

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

Please, have a look on these MAR news for 2023 March

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NEW MAR PUBLICATIONS

11st International Symposium on Managed Aquifer Recharge. Materials

Videos and slides of the presentations (GRAC Website):

https://www.grac.org/ismar-speaker-presentations/

ISMAR 11 program https://recharge.iah.org/files/2022/08/ISMAR-Draft-Program.pdf ISMAR-11 onsite-guide https://recharge.iah.org/files/2022/08/ISMAR-11-onsite-guide_c.pdf ISMAR 11 abstract book (160 pg) https://recharge.iah.org/files/2022/09/ISMAR11abstracts-book.pdf

ISMAR 11 presentations and videos (external link) https://www.grac.org/ismarspeaker-presentations/

P-ISMAR 11 mini-book (external link to DINAMAR, IAH-MAR's sister site) https://dinamar.tragsa.es/file.axd?file=/PDFS/P-ISMAR-11.pdf ISMAR-11 field trips https://recharge.iah.org/files/2022/08/ISMAR-11-Field-Trips2.pdf

Managed Aquifer Recharge. A key to sustainability. Journal Water special issue. Deadline almost here!

Selected papers on MAR, specially presented at ISMAR 11, are published in this Special Issue of the open-access Journal WATER.

EVERYONE IS INVITED TO SUBMIT! Despite the official deadline is over, editors still accept papers. *Publishing cost: 50% of APCs, as exposed in the website.*

Seven papers have been published by now, and some others coming... 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)



IAH-MAR Commission. Memory of activities 2022 submitted to IAH.

IAH-MAR co-chairs have submitted very recently the summary of the activities conducted by the Commission during 2022. Dr. Marco Petitta, our Vice President for West and Central Europe, on behalf of IAH, has responded our submission in these terms:

"thanks a lot for your impressive work. We know very well that your Commission is one of the more active..."



International Association of Hydrogeologists Commission on Managing Aquifer Recharge		Yan Zheng (China) Email: <u>yan.zheng@sustech.edu.cn</u>
	International Association of Hydrogeologists the World-wide Groundwater Organisation	Website <u>https://recharge.iah.org/</u>
	IAH Commission on Managing Aquifer Recharge	Sister Websites: Spanish: <u>https://dinamar.tragsa.es</u>
IAH-MAR REPORT OF ACTIVITIES 2022		Chinese: <u>http://china-mar.ujn.edu.cn/</u>
CO-CHAIRS		
Enrique Fernández Escalante (Spain) Email: <u>efernan6@tragsa.es</u>		
Catalin Stefan (Germany) Email: <u>catalin stefan@tu-dresden.de</u>		

The summary is only a selection and it does not include the numerous activities resulted from different projects on managed aquifer recharge such as project-related workshops, training courses, field trips etc. For a much more detailed report of MAR-related activities, see the series of newsletters of the IAH-MAR Commission: <u>https://recharge.iah.org/newsletters</u>. The summary is available in our site: www.recharge.iah.org

Thank you very much Marco and IAH Board for encouraging MAR and the activity that we all carry out...

NEW MAR-RELATED PUBLICATIONS

IWRA's Policy Brief on Water Security

IWRA has just published a Policy Brief on Water Security: The Sound of Groundwater Management and Governance.





Book Access: https://www.iwra.org/iwra-policy-brief-no-23/

Hydrogeology 101. Introduction to Groundwater science and engineering. By Neven Kresic

A new book on general hydrogeology with special attention paid on karst systems. Despite it has not been written by "MARers", it includes accurate MAR developments.



Download freely:

https://www.un-igrac.org/sites/default/files/resources/files/Kresic_Hydrogeology%20101_corrected.pdf

MAR CONFERENCES

NGWA MAR conference.

Managed Aquifer Recharge: Unleashing Resiliency, Protecting Groundwater Quality (conference #5029)

NGWA The Groundwater Association

Date: April 24-25, 2023 Location: San Antonio, Texas





More info: https://www.ngwa.org/detail/event/2023/04/24/default-calendar/23apr5029

MAR-RELATED CONFERENCES AND SEMINARS

UNESCO-IWRA conference: Emerging Pollutants: Protecting Water Quality for the Health of People and the Environment. 2023 January 17th – 19th. RESULTS

The International Water Resources Association (IWRA), in partnership with UNESCO-IHP, organized the UNESCO-IWRA Online Conference on "Emerging Pollutants: Protecting Water Quality for the Health of People and the Environment".

The presentations and proceedings of the sessions are available here.

More info and results: https://iwraonlineconference.org/ <u>https://iwraonlineconference.org/recordings-23/</u> Some MAR presentations were interspersed in sessions 2 and 4, Emerging pollutants and Groundwater: <u>https://iwraonlineconference.org/recordings-23/</u>





UN 2023 water Conference. 22 to 24 March 2023

Conference on the Midterm Comprehensive Review of the Implementation of the Objectives of the International Decade for Action, "Water for Sustainable Development", 2018–2028 from **22 to 24 March 2023** at the United Nations Headquarters in New York.



More info: https://sdgs.un.org/conferences/water2023

VII Congreso colombiano de hidrogeología. Medellín, Colombia, 20 to 24 March 2023

On going the 7th Colombian groundwater conference.





Dr. Niels Hartog (KWR) has imparted a first day course: Sustainable water supply using managed aquifer recharge (MAR): potential, performance and pitfalls.

Several presentations on MAR are announced in the program, but not an specific session has been organized in this occasion.

2023 SGMA Implementation Summit and Workshop. Wed, Jun. 7 - Thu, Jun. 8, 2023, Los Angeles.

The 2023 SGMA Implementation Summit and Workshop has opened. Registration. https://lnkd.in/gnU9Y-3A

This program is brought to you through a partnership with the <u>Association of California Water</u> <u>Agencies</u> and the event will be held at the beautiful <u>Kimpton Sawyer Hotel</u> in Downtown Sacramento.



Learn more about it in our Winter Edition of HydroVisions found here: <u>https://lnkd.in/gsgW9yH9</u>

For more information of if interested in participating/providing input/leading a conversation, reach out to: <u>Lisa Porta, P.E.</u> or <u>Adam Hutchinson, PG, CHG</u>



50th IAH congress. Cape Town, South Africa. September 18th to 22th

Under the title "Groundwater: A Matter of Scale" the next IAH Congress will take place in Cape Town, South Africa. Abstracts can be submitted until March 31st

IAH MAR Commission co-chairs by the moment have not organized a plenary because of doubt about their attendance. Please, in case any IAH-MAR member may host a MAR meeting, that would be really appreciated. Contact co-chairs in case you fancy doing that! We'll support you.



More info: https://iah2023.org.za/

This city will also host our tri-annual meeting ISMAR 12 in 2025. Good luck for the organizers!!

5 International Summer School on Managed Aquifer Recharge, MARISS, from 3 July to 14 July 2023

The next and last free-of-charge summer school, MARISS 2023, will take place from 3 July to 14 July 2023. The deadline for registration is 28 February 2023.

Organizers would appreciate it if you could inform your colleagues, friends, and co-workers about this.





More info:

https://www.htw-dresden.de/en/university/faculties/civil-engineering/studies/subjectareas/water-sciences/research/planned-research-topics

XVIII World Water Congress. 11–15 September 2023. Beijing. Call for abstracts still open

IWRA's <u>XVIII World Water Congress</u> (11–15 September 2023), taking place in Beijing, People's Republic of China, is just over seven months away!

Under the overarching theme on "Water for All: Harmony between Humans and Nature", the XVIII World Water Congress will focus on promoting the coordination and balance between the water needs of humans and nature.

We invite you to read the <u>Second Announcement brochure</u> to find out more about the upcoming XVIII World Water Congress, including the benefits of attending, key milestones on the road to Beijing, the High-Level Panels, themes and sub-themes, information on the call for abstracts, special sessions, and side events, as well as key dates to keep in mind, the tentative programme, registration fees, and the latest news about travelling to China...





SEMINARS

The Resilience of Groundwater to Change in the Indo-Gangetic Basin

The presentation was exposed last February 23th organized by IAH INC. Check the flyer for more info.



A link for the recording will be provided shortly.

Presentations on MAR from the professor Custodio (in Spanish)

Recarga de las aguas subterráneas y su aplicación en un marco de incertidumbre a abordar. <u>https://youtube.com/live/ObE0EDUd3XU?feature=share</u>



Múltiples aspectos de las acciones de recarga artificial de acuíferos. https://youtu.be/wQ_Cdfv_ciM





Cycle of conferences organized by the University of Chihuahua.



Water in the International Court of Justice: Recent Developments. IWRA seminar recorded.

The full recording of this webinar and PDFs of the presentations will shortly be available on our website at <u>www.iwra.org/webinars</u>



NEW MAR OR MAR-RELATED ACTIVITIES

20th anniversary of the official starting point of MAR at Los Arenales aquifer. CyL, Spain

Last March 11st has been the 20th anniversary for the first MAR system at Los Arenales aquifer, CyL, Spain. This date is when the Minister officially open the valve. The tests were conducted from a year before, and specific studies since 1999.

It has been working not stopping recharging for irrigation during this whole period. Technicians in charge propose a toast, cheers!



It has been a long journey and plenty of information and experience has been gained in these sites; e.g.

In Spanish: https://dinamar.tragsa.es/pdf/IF-hh7-v34c.pdf https://www.imta.gob.mx/biblioteca/libros_html/manejo-recarga-acuiferos-ehl.pdf

In English (chapter 1): https://unesdoc.unesco.org/ark:/48223/pf0000379093

New order published in California to use water from extreme events for MAR. Press release

Peninsula360 press has published an article "Emiten orden para usar agua de inundaciones para recargar y almacenar agua subterránea en California" (californian but in Spanish).





Read the article: <u>https://peninsula360press.com/es_mx/almacenar-agua-subterranea-en-california/</u>

Public consultation on the EU's Horizon Research and Innovation Programmes 2014-2027. Deadline is over, expecting results

The European Commission Services are currently running the largest ever public consultation held on the past, present and future of the EU's Horizon research and innovation programmes 2014-2027. Through this consultation, you are able to share your views on:

- The ex-post evaluation of Horizon 2020
- The mid-term evaluation of Horizon Europe
- The Horizon Europe Strategic Plan 2025-2027



For any questions related to the consultation, please contact RTD-PUBLIC-CONSULTATION-HORIZON@ec.europa.eu



MORE ACTIONS

Whatsapp group on Aquifer Recharge Management

This is the link to join the group, with about 150 participants:

https://chat.whatsapp.com/I4K5HcIxszYEbrszDj1HQd

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 (**<u>dinamar@tragsa.es</u>**).** Thank you in advance and have a happy 2023 World Water Day!!

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

2023 March 22nd (WWD)

IAH-MAR Commission on Twitter





https://twitter.com/IAHMARCom

IAH-MAR Commission's sister Web sites



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



https://dinamar.tragsa.es/



Linked-in groups on MAR

Managed Aquifer Recharge, DINA-MAR https://www.linkedin.com/groups/4690290/

Aquifer Storage and Recovery (ASR) https://www.linkedin.com/groups/2183513/

MARSoluT - MAR Solutions Training Network https://www.linkedin.com/groups/7453856/

IAH MAR Commission Forum

Please, remember you can book freely in the IAH MAR Commission Forum:

https://lists.flinders.edu.au/mailman/listinfo/iah-mar.listcgs