

Dear Ladies and Gentlemen, dear MAR family, greetings!

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MAR books repository. 104 free books on MAR. Last update April 2021

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IAH Commission on Managing Aquifer Recharge. Twitter account

International Symposium on Managed Aquifer Recharge, ISMAR 11. Call for abstracts!!

The premier conference on MAR, ISMAR 11
Long Beach, CA, USA, April 11th to 15th 2022



On behalf of GRA and IAH-MAR Commission, the call for abstracts for the 11th International Symposium on Managed Aquifer Recharge (ISMAR11), April 2022 in Long Beach, CA, is already open.

The ISMAR series started in 1988 in Anaheim and has since travelled all over the world. It returns to Southern California, where it will include a full day of pre-conference educational workshops, several days of technical sessions, the Herman Bouwer Awards Luncheon (all call for nominations will be forthcoming), poster sessions, opportunities for student and young professionals, field trips and great networking, socializing, and entertainment opportunities.

Call for abstracts open: <https://airtable.com/shrGJrx6WU4UG9zUv>



Visit the ISMAR website here: <https://www.ismar11.net/>
 Visit the GRA event page here: <https://lnkd.in/gXn6YNz>
 Submit an Abstract here: <https://lnkd.in/g9zcMvb>
 Register as a Sponsor or Exhibitor here: <https://lnkd.in/g6Sb6ur>
 View the Sponsorship Opportunities booklet here: <https://lnkd.in/gKqA4nh>
 Stay connected by signing up for the ISMAR11 mailing list for the latest information on abstracts, registration information, etc.

More info: <https://www.ismar11.net/#about>

There is a **sponsorship prospectus** available for those that wish to be a sponsor or exhibitor at the event.

Along with the email - Facebook, LinkedIn, Instagram and Twitter all have posts about ISMAR11 on GRC. Please comment, like and share to your networks!
 Groundwater Resources Association: email@grac.org www.grac.org

Thank you Adam Hutchinson, Sarah Erck and co-organizers for reporting.

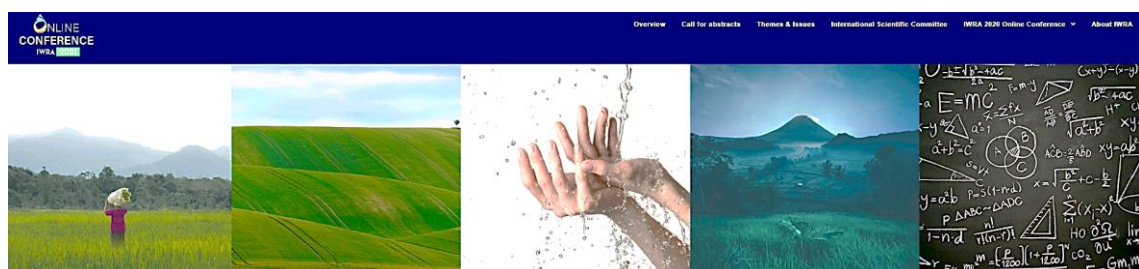
*Former ISMAR 10 conference: www.ismar10.net

IWRA-FAO online conference 2021. One Water, One Health: Water, Food and Public Health in a Changing World. 7-9 June 2021

Call for Abstracts. **Deadline extension: May 13th, 2021**

Themes & Issues

1. How can we better manage water for food and public health in a changing world?
2. How can managing water in agriculture contribute to food security and public health?
3. What opportunities lie in the improved cooperation between water, food, and public health sectors?
4. What are the synergies or trade-offs between ecosystem health and human health?
5. How can science better inform public policy, governance and capacity building for water, food and health?



More info: <https://iwraonlineconference.org/call-for-abstracts-2021/>

IMMINENT CONFERENCES WITH MAR SESSIONS:

International Symposium on Geofluids, to be held on 7-9 July 2021.

More info: <https://geofluids2021.hu/circular/2021-03-03.html>

DEADLINE EXTENSIONS

47th IAH Congress- Brazil/Brasil 2021. MAR session

More info: <https://iah2021brazil.org>.

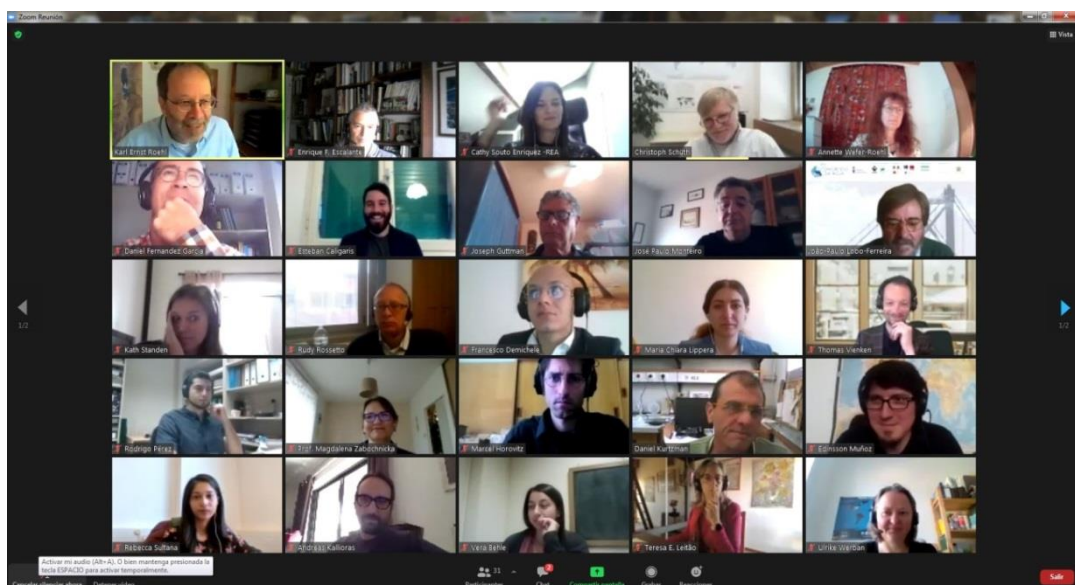
48th IAH Congress- Brussels

Over 30 abstracts have been received for session 8 on **Managed Aquifer Recharge**.

More info: <https://iah2021belgium.org/programme/sessions-topics/>

MARSolut European H2020 project. Mid-term meeting and mid-term/interim check, May 3rd and 4th 2021

During these two-day workshop all scientists briefly presented their research and described their role within the network.



More info: <https://www.marsolut-itn.eu/news-events/network-events/>

Oaklands Education Centre - Joint Research Program between Flinders University and the City of Marion won the Australian National Prize in the Excellence in Research and Innovation category

Peter Reeve was at the heart of a National Stormwater Australia Award for Excellence: National Prize in the Excellence in Research and Innovation category. This project won the SA Award in 2020, and was up against all other states in the national award which it won on Wednesday night. As well as research to help City of Marion manage its wetland, Peter and team have a big role in helping with water and environmental education of high school students. Congratulations to Peter, Flinders U and City of Marion! Congratulations to our South Australian Winners!

The Oaklands Park Wetlands Education Centre is a joint initiative between the City of Marion and Flinders University and supports Flinders University teaching, Honours, Masters and PhD research projects relating to wetlands and managed aquifer recharge (MAR). The Centre enables STEM outreach, associated with stormwater management to primary and secondary school children. One of the key outcomes for the initiative is to engage local students in applied research that will benefit MAR Operation and Long Term financial planning for Opex and Capex Budgets for all MAR Operators. The resulting innovative and novel applied research is providing information that will drive the continuous improvement of MAR operations whilst providing assurance that no long-term adverse environmental impacts are occurring during the injection of trace amounts of inorganic and organic compounds....

You can watch the video presentation on our Youtube channel here:

https://www.youtube.com/watch?v=Zj_C40pQmTU



Additionally, the Combining Integrated Stormwater Management with Environmental Protection at Springwood, Gawler East project.


Wallbridge, Gilbert Aztec received a high commendation in the Excellence in Strategic or Masterplanning category. You can watch the video presentation on our Youtube channel here: [Watch video now](#)

Thank you Dr. Peter Dillon for reporting.

Xavier Sánchez-Vila's great Darcy Lecture in EGU last month

The EGU meeting this year has been 2 weeks-long and there was a lecture on MAR from the Darcy prized lecturer from the UPC, Xavier Sánchez-Vila: *Porous media as a canvas for hydro-bio-geo-chemical processes: Facing the challenges*.


The lecture is on the Internet but only accessible for EGU attendants. Access to the abstract and link only for people who registered for the EGU meeting (in the: Display materials): <https://meetingorganizer.copernicus.org/EGU21/EGU21-15490.html>




vEGU21: Gather Online | 19–30 April 2021

[FEEDBACK](#) [PROGRAMME](#) [EXHIBITION](#) [ABOUT](#) [GUIDELINES](#)

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EGU21-15490
<https://doi.org/10.5194/egusphere-egu21-15490>
EGU General Assembly 2021
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Porous media as a canvas for hydro-bio-geo-chemical processes: Facing the challenges

Xavier Sanchez-Vila 
Universitat Politècnica de Catalunya - BarcelonaTech, Dept of Civil and Environmental Engineering, Barcelona (xavier.sanchez-vila@upc.edu)

The more we study flow and transport processes in porous media, the larger the number of questions that arise. Heterogeneity, uncertainty, multidisciplinary, and interdisciplinary are key words that make our life as researchers miserable... and interesting. There are many ways of facing complexity; this is equivalent as deciding what colors and textures to consider when being placed in front of a fresh canvas, or what are the sounds to include and combine in a music production. You can try to get as much as you can from one discipline, using very sophisticated state-of-the-art models. On the other hand, you can choose to bring to any given problem a number of disciplines, maybe having to sacrifice deepness in exchange of the better good of yet still sophisticated multifaceted solutions. There are quite a number of examples of the latter approach. In this talk, I will present a few of those, eventually concentrating in managed aquifer recharge (MAR) practices. This technology involves water resources from a myriad of perspectives, covering from climate change to legislation, from social awareness to reactive transport, from toxicological issues to biofilm formation, from circular economy to emerging compounds, from research to pure technological developments, and more. All of these elements deserve our attention as researchers, and we cannot pretend to master all of them. Integration, development of large research groups, open science are words that will appear in this talk. So does mathematics, and physics, and geochemistry, and organic chemistry, and biology. In any given hydrogeological problem you might need to combine equations, statistics, experiments, field work, and modeling; expect all of them in this talk. As groundwater complexity keeps amazing and mesmerizing me, do not expect solutions being provided, just anticipate more and more challenging research questions being asked.

So if you are not registered find a college who was. It is an exceptional talk (+ don't skip Jesus Carrera's introduction).

Also, this session might be slightly relevant to the MAR community but not very directly: <https://meetingorganizer.copernicus.org/EGU21/session/39488>.

Thank you Drs. Daniel Kurtzman and Catalin Stefan for reporting.

BOOKS ON MAR:

MAR books repository. 104 free books on MAR. Last update April 2021

DINAMAR project's team keep gathering those books of hydrogeology specially dedicated to MAR technique which are available for free on the Internet. The repository is open to everyone and any contribution will be welcome, emailing to: dinamar@tragsa.es.

Please notice that we understand for a book a publication with or exceeding 50 pages. We thank in advance your participation.

Repo link: <https://dinamar.tragsa.es/post/actualizacion-update-libros-sobre-la-tecnica-mar-repositorio-mas-de-100-libros-mar-books-repository-more-than-100-free-books-on-mar-april-2021>

NEW BOOKS ON MAR

The Institutional Dimensions of Groundwater Recharge: A Special Collection

MAR in USA collection of use-cases: *In this special collection, editors and authors examine deployment of MAR in examples from around the USA to illustrate the range of institutional approaches used as well as how those relate to the drivers and objectives of MAR. The overarching impetus for this work is the recognition that water managers often anecdotally agree that institutional elements are as important, or more important, than technical challenges to MAR in many cases.*



Articles access: <https://online.ucpress.edu/cse/pages/idgr>

Future volume on Artificial Recharge for third world countries

An organization, with Headquarters in Delhi, named Centre for Science and Technology of the non-aligned and other developing countries is taking initiatives for a future volume on Artificial Recharge for third world countries.

More information and specific info will come shortly. Please, stay tuned.

Thank you Dr. Dipankar Saha for reporting

Managed Aquifer Recharge for Water Resilience.

Water Journal special issue containing 23 papers selected from ISMAR 10 conference. There is 20% discount for all authors published papers in this special issue. If anyone orders over 20 copies, 10% additional discount will be applied.

More info, pdf of the book and purchase of the printed version: <https://lnkd.in/dDiQSHG>

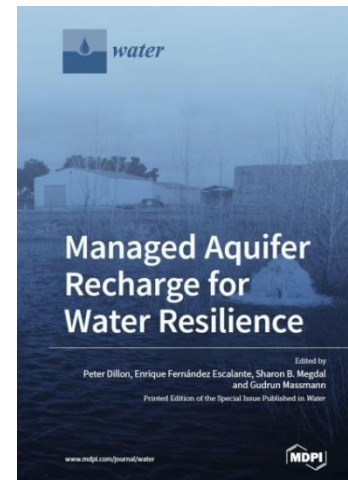
Edited by: Peter Dillon, Enrique Fernández Escalante, Sharon B. Megdal and Gudrun Massmann. Access:

mdpi.com/books/pdfview/book/3558

ISBN 978-3-03943-042-0 (Hbk), ISBN 978-3-03943-043-7 (PDF)

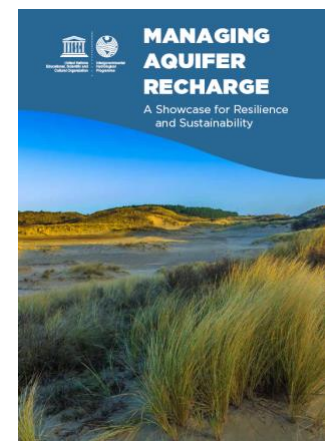
Download (pdf): [#MAR #Water](https://lnkd.in/dDiQSHG)

Informative leaflet: [bookReprintFlyer_3558.pdf](#) (413,64 kb)



Managed Aquifer Recharge. A showcase for resilience and sustainability

Imminent release of the UNESCO-IHP-GRIPP book: MAR. A show case for Resilience and Sustainability on 28 international MAR case-studies.



TIME FOR WEBINARS

Funcagua Guatemala. Series of conferences on Aquifer Recharge (in Spanish). Results.

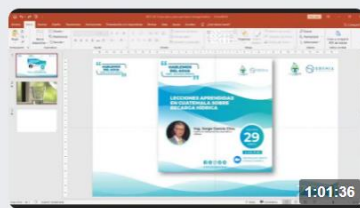
Funcagua has organized during 2021 April a series of conferences on Aquifer Recharge.

Full collection of presentations on line: https://fb.watch/4Ut_vYzv9U/

Regarding the I Congreso Nacional de Seguridad Hídrica Guatemala, 22th to 25th March 2021, which included a session on water security and MAR (in Spanish); the whole presentations of the 4-day conference have been merged in a single pdf file. Download: <https://lnkd.in/ehFtJh5>.

Stay tuned for personalized zoom links in the website www.funcagua.org.gt

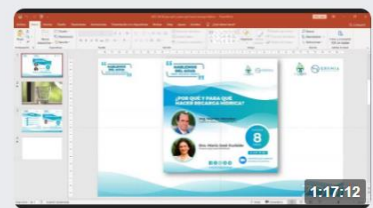
Videos relacionados



Lecciones aprendidas en Guatemala sobre recarga hidrica
 Funcagua
 286 reproducciones · 29 de abril



San Salvador: Primera ciudad esponja en Centroamérica
 Funcagua
 307 reproducciones · 22 de abril



¿Por qué y para qué hacer recarga hidrica?
 Funcagua
 23 reproducciones · 8 de abril



I Congreso Nacional de Seguridad Hídrica



Primer Congreso Nacional de Seguridad Hídrica

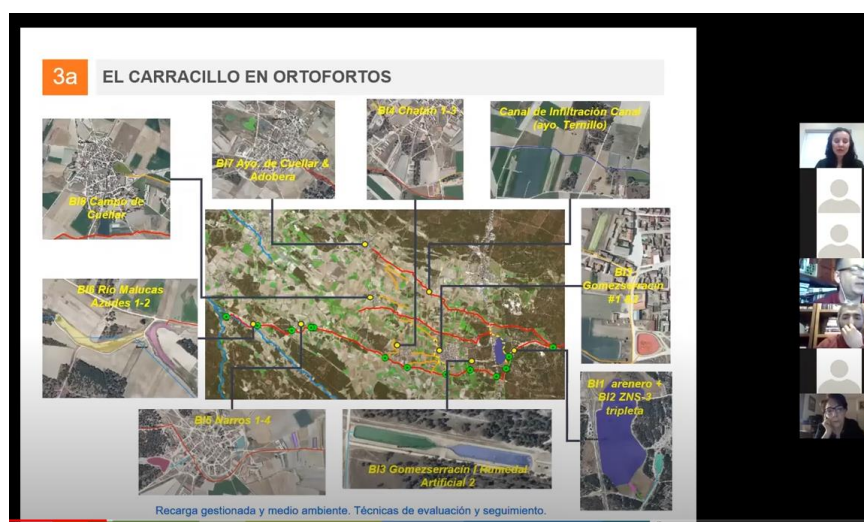


I Congreso Nacional de Seguridad Hídrica

Webinar "MAR and Environment" organized by Chihuahua University (UACH). Results.

The Autonomous University of Chihuahua (UACH) organizes conferences on managed recharge and other current topics.

On April 16th, Dr. Jon San Sebastian (Tragsatec) was invited to give the talk: "MAR and Environment".



Direct access(You Tube, in Spanish): <https://www.youtube.com/watch?v=8ufDT0-hsGI&feature=youtu.be>

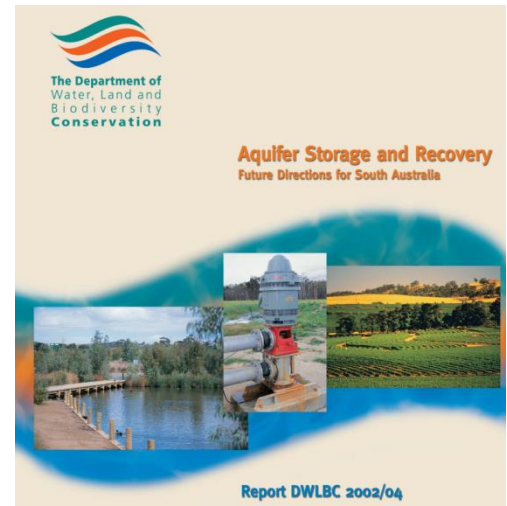
More info: [UACH](https://www.uach.mx/).

Thank you Miguel Ángel González for reporting.

Old publications on MAR (another drop of nostalgia...).

The selected drop has been ... *Aquifer storage and recovery. Future directions for South Australia:*

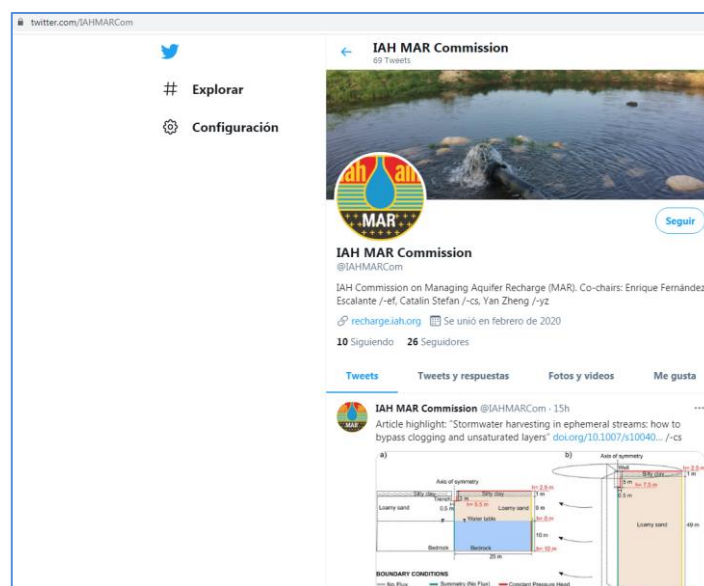
Aquifer Storage and Recovery (ASR) has considerable potential to improve the quality and availability of water resources in South Australia by harvesting waters such as, urban stormwater runoff and treated wastewater, and injecting them into suitable aquifers for later recovery and use. The South Australian Department for Water Resources has carried out a significant number of investigations into ASR schemes using source water of varying quality. The work is at the International leading edge in the design and implementation of ASR schemes that use low quality waters injected into, and stored in, aquifers of low transmissivity.



Download: http://webdoc.sub.gwdg.de/ebook/serien/ud/DWLBC/DWLBC2002_04.pdf

IAH Commission on Managing Aquifer Recharge. Twitter account

Please, follow the Twitter account of the IAH Commission on Managing Aquifer Recharge at <https://twitter.com/IAHMARCom>



And that's all by now... please, keep reporting (dinamar@tragsa.es), if you do not share your pieces of news, we cannot include them in the next newsletter...

Thank you very much for your kind attention

Best regards

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



@IAHMARCom

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

Sister sites:

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



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



@4dina_mar

Please, get ready for our next main event:
www.ismar11.net

