

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

Attached some MAR-related news for 2022 June.

#### IAH MAR Commission Newsletter. 2022 June

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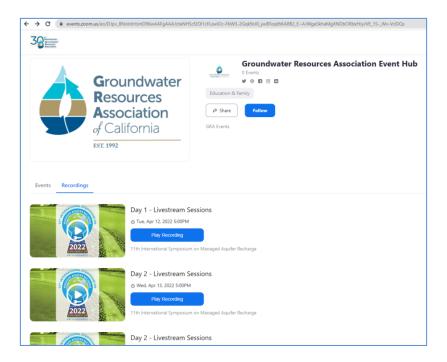
IAH-MAR Commission's sister sites



# 11<sup>st</sup> International Symposium on Managed Aquifer Recharge, ISMAR 11. ORGANIZERS WILL SEND THE PRESENTATIONS AND ABSTRACTS SHORTLY!

The 11<sup>ST</sup> International Symposium on Managed Aquifer Recharge (ISMAR 11), entitled: "*Managed aquifer recharge: A key to sustainability*" has provided plenty of results that will be shared with the MAR community shortly by means of <a href="https://www.ismar11.net">https://www.ismar11.net</a>, and through the usual IAH-MAR canals.

The videos available from the event, (not all the sessions were recorded) can be accessed at GRAC Website, zoom portal, after login: https://bit.ly/3boabN7



The collection of posters has been gathered in the P-ISMAR 11 publications. We will hopefully dispose of the abstracts and presentations links for the next newsletter.



The new publication is already accessible on the Internet. Download P-ISMAR 11: https://dinamar.tragsa.es/file.axd?file=/PDFS/P-ISMAR-11.pdf

Once again we are grateful to ISMAR 11 organizers for so outstanding conference.



#### **NEW MAR PUBLICATIONS**

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

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 8 and ISMAR 10.

Submission is open for all ISMAR 11 participants, as well as all members of the international MAR community. **EVERYONE IS INVITED TO SUBMIT!** Please, proceed before Mid-September, preferentially.

The Special Issue "Managed Aquifer Recharge: A key to Sustainability" is already open for contributions. Papers will be available in electronic format and as part of a printed book. For more details, please visit:

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

#### Guest editors:

Enrique Fernandez Escalante (Spain) Catalin Stefan (Germany) Christopher J. Brown (USA) June Mirecki (USA)





**UPDATED CITESCORE (2021 SCOPUS DATA) OF 4.8.** 

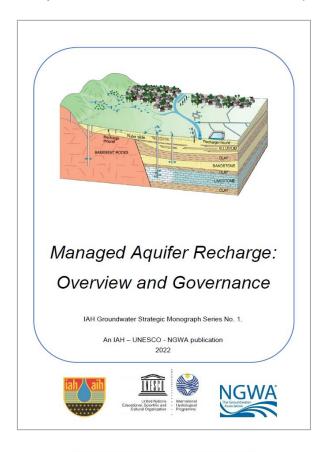


#### **Managed Aquifer Recharge: Overview and Governance**

This book was produced as a joint effort of IAH, UNESCO and NGWA with encouragement of the Ground Water Project and published as a Special Publication of IAH in June 2022. Its three sections written by different teams give (1) an overview of purposes... read more: https://recharge.iah.org/

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

Download from <a href="https://bit.ly/3nm4K4i">https://bit.ly/3nm4K4i</a> or from the mirror site <a href="https://bit.ly/39SkF74">https://bit.ly/39SkF74</a>





## The water report. Managed Aquifer Recharge (2022 June edition).

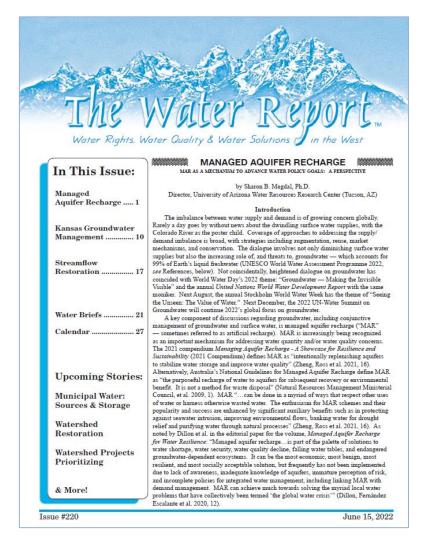
We report a MAR contribution of the professor Sharon Megdal in the Water Report. Water rights, Water quality and water solutions in the West.

The imbalance between water supply and demand is of growing concern globally. Rarely a day goes by without news about the dwindling surface water supplies, with



the Colorado River as the poster child. Coverage of approaches to addressing the supply/demand imbalance is broad, with strategies including augmentation, reuse, market mechanisms, and conservation... The document has copyright, but it is available at: <a href="https://wrrc.arizona.edu/publications/reports/managed-aquifer-recharge">https://wrrc.arizona.edu/publications/reports/managed-aquifer-recharge</a>

Contact Sharon for more info, please. Smegdal (a) arizona.edu



Thank you Professor Sharon Megdal for reporting.



#### MAR-related conferences and seminars

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

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 Organizing Committee have to determine that the meeting will be held fully online due to the COVID-19 pandemic status worldwide and China's current travel restrictions.



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

Session 15: Managed Aquifer Recharge. Please, submit your work. The **deadline of abstract submission is June 30**<sup>th</sup>, and the deadline of early-bird registration is July 20<sup>th</sup>.

## 6-Day MAR course organized by UNAM, Mexico City, 2022 June 6<sup>th</sup>-10<sup>th</sup> + 17<sup>th</sup>, has finished successfully

Theoretical and practical training action on applied hydrogeology: Managed aquifer recharge techniques.

Mixed (classroom and virtual), this course has presented the most common technologies to recharge aquifers efficiently and safely, covering from the basic concepts of hydrogeology to practical cases of worldwide recognition.

The course included a workshop on the afternoon of June 6 for the development of the artificial recharge guidelines in Mexico.

It has also included a technical visit to three MAR projects in Mexico City, including one on water injection, another on artificial wetlands construction and a use-case for monitored land subsidence and automatic replenishment with MAR water, to balance the subsidence impact on a public building.









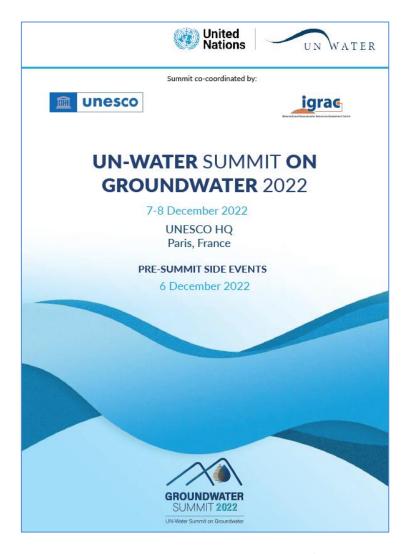
For more information, please, contact the coordinator: M.I. Adriana Palma Nava, Latin-MAR Community of Practice coordinator, IAH-MAR: APalmaN@iingen.unam.mx

## UN-Water Summit on groundwater. Paris, 7 and 8 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. The main messages from the Summit will be conveyed to the United Nations 2023 Water Conference.

Flyer and provisional program in their website.





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

The IAH-MAR Commission has submitted an official request to host a MAR side event: Managing Aquifer Recharge: making the visible, invisible!! The opverall objective(s) of the Side Event is increasing awareness of MAR and its capabilities to face frontally climate change adverse impacts, to provide local solutions to the global water crisis and to become a key for sustainability.

Please, stay tuned to the results (to be informed in the next Newsletter).

## MARSOLut Marie S-Curie project. Malta training workshop 4.

The Managed Aquifer Recharge ITN Project (MARSOLut) has developed its 4th workshop in Malta island during 2022 June 21<sup>st</sup> to 23<sup>rd</sup>. The aspects more developed have been MAR Legislative and Regulatory processes (conducted by the IAH-MAR working Group on regulations leader, Manuel Sapiano), water governance and economic aspects

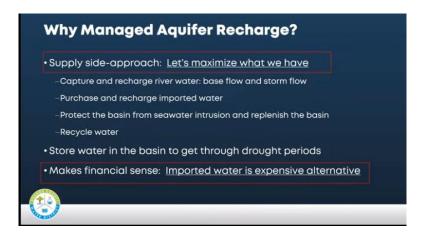




More info: https://www.marsolut-itn.eu/

### Future of Managed Aquifer Recharge in the United States.

This public session took place Tuesday May 10<sup>th</sup> and Wednesday May 11<sup>th</sup> from 11:00AM to 2:00PM EDT both days. This joint meeting explored the potential of Managed Aquifer Recharge (MAR) to meet U.S. water needs over the next 30-50 years.



More info and recorded video (2 h 59 min):

https://www.nationalacademies.org/event/05-10-2022/future-of-managed-aquifer-recharge-in-the-us

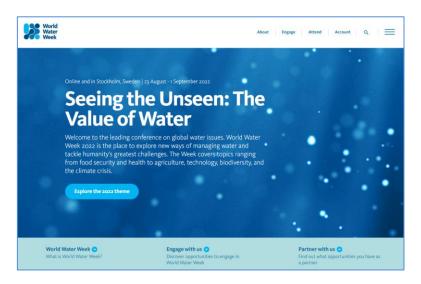
Thank you Adam Hutchinson and June Mirecki for reporting.



#### **NEW MAR OR MAR-RELATED ACTIVITIES.**

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

In-Person & Hybrid Session: Valuing Groundwater. At least, two abstracts on MAR have been accepted.



More info: <a href="https://www.worldwaterweek.org/">https://www.worldwaterweek.org/</a>

## Webinar about drilling and constructive differences between water supply and MAR wells (in Spanish)

Organized by Hidro-Drilling Chile, the webinar has been imparted by drilling experts and former university lecturers, with the title: "drilling wells for catchment versus drilling wells for artificial recharge of aquifers. Differences and similarities in procedures and design".

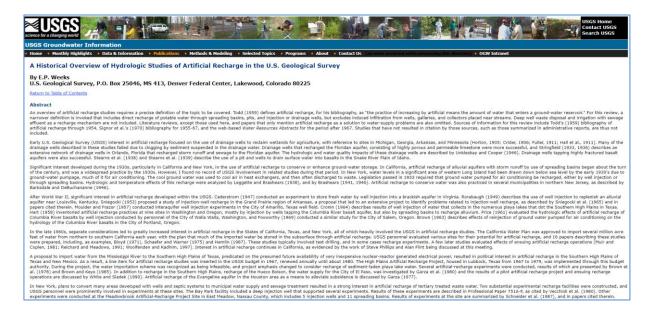


Due to a human error, the video of the webinar was not saved.

## Another drop of nostalgia

The selected publication for this newsletter has been:

A Historical Overview of Hydrologic Studies of Artificial Recharge in the U.S. Geological Survey. By E.P. Weeks. U.S. Geological Survey, P.O. Box 25046, MS 413, Denver Federal Center, Lakewood, Colorado 80225



Download: <a href="https://water.usgs.gov/ogw/pubs/ofr0289/epw\_historical.html">https://water.usgs.gov/ogw/pubs/ofr0289/epw\_historical.html</a>



#### More actions

## **Whatsapp group on Aquifer Recharge Management**

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 June 27th

Please, remember you can book <u>freely</u> in the IAH MAR Commission Forum: <u>https://lists.flinders.edu.au/mailman/listinfo/iah-mar.listcgs</u> 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/







