

The last plenary has taken place in long Beach, Hilton hotel, last April 13th, 17 h. 54 in-person members of the MAR family were congregated according to the program exposed in the previous newsletter, and an undefined number of participants in streaming.

It is worth to remark that the current co-chairs have been re-elected for the next “inter-ISMARs period”. The IAH Executive received neither more candidacies nor expressions of interest, therefore elections were not necessary, and the current co-chairs have been re-elected by the complete plenary.

The co-chairs want to express gratitude for the confidence, and begin a new three-year mandate. The next elections will take place during ISMAR 12’s plenary by 2025 April 30th.

Re-elected co-chairs (from left to right):
Catalin Stefan
Technische Universität Dresden, Germany
catalin.stefan@tu-dresden.de

Yan Zheng
Southern University of Science and Technology, Shenzhen,
China
yan.zheng@sustech.edu.cn

Enrique Fernández Escalante
Tragsa Group, Madrid, Spain
efernan6@tragsa.es



Therefore, for the new term 2022 – 2025, all three existing co-chairs stand for a new mandate, expressing their commitment to continue their joint efforts in promoting MAR internationally and to coordinate the activities of the Commission. A short summary from each can be found [here](#).

The plenary had live streaming for the whole MAR community.



IAH-MAR Commission plenary during ISMAR 11

ISMAR 12 hosting city...

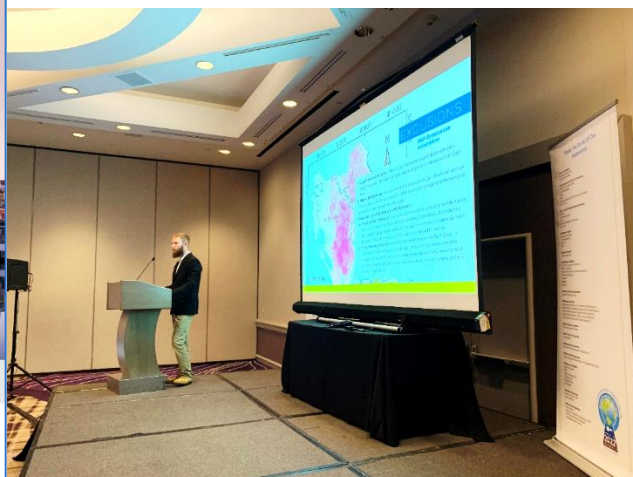
Finally, the hosting city for ISMAR 12 has been revealed. The future organizers have provided a tentative data too. So, save the date...

ISMAR 12 will take place in Cape Town, South Africa, between 2025 April 28th and May 2nd.

Kess Murray invited the whole Community to attend the future ISMAR 12 conference, with huge and amazing expectations and activities accompanying the technical and the scientific components of the congress.

The official bid has recently been submitted.

Receive our gratitude Mr. Matthys Dippenaar, ISMAR 12 chair, Mr. Julian Conrad, Secretary, leaders of the organizing committee; accompanied by a strong team, such as Mr. Kess Murray, Corne Engelbrecht... We thank all of them.



Dr. Peter Dillon has been awarded with the German Bouwer trophy

Our dear and admired former co-chair, founder of the IAH-MAR Commission and soul of this group, received the German Bouwer Award last April 11th during ISMAR 11 luncheon. **CONGRATULATIONS PETER!!!**



IAH-MAR Commission. ISMAR 11's Certificates of appreciation

During ISMAR 11 plenary, five new certificates of appreciation were awarded to prominent members of the Community, who have carried out tasks deserving this recognition.

It is a motivation tradition, and with these, 22 members of the MAR family count on an award, signed by our IAH President, Dr. David Kremer, and our IAH General Secretary, Dr. Jane Dottridge.

The prizes were recognized in person by our IAH President and IAH-MAR co-chairs represented by Dr. Enrique Fdez. Escalante.

Texts of the Diplomas: The International Association of Hydrogeologists wishes to record its appreciation of the exceptional services given to advance the objectives of its Commission for Managing Aquifer Recharge by:

Adam Hutchinson

Robert Bower

and the ISMAR 11 organizing team.

Adam initiated and chaired the ISMAR 11 symposium in California in 2022 and fostered the USA network on MAR.

Robert has been for 30 years a source of innovation and implementation of MAR and groundwater processes.

Peter Dillon

Peter has been a true inspiration for many generations and the soul of the IAH-MAR Commission. His contribution to the MAR Community is out of ranks.

Thomas Grischek

Thomas dedicated almost his entire career to the development of riverbank filtration schemes and their implementation at many locations worldwide.

Sharon Megdal

Sharon has co-edited and provided significant contributions to several special issues arising from ISMAR symposia, and she is a champion in developing MAR policy and governance.

Karen G. Villholth

Karen is a global MAR activist committed and devoted to capacity building, transboundary governance and accelerating the wise application of MAR in Africa and elsewhere.

Awarded at ISMAR11, Long Beach, California, 2022 April 12th by...

CONGRATULATIONS, DEAR COLLEAGUES!!!

NEW MAR OR MAR-RELATED PUBLICATIONS

Managed Aquifer Recharge. A key to sustainability. Journal Water special issue. Call for papers!!

Authors not attending ISMAR 11 are invited to participate.

Awarded at ISMAR11, Long Beach, California, 2022 April 12th by

Selected papers on MAR, specially presented at ISMAR 11 will be published in a Special Issue of the open-access journal WATER, continuing the tradition from previous symposia, including ISMAR 10.

Submission is open for all ISMAR 11 participants, as well as all members of the international MAR community. **EVERYONE IS INVITED TO PARTICIPATE!**

The title of the special issue is: "Managed Aquifer Recharge: A key to Sustainability" and the included papers will be available in electronic format and as part of a printed book.

Some vouchers or discounts on article processing charges (APCs) are available. IAH MAR co-chairs and co-editors have proposed the formula of sharing APCs for ISMAR 11 attendants, applying the 50% discount for all participants, unless justified exceptions.

The Special Issue is already open for contributions. For more details visit:
https://www.mdpi.com/journal/water/special_issues/Aquifer_Recharge.

Guest editors:

Enrique Fernandez Escalante (Spain)

Catalin Stefan (Germany)

Christopher J. Brown (USA)

June Mirecki (USA)

Special Issue "Managed Aquifer Recharge: A key to Sustainability"

- Print Special Issue Flyer
- Special Issue Editors
- Special Issue Information
- Keywords
- Published Papers

A special issue of *Water* (ISSN 2073-4441). This special issue belongs to the section "Water Resources Management, Policy and Governance".

Deadline for manuscript submissions: 18 September 2022.

Share This Special Issue

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Special Issue Editors


Dr. Enrique Fernández Escalante [E-Mail](#) [Website](#) [SciProfiles](#)

Guest Editor

Tropas R&D, UPM Lecturer, VIB Consultant, Co-Chair IAH MAR Commission, Madrid, Spain

Interests: IVRM, hydrogeology; technical solutions for water management; design and construction criteria

Special Issues, Collections and Topics in MDPI journals




Dr. Catalin Stefan [E-Mail](#) [Website](#) [SciProfiles](#)

Guest Editor

Research Group INOVAS, Department of Hydrosociences, Technische Universität Dresden, 01069 Dresden, Germany

Interests: soil aquifer treatment (SAT), managed aquifer recharge (MAR)




Dr. Christopher J. Brown [E-Mail](#) [Website](#)

Guest Editor

School of Engineering, University of North Florida, Jacksonville, FL, USA

Interests: groundwater hydrology; surface water hydraulics; geotechnical engineering; dam safety




Dr. June Mirecki [E-Mail](#) [Website](#)

Guest Editor

U.S. Army Corps of Engineers-Jacksonville District, Jacksonville, FL, USA

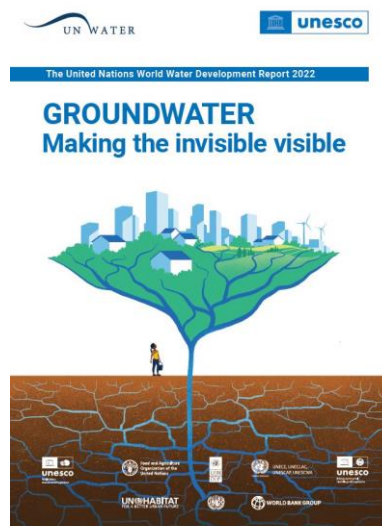
Interests: groundwater geochemistry; geochemical modeling; groundwater quality; water-rock interactions





Celebration of World Water Day 2022. Final UNESCO publication. Groundwater. Making the invisible visible

A collective effort on groundwater issues has recently been published. Many members of the community have participated in this outstanding book.



The United Nations World Water Development Report 2022.
Published in 2022 by the United Nations Educational, Scientific and Cultural Organization, 7, place de Fontenoy, 75352 Paris 07 SP, France © UNESCO 2022.
This report is published by UNESCO on behalf of UN-Water. The list of UN-Water Members and Partners can be found on the following website: www.unwater.org.
ISBN 978-92-3-100507-7

Download the full publication:
<https://unesdoc.unesco.org/ark:/48223/pf0000380721>

The Groundwater Project publications

The mission of The Groundwater Project is to provide accessible, engaging, high-quality, educational materials, free-of-charge online in many languages, to all who want to learn about groundwater and understand how groundwater relates to and sustains ecological systems and humanity. Our current effort is focused on producing online books that have undergone rigorous reviews and editing.



Available soon for free download via The Groundwater Project initiated by John Cherry. <https://gw-project.org/>.

Dillon, P., W. Alley, Y. Zheng, and J. Vanderzalm (editors), in press, Managed Aquifer Recharge: Overview and Governance. The Groundwater Project, Guelph, Ontario, Canada.

SOME MAR-RELATED PUBLICATIONS OF THIS SERIES:



More info: <http://groundwatercop.iwlearn.net/>

MAR-related conferences and seminars


A California-European Union-Australia Workshop. SGMA Implementation, Economic Issues, Water-Energy-Food Nexus: Comparison and Lessons Learned from European Union and Australia

The web link below activated in April 2022 is a record of the Proceedings of a web workshop held on 8-9 November 2021, organized by Prof Jean Fried, University of California, Irvine.

The workshop addressed groundwater scarcity questions from a variety of perspectives, with one session directly related to MAR.

Groundwater management policy principles in Australia - quantity, quality & MAR
The powerpoints for this are in item 6 and the written answers to questions in item 7.

Other presentations could also be of interest to IAH-MAR newsletter recipients.



2021 California-EU-Australia Workshop

November, 2021 – A California-European Union-Australia Workshop on SGMA Implementation, Economic Issues, Water-Energy-Food Nexus: Comparison and Lessons Learned from European Union and Australia

Although the adoption of SGMA is considered as a positive development in the management of groundwater, its implementation is not always as effective as it should be, and gaps may exist between the law as it has been conceived and written and the reality of its implementation. Major issues of concern are inadequate legislation with possible governance gaps; budgetary constraints as some local government organizations may have difficulty in accommodating SGMA technical requirements; economic aspects as significant investments in adequate infrastructure development for groundwater management are needed, as well as technical advice and help with building organizational expertise; public participation with a more transparent approach and equitable water management; groundwater resilience, especially related to climate change; and conflict resolution between stakeholders.

A workshop will be held on-line on November 8 and 9, 2021, with the objective of checking the status of SGMA implementation and helping find practical answers to the major issues of concern. It will gather experts from the European Union and Australia during a day and a half to explore alternative solutions experienced in these countries and compare to the California situation. The European Union has adopted the 2000 Water Framework Directive and the 2006 Groundwater Directive whose implementations are facing similar problems as the implementation of California 2014 SGMA, while Australia, facing severe drought issues, has developed innovative methods to better managing its water resources and dealing with overdraft and overuse of groundwater, such as conjunctive use of ground and surface water, managed aquifer recharge, groundwater trading and banking, as well as economic instruments for the pricing of groundwater and its value.

[LEARN MORE](#)

More info: <https://sites.uci.edu/wateruci-dev/academic-workshops/>

Thank you Dr. Dillon for the full report.

49th IAH Congress. Wuhan, China. 2022 September 18th to 23th

The 49th IAH Congress will be in Wuhan, China from September 18-23th, 2022.

The IAH (International Association of Hydrogeologists) Congress bring the hydrogeological community together to share ideas, experiences and latest advancements in this field as well as supporting, training and encouraging early career colleagues.

The health and safety of our community is our highest priority. Considering the serious and complicated COVID-19 pandemic status and current quarantine restrictions, the Organizing Committee of the IAH 2022 have to determine that the meeting will be held in hybrid mode to take advantage of the best of both in-person and virtual formats.



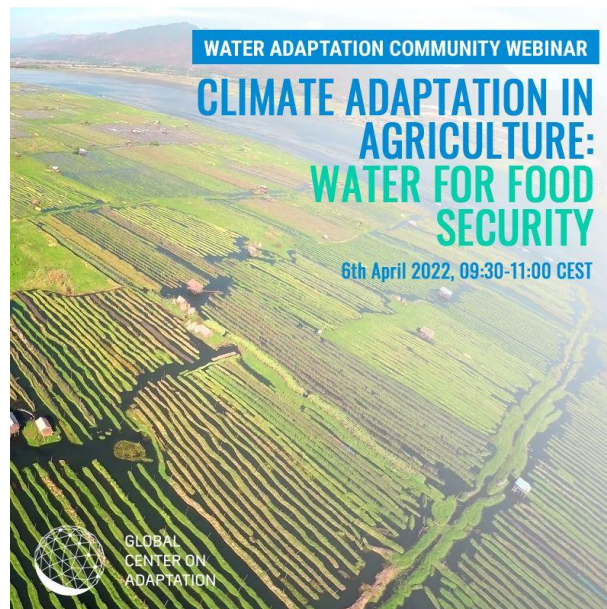
More details on the IAH 2022 website: <https://www.iah2022.com/>

Session 15: Managed Aquifer Recharge. Please, get ready for submissions.

How can agriculture activities contribute to climate resilience and adaptation

How can agriculture activities contribute to climate resilience and adaptation, with a focus on water-related risks such as floods and droughts? Learn more at our webinar on "Climate Adaptation in Agriculture: Water for Food Security."

6 April, 9:30-11:00 CEST



Learn more and register:

<https://lnkd.in/diZ4q9Wp>

Catch the livestream here on LinkedIn:

<https://lnkd.in/dAPkxWgc>

Thank you Dr. Karen Villholth for reporting.

<https://www.linkedin.com/feed/update/urn:li:activity:6916500230423126016/>

NEW MAR OR MAR-RELATED ACTIVITIES. 2022 WWD SELECTION

Enhancing groundwater knowledge across the GEF IW portfolio

GROUNDWATER IN THE GEF AND COOPERATION WITH UNESCO-IHP

Since 1999 efforts have been made in the IW Focal Area to fill a major gap in GEF portfolio relative to groundwater and aquifers. During the early 2000's, the GEF Secretariat and the GEF Implementing Agencies have been working cooperatively to analyse opportunities for projects that would promote a new approach to groundwater management, better integrated with land use planning, ecosystems protection and basin management. Thanks to this cooperation a number of highly representative projects have entered the GEF portfolio, and the GEF has come to the forefront as the leading funding institution in the field of transboundary groundwater.

In 2003 the Scientific and Technical Advisory Panel (STAP), in dialogue with the GEF Secretariat, identified groundwater as a priority for its 2003-5 Work Program. This has led to the establishment of a highly successful cooperation with UNESCO's International Hydrological Program (IHP) and its global long-term initiative to promote assessments and scientific collaboration on transboundary aquifers – the International Shared Aquifer Resources Management Initiative (ISARM). STAP urged GEF to catalyze the integration of groundwater issues into the global dialogue on water and to encourage the efforts, led by United Nations International Law Commission (UNILC) and UNESCO-IHP, to promote the implementation of the UNGA Resolutions on the 'Law of Transboundary Aquifers' and their annexed Draft Articles.

As a consequence of this sustained effort, the Recommendations of the Fifth Replenishment of the GEF Trust Fund included a special focus on, and a specific mention of groundwater as part of the first Strategic Objective of the International Waters focal area.

This growing realization of the critical role of groundwater in sustaining human development and ecosystems has led to the inclusion in the third phase of IW LEARN of a substantial effort to strengthen groundwater consideration in the GEF IW portfolio of projects.



ENHANCING GROUNDWATER KNOWLEDGE ACROSS THE GEF IW PORTFOLIO

COOPERATION IN ACTION

The UN General Assembly declared 2013 the International Year of Water Cooperation (led by UNESCO on behalf of UN-Water) and 2014 as the International Year of Small Island Developing States (SIDS) – to put a spotlight on the special needs of island nations.

Transboundary waters and fragile ecosystems are at the heart of the messages promoted by these two global celebrations – as international cooperation, in particular about transboundary aquifers, is essential to achieve the sustainable, peaceful and integrated management of water resources (groundwater, marine and fresh surface waters) and to ensure water security for all.

The activities carried out by UNESCO-IHP in the framework of the IW:LEARN Project are inscribed among the contributing events to the International Year of Water Cooperation (2013) and the International Year of SIDS (2014).

CONTACTS:
Mrs Lucilla Minelli, UNESCO-IHP (l.minelli@unesco.org)
Ms Kirstin Conti, IGRAC (kirstin.conti@un-igrac.org)



More info:

www.menarid.icarda.org

www.groundwatercop.iwlearn.net

EU-China Groundwater Management Webinar to be held as 2 sessions on 17th May and 19th May

The webinar shall identify key issues in Groundwater Management in the EU and China and we shall ask participants to help selecting key issues from our 3 groundwater semi/webinars to be “upgraded” as our policy recommendations. *** The key issues identified in the water quantity and quality semi/webinars are attached for your inspiration.

On Day 1 we address major groundwater challenges in the EU, China and globally, including a report on the United Nations World Water Development Report 2022.

Groundwater - making the invisible visible, while on Day 2 we report on achievement of the PI RURAL Project.

Kindly register [HERE](#), where you at all times may find updates of the attached program and other relevant information on the PI RURAL Webinars.
Both days 08:30 - 11:30 CET = 14:30 - 17:30 Chinese Time.



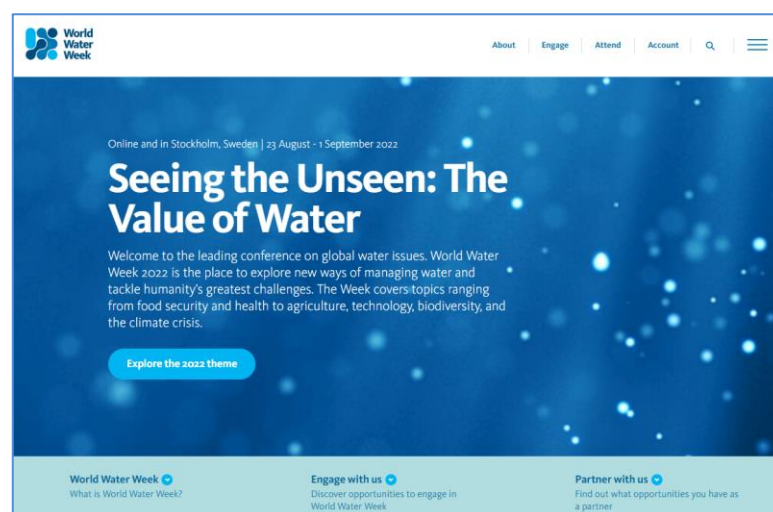
Full link: <https://gooddeed.dk/get-program-for-sustainable-groundwater-management>

Thank you Dr. Lars Skov Andersen for reporting.

2022 World Water Week in Stockholm, Aug 23 - Sept 1

In-Person & Hybrid Session: Valuing Groundwater

At least, two abstracts on MAR accepted



More info: <https://www.worldwaterweek.org/>

More actions

Whatsapp group on Aquifer Recharge Management

Since the previous QR code to join the group was changed, the appearance of trolls has been zero. This is the new link to join the group:

<https://chat.whatsapp.com/BxYZq7wERpc7nDeTRIYN63>

Previous IAH-MAR Newsletters

Please, remember that you can access the previous newsletters in our website:

<https://recharge.iah.org/newsletters>

That's all by now... please, keep reporting (dinamar@tragsa.es).

Thank you very much for your kind attention
All the best...

Dr. Enrique Fernández Escalante of behalf of the IAH MAR Commission co-chairs,
Catalin Stefan and Yan Zheng.

2022 April 27th

Please, remember you can book freely in the IAH MAR Commission Forum:
<https://lists.flinders.edu.au/mailman/listinfo/iah-mar.listcqs>
to stay informed on MAR issues and to share your info.

IAH-MAR Commission on Twitter:



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<https://twitter.com/IAHMARCom>

IAH-MAR Commission's sister Web sites:

<http://china-mar.ujn.edu.cn/>



<https://dinamar.tragsa.es/>



@4dina_mar