

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

Attached some MAR-related news for 2022 January.



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11st International Symposium on Managed Aquifer Recharge, ISMAR 11. REGISTRATION AND DRAFT AGENDA

On behalf of GRA, ISMAR 11 organizers and the IAH-MAR Commission, we cordially invite you to attend the 11th International Symposium on Managed Aquifer Recharge (ISMAR11), April 2022 in Long Beach, CA.

Provisional program: https://ismar11.net/registration/



April 11	April 12	April 13	April 14	April 15
Subsurface Injection and Recovery Recharge Workshop	General Sessions	4 Concurrent Tracks	4 Concurrent Tracks	Water Replenishment District Southern California Albert Ro
Recovery Recharge Workshop David Pyne	Keynote 1 Bruce Babbitt, Former AZ Governor.	Session Topics Include:	Session Topics Include:	Learning Center
Russell Martin	and Sec. of Interior	ASR MAR-Geophysics	ASR MAR-Geophysics	Orange County Water District
Surface Spreading Recharge Workshop Mike Milczarek	Keynote 2 David Kreamer, UNLV, President of	MAR-Geophysics MAR-Emerging Contaminants FLOOD-MAR	MAR-Emerging Contaminants FLOOD-MAR	Surface Recharge System an Groundwater Replenishment System
Adam Hutchinson Meeting Water Management	Panel 1:MAR in California	International MAR MAR-Integrated Water Management	International MAR MAR-Integrated Water Management	Field Trips Details - Click Her
Objectives with Managed Aquifer	Moderator: Felicia Marcus			Post-Conference - Geophysic Workshop
Recharge: The Role of MAR Governance and Policy Sharon B. Megdal	Panel 2 MAR in Action Moderator: Sharon B. Megdal	 MAR-Environment MAR Engineering & Design MAR-Water Markets 	 MAR-Environment MAR Engineering & Design MAR-Water Markets 	Ahmad-Ali Behroozmand Max Halkjaer
Workshop Details - Click Here	Herman Bouwer Awards Luncheon	Reception	Reception	John Jansen Timothy K. Parker
	IAH Plenary Session	Networking	Poster Session	Workshop Details - Click Her
	ISMARx Workshop A series of short presentations by	Gala - Sergio Vellatti Big Band Los Angeles	Networking	
	graduates and young profession-			

ISMAR 11 website: https://www.ismar11.net/ GRA event page: https://lnkd.in/gXn6YNz

Register as a Sponsor or Exhibitor: https://lnkd.in/g6Sb6ur

View the Sponsorship Opportunities booklet: https://lnkd.in/gKqA4nh

Along with the email - Facebook, LinkedIn, Instagram and Twitter all have posts

about ISMAR11 on GRAC: www.grac.org

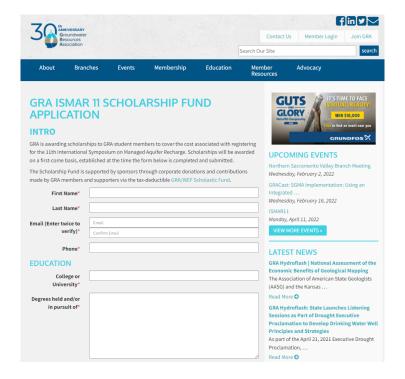


Preliminary agenda: https://www.grac.org/media/files/files/4407fbbd/ismar-2022-preliminary-agenda-flyer.pdf

ISMAR 11. GRA Student Member Scholarships

GRA is awarding scholarships to GRA student members to cover the cost associated with registering for the 11th International Symposium on Managed Aquifer Recharge. Scholarships will be awarded on a first-come basis, established at the time the form below is completed and submitted.

The Scholarship Fund is supported by sponsors through corporate donations and contributions made by GRA members and supporters via the tax-deductible GRA/WEF Scholastic Fund.



More info and submission:

https://www.grac.org/forms/gra-ismar-scholarship-fund-application/



IAH MAR commission. Mandate renewal 2021-26. Submission to IAH and preliminary response

During 2022 January, we have submitted the application to keep our activity within the IAH framework. This is the encouraging response from Marco Petitta, Vice President, Programme and Science Coordination:

Dear Enrique

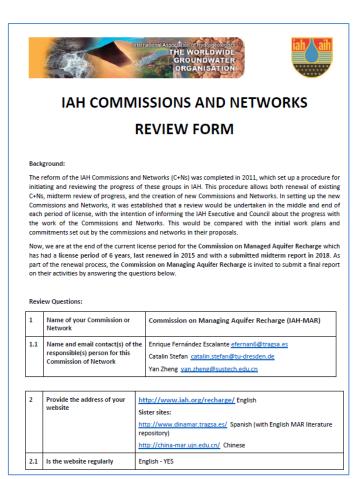
I checked the documents you sent me and I confirm they are correct and complete for providing a decision on the next mandate.

The activity performed by the MAR Commission is impressive, both in terms of numbers of meetings, conferences, reports, papers and of course in terms of quality of contributions.

I apologize another time for not providing a renewal mandate during 2021, as expected, and I thank you and the co-chairs for keeping the Commission alive during last year.

An official decision will be done during the Executive Council meeting scheduled in late February, but my opinion on your request is surely positive.

Let us expect final February to receive the final response whilst we keep working.





NEW MAR OR MAR-RELATED PUBLICATIONS

IAH MAR Commission. Memory of activities 2021

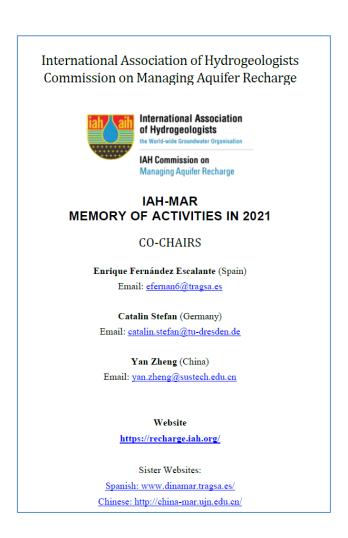
During 2022 January we have redacted our annual memory of activities, which is already posted on the Internet: https://recharge.iah.org/recent-annual-reports

The IAH Executive have enhanced our effort, encouraging us to keep and improve our current activity. This is the response from IAH President, Dr. David Kreamer to the submission:

Dear Colleagues.

This is absolutely fantastic. The work you are doing is an inspiration to all of IAH, and is a shining example of our efforts to advance the science, inform the public, and make the world a better place. Deepest gratitude from all your colleagues on this impressive summary. Kudos!!!

Appreciatively,





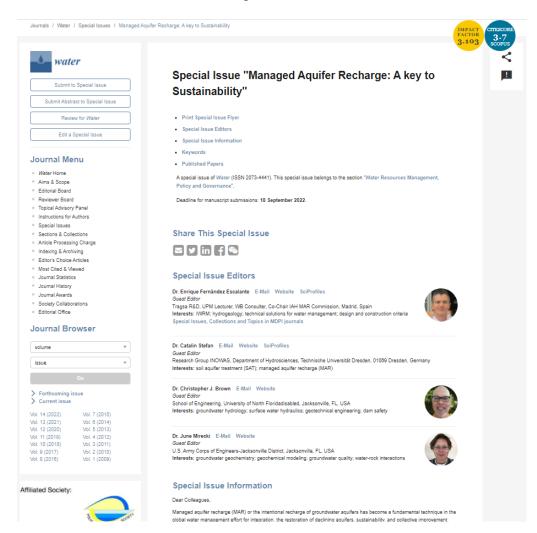
Managed Aquifer Recharge. A key to sustainability. Journal Water special issue

MDPI Journal Water and IAH-MAR Commission + ISMAR 11 organizers commit a future Journal to include the main articles, outcomes. Authors not ISMAR 11 attendants are invited to participate.

As per the previous ISMAR, a special issue will be published gathering the most remarkable advances in Mar willing to participate in this publication.

The call for invited papers is already on line. After ISMAR 11, remarkable papers will be invited to contribute in this important selection.

More info will be released in the coming weeks.



More info: https://www.mdpi.com/journal/water/special_issues/Aquifer_Recharge



Future book. Invitation to contribute. Artificial recharge to groundwater and rainwater harvesting: issues and learning from the developing countries

ARTIFICIAL RECHARGE TO GROUNDWATER AND RAIN WATER HARVESTING: ISSUES AND LEARNING FROM THE DEVELOPING COUNTRIES

Call for Contributions

ABOUT THE MONOGRAPH

lobally, groundwater is one of the most critical natural resources. With its contributions to agriculture, potable water supply, industries and its immense economic and ecological importance, this resource plays a great role in meeting the Sustainable Development Goals (SDGs). Supporting billions of small and marginal farmers around the world, it acts as a hedge against water insecurity, drought, food vagaries, and water borne diseases. The relatively higher resilience of groundwater against the onslaught of climate change is widely accepted. Rainwater harvesting and Artificial Recharge is considered as the key supplyside intervention to sustain the resilience of water and food security of communities around the world. The rationale is to recharge and store more water underground for enhanced and sustained water access by plants, ecosystems, and

people. Storing water in soil and aquifer protects the resource from accelerated evaporation due to temperature rise under climate change. It is relatively cheap to implement, and obviates relocation of people from the flooding areas in case of major dams.

Many practices linked to these two technique (artificial groundwater recharge and rain water harvesting) are on trial around the world. The knowledge on trial around the world. The knowledge accumulated and the innovations adopted are reported to produce better outcomes. The impact of these interventions The impact of these interventions on sustaining, and in many cases, rejuverabing the groundwater resource are encouraging. However, success depends on wide ranging factors like biophysical, technical, agricultural, ecological, socio-economic, institutional and legal issues. Having strong ownership and engagement with local communities and stakeholders

is the key issue. The interventions need to be integrated into broader water, land and ecosystem management policies and practices.

The Proposed monograph presents success stories and challenges encountered, science and technology being adopted, and the socio-economic impact created by rainwater harvesting and artificial recharge in developing countries of the world. Government supported initiatives through policymaking, regulation and ongoing Government supported initiatives through policymaking, regulation and ongoing large projects from different countries are showcased in this monograph along with community driven approaches. The roadmap for enhancing benefits from such interventions, particularly in water-stressed regions of emerging economies, located in different climatic, geographical and geologic regions, will also be discussed.

■ ABOUT THE NAM S&T CENTRE

The Centre for Science and Technology of the Non- Aligned and Other Developing Countries (NAM SET Centre), New Delhi is an Inter-governmental Organization with a Membership of 47 countries spread over Asia, Africa, Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India in pursuance of the decisions of various NAM Summits with the objective of promoting mutually beneficial cooperation among the NAM and other developing countries for collective self-reliance.

The Centre undertakes a variety of programmes, including organization of International Workshops, Conferences and Training Courses, and implementation of Collaborative S&T Projects. It also of Collaborative S&T Projects. It also offers short term Research Fellowships to Scientists and Technologists from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out books, monographs and other scientific publications in different subjects that are of interest to developing countries. The Centre's activities provide opportunity

for scientist—to—scientist contact and interactions, familiarizing participants or the latest developments and techniques in the subject areas, identification of in the subject areas, identification of the requirements of training and expert assistance, locating technologies for transfer between the Members and other developing countries, and dissemination of STI information etc. In addition, the Centre encourages Academic- R&D-industry interactions in the developing countries through its NAM S&Tindustry Network.



Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)

Core-6A, 2nd Floor, India Habitat Centre, Lodhi Road, New Delhi-110003, India. Tel: +91-11-24645134, 24644974 Fax: +91-11-24644973 E-mail: namstcentre@gmail.com Website: http://www.namstct.org

IN ASSOCIATION WITH







Thank you Drs. Dipankar and Vilholth for reporting.

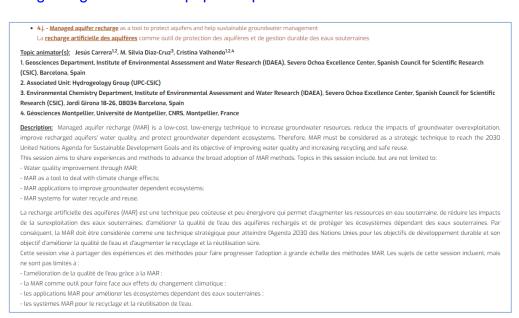


MAR-related CONFERENCES

Groundwater, key to the sustainable development goals conference will have a MAR session (4j).



Managed aquifer recharge (MAR) is a low-cost, low-energy technique to increase groundwater resources, reduce the impacts of groundwater overexploitation, improve recharged aquifers' water quality, and protect groundwater dependent ecosystems. Therefore, MAR must be considered as a strategic technique to reach the 2030 United Nations Agenda for Sustainable Development Goals and its objective of improving water quality and increasing recycling and safe reuse... Read more: http://www.gw-sdg2022.fr/index.php/en/topics



http://www.gw-sdg2022.fr/index.php/en/organisation

MAR-related COP26 Events on Groundwater

COP26 Events on Groundwater have components of MAR included.



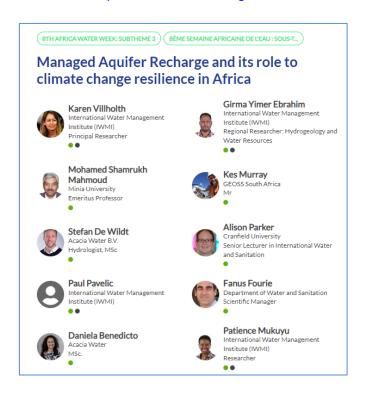


https://gripp.iwmi.org/2021/11/02/gripp-at-cop26-groundwater-the-missing-piece-in-the-adaptation-puzzle-2/

8th African Water and Sanitation Week. 22 - 26 November 2021. Results: video

The African Water and Sanitation Week for 2021 included a session titled Managed Aquifer Recharge and its role to climate change in Africa, and features speakers from Acacia Water, Department of Water and Sanitation, International Water Management Institute (IWMI), Minia University, Cranfield University and GEOSS South Africa (Pty) Ltd.

https://africawatersanitationweek.pathable.eu/meetings/virtual/5QRY6C9bDANxMw3mK



Requires sign-in. Thank you Kess Murray and Karen G. Villholth for reporting



MORE ACTIONS

Whatsapp group on Aquifer Recharge Management

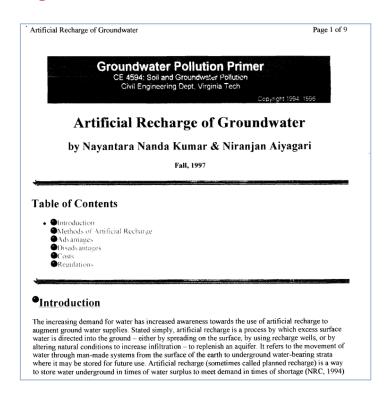
The previous QR code to join the group has been reset due to the intromission of trolls.



This is the new one: https://chat.whatsapp.com/BxYZq7wERpc7nDeTRIYN63

Please do not share it with outsiders.

Old publications on MAR (another drop of nostalgia...). Artificial Recharge of Groundwater, 1994

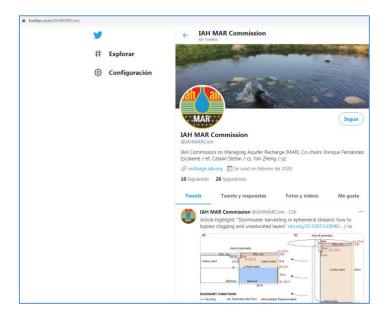


https://leg.mt.gov/content/Committees/Interim/2005_2006/environmental_quality_council/meetings/minutes/eqc09112006_ex20.pdf



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



Previous IAH-MAR Newsletters

Please, remember that you can access the previous newsletters in our website: https://recharge.iah.org/newsletters

And that's all by now... please, keep reporting (dinamar@tragsa.es).

Thank you very much for your kind attention Best regards

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

2022 January 31th







@IAHMARCom



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.

Sister sites:





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



https://dinamar.tragsa.es/







