

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

Please, have these MAR news for early 2024

IAH MAR Commission Newsletter. 2024 January-February Newsletter

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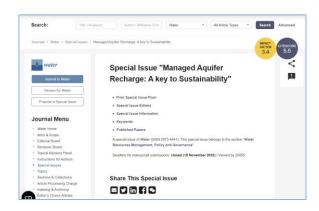
- Managed Aquifer Recharge. A key to sustainability
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- ISMAR 12. Organizers "have informed" the preliminary stage has begun
- IMMINENT: Second International Conference on "Water Resources Management and Sustainability: Solutions for Arid Regions", 26-28 February 2024, Dubai, United Arab Emirates
- 2024 BSMAR Symposium. Arizona, April 3-6
- 4th International Conference on Earth Sciences and Recycling Waste Management Technologies (ICESRWT-2024)" is going to be held at Dubai on June 12-13, 2024
- IAH 2024 Conference. Davos, Switzerland. September. Abstracts deadline: February 29th
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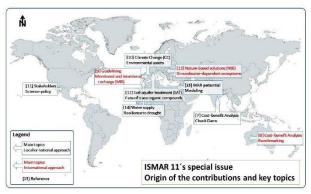


PUBLICATIONS ABOUT MAR

Managed Aquifer Recharge. A key to sustainability

Selected papers on MAR, specially presented at ISMAR 11, are published in this Special Issue of the open-access Journal WATER. Ten papers have been published, including an editorial paper.





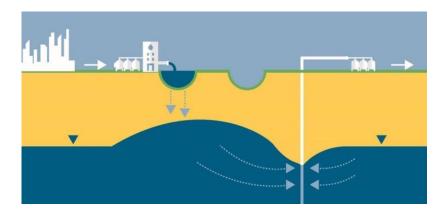
https://www.mdpi.com/journal/water/special issues/Aguifer Recharge.

This is the last bulletin this info will be included.

IAH-MAR co-chairs are exploring another editorial for the future ISMAR 12's special issue. We are expecting the reply from the Hydrogeology Journal...

Managed Aquifer Recharge (MAR-1). Technical Guidance Document and Training

The Managed Aquifer Recharge (MAR) Team finalized the production of a Technical Guidance Document and Training that evaluates the potential uses of MAR...



Read more and Guidance Document for 2023 December is on line at: https://itrcweb.org/itrcwebsite/teams/active/mar

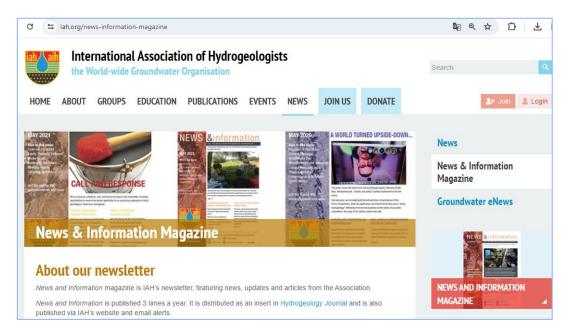
Thank you Dave Kreamer for reporting.



NEW MAR-RELATED PUBLICATIONS

IAH's December Newsletter

IAH's newsletter and IAH Members Alert 2024 include more news from the MAR Commission, thanks to our communication channels have been improved. https://iah.org/news-information-magazine. Gratitude to IAH Executive.



Please, consider possible news articles for future editions, and contact IAH: info@iah.org
www.iah.org

or inform an IAH-MAR co-chair: Catalin Stefan <u>catalin.stefan(a)tu-dresden.de</u> 郑焰(ZHENG Yan) <u>yan.zheng(a)sustech.edu.cn</u> Enrique F. Escalante <u>efernan6(a)tragsa.es</u>

MAR AND MAR-RELATED CONFERENCES AND SEMINARS

ISMAR 12. Organizers "have informed" the preliminary stage has begun

The IAH South Africa website includes some information on the International Symposium on Managed Aguifer Recharge. It will be in South Africa in April-May 2025.

Have a look, and get ready for the largest event of the MAR community!

More info: https://iah.org.za/files/2022/04/ISMAR25 PP April.pdf



We all request your help to attend and publicise the event. By the moment, you may use this slide:



IMMINENT: Second International Conference on "Water Resources Management and Sustainability: Solutions for Arid Regions", 26-28 February 2024, Dubai, United Arab Emirates

The conference includes a sub-theme entitled: Advanced Technologies in Water Resources Management (Large Scale Water Management, ASR, MAR).



https://conferences.uaeu.ac.ae/warms2024/en/index.shtml

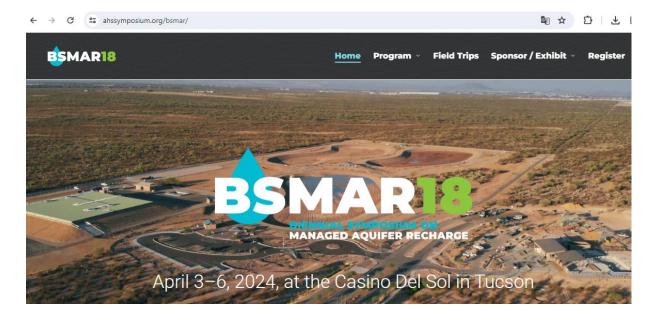
We kindly ask organizers to share some news from the conference.



2024 BSMAR Symposium. Arizona, April 3-6

BSMAR 18 Symposium will take place in Arizona from April 3-6, 2024.

BSMAR18 will kick off with two concurrent panel sessions on surface recharge technologies and injection wells, featuring discussions about lessons learned and future MAR projects...



More info: https://ahssymposium.org/bsmar/

4th International Conference on Earth Sciences and Recycling Waste Management Technologies (ICESRWT-2024)" is going to be held at Dubai on June 12-13, 2024

Presentation about Earth Sciences, Recycling Waste Management and other relevant to the conference.

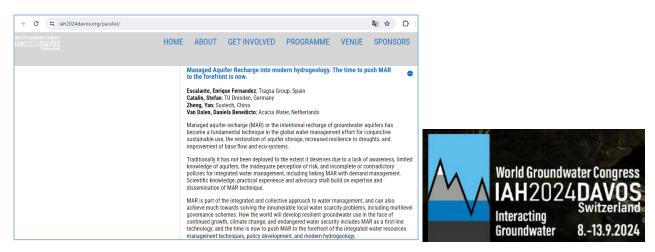
We are expecting info from organizers about the MAR presence yet.

IAH 2024 Conference. Davos, Switzerland. September. Abstracts deadline: February 29th

The IAH 2024 conference will take place in Davos, 2024, September 8-13th.

There is a specific session on MAR: "Managed Aquifer Recharge into modern hydrogeology. The time to push MAR to the forefront is now".





...This session provides a platform for discussing the effectiveness, benefits, constraints, and applicability of MAR in a wide range of technical and socio-economic conditions. This session has been proposed by the Commission on Managing Aquifer Recharge of the International Association of Hydrogeologists, and aims at supporting the scientific advances of MAR in the context of the Annual IAH Congress in Davos, Switzerland.

Organizers ask over 25 abstracts to hold the MAR session. So, *MARers*, please, proceed accordingly. To submit an abstract: https://express.converia.de/frontend/index.php?sub=1381

More info: https://www.iah2024davos.org/

SEMINARS AND WEBINARS

EGU24 session HS1.1.3 Approaches and technical perspectives to combine flood protection and drought reduction. Abstracts deadline 10 January 2024



HS1.1.3 Approaches and technical perspectives to combine flood protection and drought reduction. Booking necessary at: https://bit.ly/RegistroWebinar1_IAH_CM

More info: https://meetingorganizer.copernicus.org/EGU24/session/48119



Geological Society of America conference in Anaheim, CA, 2024, September

A "marer" of the IAH-MAR group has reported he plans to submit a session proposal for the upcoming Geological Society of America conference in Anaheim, CA, in September, entitled "Advances in Managed Aquifer Recharge."



"This session will present an interdisciplinary overview of the hydrological, geochemical, and geobiological processes and interactions associated with the practical implementation and operation of managed aquifer recharge strategies." More info: https://s23.a2zinc.net/clients/corcexpo/gsa2024/public/enter.aspx

IAH-MAR will endorse this session with pleasure.

Thank you Dr. Gordon Osterman for reporting.

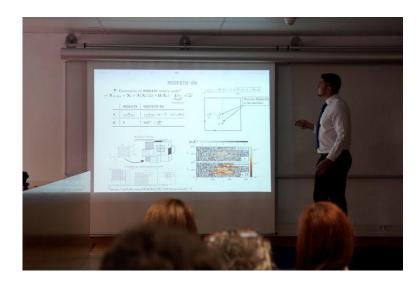
NEW MAR OR MAR-RELATED ACTIVITIES

MAR news MARSOLut project. Two new thesis on MAR have been defended successfully

The 5^{th} and 6^{th} MARSOLut <u>Early Stage Researchers</u> (ESRs) have defended their thesis:

RODRIGO ALFONSO PÉREZ ILLANES. UPC, Barcelona, Spain.

Title: Particle Methods for Reactive Transport Modeling in Heterogeneous Aquifers



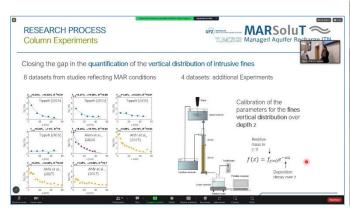


https://h2ogeo.upc.edu/novedad/49%7D

https://www.linkedin.com/posts/groundwater-hydrology-group-88595524_lectura-de-tesis-doctoral-ingenier%C3%ADa-del-ugcPost-7155214732839260161-2wLS?utm source=share&utm medium=member desktop

MARIA CHIARA LIPPERA. University of Leipzig, Germany

Title: Advancing knowledge and prediction of physical clogging to enhance the longterm infiltration capacity of Managed Aquifer Recharge sites in response to accelerating water demand and scarcity





CONGRATULATIONS, Doctors, on behalf of the MAR community...

IAH-MAR Commission has asked MARSOLut coordinator to gather and make public the entire set of thesis from the MARSOLut researchers.

At this moment, there are 6/12 already finished, only one on the Internet, and some more have posted some info, e.g. the 2nd ESR, Kath Standlen, has provided links to her results:

- Literature review and meta-analysis of in-channel MAR methods (https://lnkd.in/eTkjnNgF)
- Decision support groundwater modelling of MAR in a coastal aquifer in the Algarve (https://lnkd.in/enjTEzvH); and
- 3. MAR as part of integrated water resource management in the Algarve (https://lnkd.in/eauHT3MA).

More info: www.marsolut-itn.eu

MAR JOB OPPORTUNITIES

Position for MAR work at University of California, Davis

The Department of Land, Air and Water Resources in the College of Agricultural and Environmental Sciences, at the University of California is recruiting an Assistant Professor of "Groundwater Hydrology". As part of UC Davis' commitment to hire leading research faculty with an outstanding commitment to teaching, research, and



service, we are looking for applicants who will promote the success of historically underrepresented and marginalized student communities and address the needs of our increasingly diverse state and student population.

We are looking for candidates with strong expertise in:

- Hydrogeology
- Demonstrated knowledge of physical groundwater flow and contaminant transport
- Ability to use and improve upon numerical methods and data from neighboring disciplines (e.g., geophysics, AI) to cross a wide range of temporal and spatial scales.

Applicants should apply at the following website: https://recruit.ucdavis.edu/JPF06206

Additional inquiries can be directed to Dr. Helen Dahlke, Email: hdahlke (a)ucdavis.edu. The position will remain open until filled but to ensure consideration, applications should be received by **January 31, 2024.**

Thank you Dr. Helen Dahlke for informing.

Position for MAR work at LNEC Lisbon (Portugal). Applications until 12 February 2024.

A position on MAR for a young researcher

A call for applications is open for a Research Fellowship (BI) under the European research project MARCLAIMED - Integrated Decision Support Tool for Reliable and Affordable Application of Manage Aquifer Recharge with Alternative Water Resources in River Basin and Drought Management Plans.

Applications are open until 12 February 2024.



https://www.linkedin.com/posts/lnec_lnec-engenharia-engineering-activity-7157747854051049472-vYvC?utm_source=share&utm_medium=member_desktop

Thank you Dr. Teresa Leitão for informing.



MORE ACTION

Guarani aquifer Decree. Acordo Sobre o Aquífero Guarani (in Portuguese)

Promulga o Acordo sobre o Aquífero Guarani entre a República Federativa do Brasil, a República Argentina, a República do Paraguai e a República Oriental do Uruguai, firmado em San Juan, em 2 de agosto de 2010.

DECRETO Nº 11.893, DE 23 DE JANEIRO DE 2024

Download: http://www.in.gov.br/web/dou/-/decreto-n-11.893-de-23-de-janeiro-de-2024-539361460



MAR in the MEDIA

Transforming rainwater management in Valladolid with BlueBloqs https://www.youtube.com/watch?v=c_8FXWIr2_A

El cambio climático y el uso excesivo amenazan las aguas subterráneas (in Spanish) https://zbr.com.mx/sin-categoria-es/el-cambio-climatico-y-el-uso-excesivo-amenazan-las-aguas-subterraneas/1299516/#gsc.tab=0

Los humanos pueden cambiar las cosas con esfuerzos deliberados y concentrados' (in Spanish)

https://www.elperiodico.com/es/medio-ambiente/20240127/agua-subterranea-planeta-agota-hay-97417197

MAR-related news from Chile and Panama (the second has temporarily limited access) (in Spanish)



https://laliguanoticias.cl/2024/01/11/esval-y-delegacion-presidencial-de-petorca-se-reunen-para-abordar-desafios-hidricos-en-la-provincia/

https://www.prensa.com/opinion/redefiniendo-el-futuro-del-agua-con-ciencia-y-tecnologia/



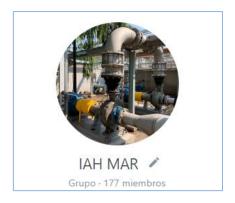
MAR local news from the South of Spain (in Spanish) https://www.laopiniondemalaga.es/malaga/2024/01/09/acosol-adjudica-obras-humedal-artificial-96665758.html

Argentina AR (in Spanish)

https://www.argentina.gob.ar/noticias/construccion-de-un-humedal-artificial-horizontal-piloto-para-el-tratamiento-de-aguas

Whatsapp group on Aquifer Recharge Management

This is the link to join the group, with 177 participants today:



https://chat.whatsapp.com/J8jKMuCXrTr83d1Sl9vDBe

Previous IAH-MAR Newsletters

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

https://recharge.iah.org/newsletters



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 https://www.linkedin.com/groups/4690290/ (528 members)

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

That's all by now... please, keep reporting (dinamar@tragsa.es). We miss pieces of news, especially from Asia

Dr. Enrique Fernández Escalante, on behalf of the IAH MAR Commission co-chairs.

2024 February 12nd