

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

Please, check some MAR news for 2022 October-November.

IAH MAR Commission Newsletter. 2022 October-November

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Charla técnica IAH, capítulo chileno: Recarga Artificial de Acuíferos, October 12nd (in Spanish)

La recarga gestionada de acuíferos con agua regenerada: experiencias en la isla de Menorca. ASERSA Open Webinar Series 13. Oct. 18th (in Spanish)

The IWA World Water Congress & Exhibition 2022. Sep. 12nd – 15th

MAR presentation organized by Funcagua Guatemala. September 22th, 16 h Centroamérica (23:59 h CEST) (In Spanish)

Drought to Flood Symposium (You Tube)

Whatsapp group on Aquifer Recharge Management

Previous IAH-MAR Newsletters and IAH-MAR Commission on Twitter

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11st International Symposium on Managed Aquifer Recharge. ISMAR 11 MATERIALS FOR THE COMMUNITY

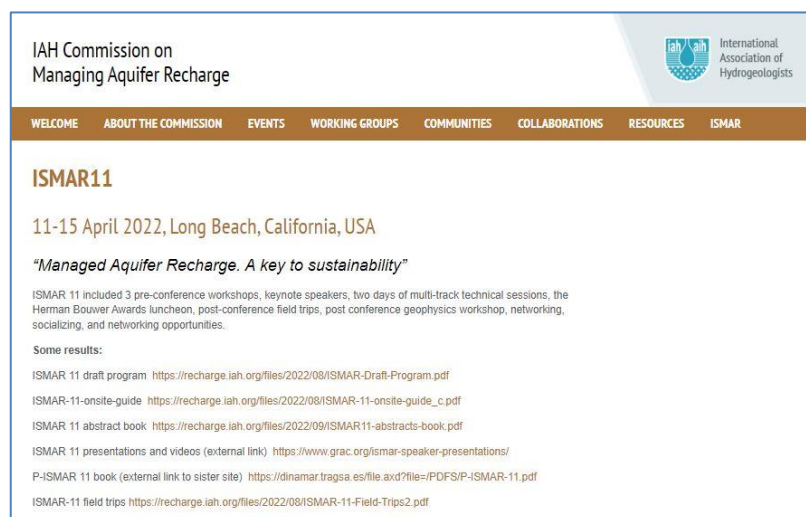
The 11st International Symposium on Managed Aquifer Recharge (ISMAR 11), entitled ***“Managed aquifer recharge: A key to sustainability”*** has provided plenty of results. Most of them may be consulted in GRAC website and in our IAH MAR repo.

Videos and slides of the presentations (GRAC Website):

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

The section “ISMAR” of our website, <https://recharge.iah.org/ismar/ismar11>, congregates some materials produced by the organizers and a new abstract book, assembled by IAH-MAR co-chairs and ISMAR 11 organizers.

In addition, the collection of slides will be under the custody of IAH-MAR co-chairs for general access in the far future. In case your slides are not in the website, please send us for the future repository (dinamar@tragsa.es).



IAH Commission on
Managing Aquifer Recharge

International
Association of
Hydrogeologists

WELCOME ABOUT THE COMMISSION EVENTS WORKING GROUPS COMMUNITIES COLLABORATIONS RESOURCES ISMAR

ISMAR11

11-15 April 2022, Long Beach, California, USA

“Managed Aquifer Recharge. A key to sustainability”

ISMAR 11 included 3 pre-conference workshops, keynote speakers, two days of multi-track technical sessions, the Herman Bouwer Awards luncheon, post-conference field trips, post conference geophysics workshop, networking, socializing, and networking opportunities.

Some results:

ISMAR 11 draft 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 <https://recharge.iah.org/files/2022/09/ISMAR11-abstracts-book.pdf>

ISMAR 11 presentations and videos (external link) <https://www.grac.org/ismar-speaker-presentations/>

P-ISMAR 11 book (external link to 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>

Results:

ISMAR 11 draft 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/ISMAR11-abstracts-book.pdf>

ISMAR 11 presentations and videos (external link) <https://www.grac.org/ismar-speaker-presentations/>

P-ISMAR 11 book (external link to 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>

Once again, we thank ISMAR 11 organizers their effort for the MAR community.

NEW MAR PUBLICATIONS

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

Extended deadline 2023 January 14th

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! New extended deadline 2023 January 14th.

Another new paper has been submitted during the last month, and many others are 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)



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

Special Issue Editors


Dr. Enrique Fernández Escalante E-Mail Website SciProfiles

Guest Editor

Tragsa R&D, UPM Lecturer, IWB Consultant, Co-Chair IAH MAR Commission, Madrid, Spain

Interests: IWRM, hydrology; 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 Hydrosiences, 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



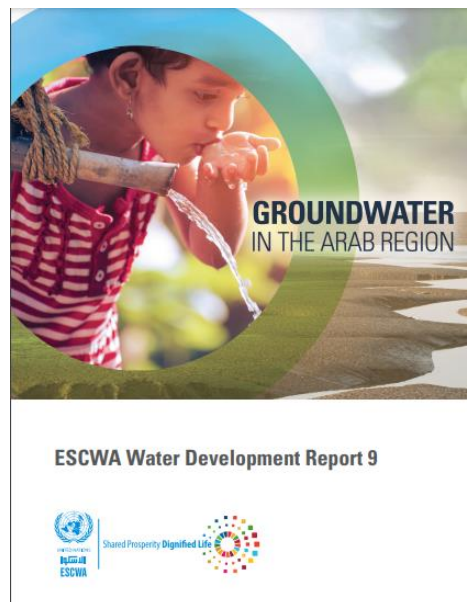
UPDATED CITESCORE (2021 SCOPUS DATA) OF 4.8.

Publishing cost: 50% of APCs, as exposed in the website.

Three articles already on line, and at least three more are coming.

New book: Groundwater in the Arab region

The publication is the product of the collaborative work among many staff members of the Climate Change and Natural Resource Sustainability Cluster at the United Nations Economic and Social Commission for Western Asia (ESCWA). The publication considers MAR as a first row IWRM technique.



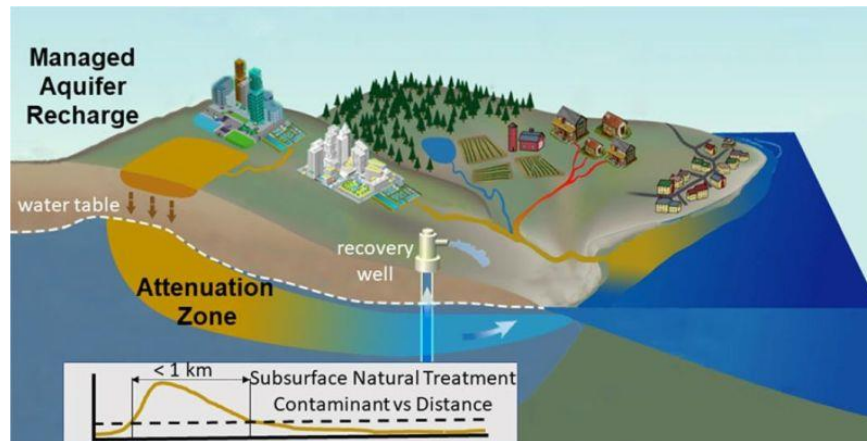
View and download PDF: https://www.unescwa.org/sites/default/files/pubs/pdf/water-development-report-9-english_3.pdf

The 21st century water quality challenges for managed aquifer recharge: towards a risk-based regulatory approach.

The IAH-MAR Commission has contributed to the Hydrogeology Journal's the Year of Groundwater essay topical collection, by articulating the need to designate a subsurface attenuation zone in MAR regulations, so that, the 21st water quality challenges can be met.

Over time, a risk-based regulatory approach has advantages over a prescriptive and quality approach, and is thus recommended.

This is another IAH-MAR Commission collective effort. Hydrogeology Journal. DOI: [10.1007/s10040-022-02543-z](https://doi.org/10.1007/s10040-022-02543-z)

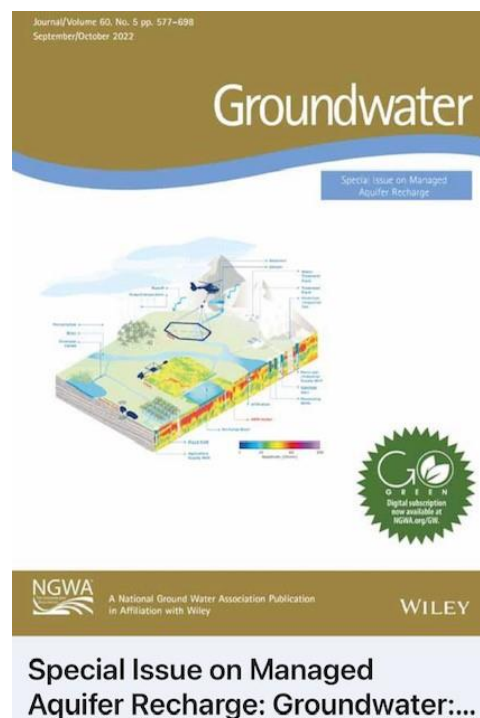


View and download PDF: <https://lnkd.in/dvuEt7e2>

NGWA special issue on MAR

A special issue of Groundwater focused on Managed Aquifer Recharge is hot off the press!

Thank you to Timothy K. Parker, William Alley and Charles A. Job for spearheading this special issue!.



One of the articles is open Access, but the rest cannot be accessed freely.

<https://ngwa.onlinelibrary.wiley.com/toc/17456584/2022/60/5>

MAR-RELATED CONFERENCES AND SEMINARS

MARSOLut Marie S-Curie project. Barcelona final workshop. Hybrid mode, October 19th and 20th. Results.

The Managed Aquifer Recharge ITN Project (MARSOLut) had their final workshop in Barcelona, Spain, last October 19th and 20th.



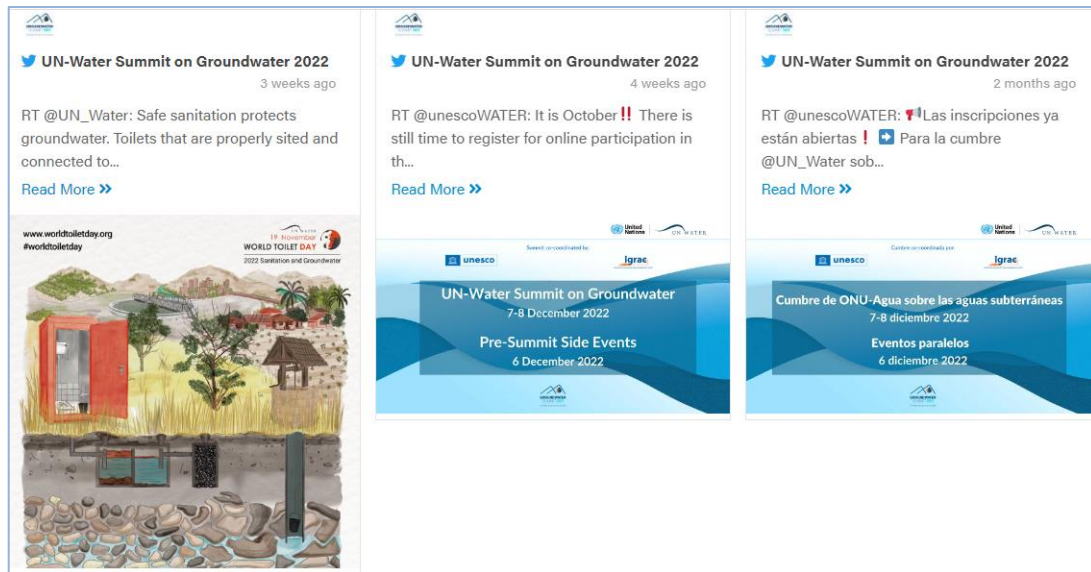
More info and results: <https://www.marsolut-itn.eu/>

Thank you Annette Weffer-Roehl and Karl Roehl for reporting.

UN-Water Summit on groundwater. Paris, 7th and 8th December 2022

The UN-Water Summit on Groundwater will be the culminating event of the 2022 campaign “**Groundwater: making the invisible visible**”, implemented by the dedicated UN-Water Task Force, co-coordinated by UNESCO and the International Groundwater Resources Assessment Centre (IGRAC), on behalf of UN-Water.

IAH will hold/participate in three sessions. MAR will be present only in the innovation section.



More information: www.groundwater-summit.org and info@groundwater-summit.org

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

The International Water Resources Association (IWRA), in partnership with UNESCO-IHP, organize the [UNESCO-IWRA Online Conference](https://iwraonlineconference.org/) on “Emerging Pollutants: Protecting Water Quality for the Health of People and the Environment”.

The Online Conference will highlight the ways the world can advance knowledge, research, and solutions for managing emerging pollutants to improve and protect water quality in a changing world.



More info and booking: <https://iwraonlineconference.org/>

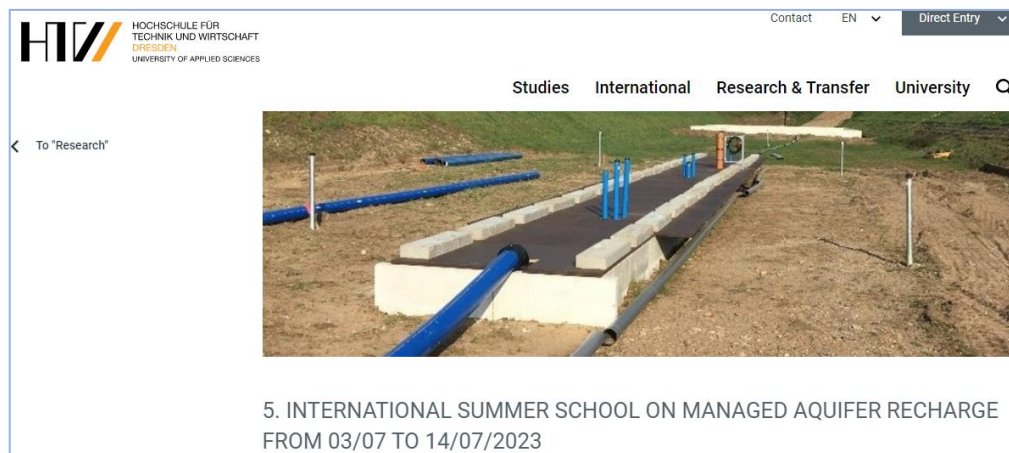
5 International Summer School on Managed Aquifer Recharge, MARISS, from 3 July to 14 July 2023

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:

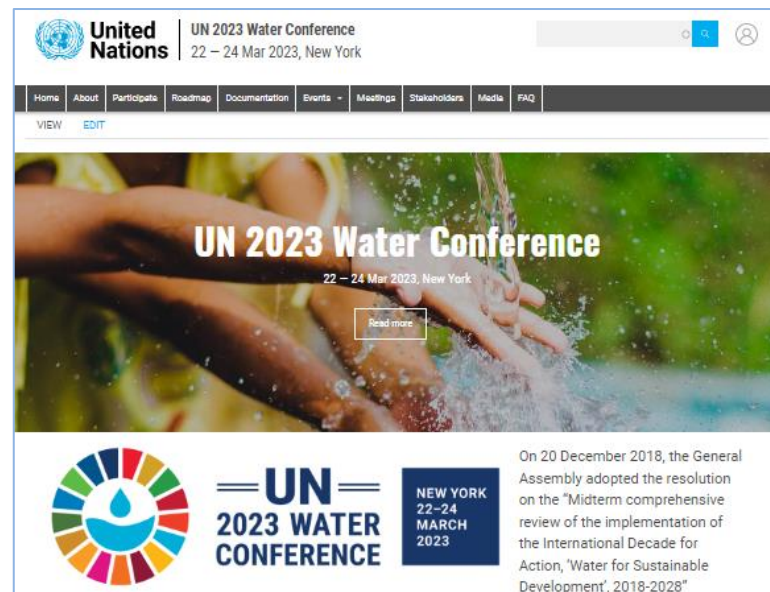
<https://www.htw-dresden.de/en/university/faculties/civil-engineering/studies/subject-areas/water-sciences/research/planned-research-topics>



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.

IAH-MAR are already proposing any participation in the UN 2023 conference, that will take place in 2023 October.



More info: <https://indico.un.org/event/1001019/> and <https://sdgs.un.org/conferences/water2023>

Thank you dear Bob Bower for reporting.

SEMINARS

EFG Webinar: Tackling the 21st Century Water Quality Challenges for Managed Aquifer Recharge

The European Federation of Geologists (EFG) is a professional organisation representing geoscientists all across Europe. They have organized a MAR seminar.

The presenter of the webinar will be Dr Yan Zheng, Chair Professor at the Southern University of Science and Technology (SUSTech) in Shenzhen, China. The host of the session will be Dr Tamás Madarász, Professor and Head of the Institute of Environmental Management at the University of Miskolc in Hungary, and a Member of the EFG Panel of Experts on Hydrogeology.



Register for the free webinar at the following link: <https://bit.ly/3D5Kewe>

The presentation is related to the recent publication (essay): The 21st century water quality challenges for managed aquifer recharge: towards a risk-based regulatory approach.

PAST EVENTS

9th International Groundwater Conference- 2022 (IGWC). Roorkee, India, 2nd to 4th November 2022

AGGS and IAH are cooperating in India on encouraging research, investigations, and best practice and policies for groundwater.

IIT Roorkee, is organising the 9th International Groundwater Conference (IGWC-2022) at IIT Roorkee during November 2-4, 2022, with a focus on '*Effective Management of (sub)-surface Water Resources in Arid and Semi-Arid regions*' under the aegis of Association of Global Groundwater Scientists (AGGS).

The conference includes MAR in the session 7: *Water harvesting, managed aquifer recharge (MAR) and conjunctive use/interactions of surface & groundwater*.

The organizers will share results shortly.



More info: <https://www.igwc2022.com/home>

Thank you Dr. Mottayagowda Thangarajan and Dr. Brijesh Kumar for reporting.

Charla técnica IAH, capítulo chileno: Recarga Artificial de Acuíferos, October 12nd (in Spanish)

La Asociación Internacional de Hidrogeólogos - Capítulo Chileno dictó la charla técnica: Recarga Artificial de Acuíferos, a cargo de Gabriella Bennison.



More info and results:

https://mailchi.mp/eef17786b511/charla_aih_recarga_artificial-5658305?e=01d508e8dd

La recarga gestionada de acuíferos con agua regenerada: experiencias en la isla de Menorca. ASERSA Open Webinar Series 13. Oct. 18th (in Spanish)

“La recarga gestionada de acuíferos con agua regenerada: experiencias en la isla de Menorca” y la “Producción de recursos hídricos alternativos: proyecto LIFE Conquer para riego agrícola y proyectos Life Matrix & Life Remar para recarga de acuíferos”.



Video recording accessible at:

<https://bit.ly/3EjRpm8>

Thank you Jordi Guimera and Sara Espinosa for reporting ☺

The IWA World Water Congress & Exhibition 2022. Sep. 12nd – 15th

The **IWA World Water Congress & Exhibition** is the global event for water professionals covering the full water cycle. As the Congress rotates through cities and

countries each event has an extra emphasis on issues of specific interest to the region.
Read more: <https://worldwatercongress.org/programme/>



MAR in session 3.2. *Alleviating water scarcity using groundwater: the role of knowledge exchange through international cooperation.*

MAR presentation organized by Funcagua Guatemala. September 22th, 16 h Centroamérica (23:59 h CEST) (In Spanish)

La innovación en la gestión hídrica como clave del desarrollo rural. MAR y SAT-MAR en el acuífero Los Arenales, Castilla y León. España.

Videorecorded at: <https://funcagua.org.gt/eventos/>



NEW MAR OR MAR-RELATED ACTIVITIES

Drought to Flood Symposium (You Tube)

The full recording of DWR's recent "Drought to Flood Symposium" is available. A lot of really good content here! Note the excellent presentation by Dr. Marty Ralph of the Center for Western Water and Weather Extremes (<https://cw3e.ucsd.edu/>) on Atmospheric Rivers and other significant changes to our weather patterns. Thank you Michael Anderson for putting this together!



YouTube channel: <https://www.youtube.com/watch?v=dUrHK2oSYrA>

Thank you Adam Hutchinson for reporting.

MORE ACTIONS

Whatsapp group on Aquifer Recharge Management

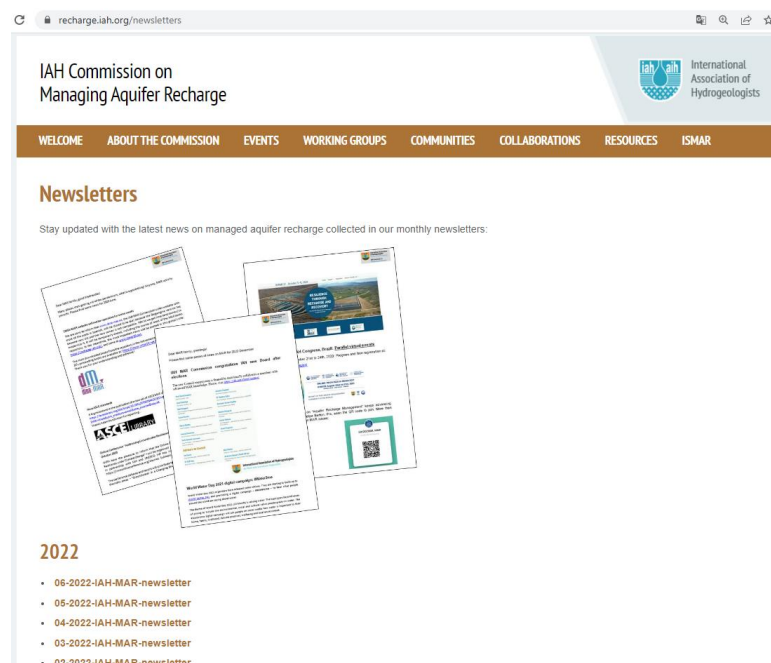
This is the link to join the group, with about 150 participants:

<https://chat.whatsapp.com/CGANGEdciw4V4zqc1I09r>

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)**. Special interest about MAR news from India, we are receiving very scarce. Thank you in advance...

...and thank you very much for your kind attention
All the very best...

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

2022 November 10th

IAH-MAR Commission on Twitter



@IAHMARCom

<https://twitter.com/IAHMARCom>

IAH-MAR Commission's sister Web sites

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



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



@4dina_mar

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>