

International Association of Hydrogeologists Commission on Managing Aquifer Recharge



**International Association
of Hydrogeologists**

the World-wide Groundwater Organisation

**IAH Commission on
Managing Aquifer Recharge**

IAH-MAR REPORT OF ACTIVITIES 2025

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<https://recharge.iah.org/>

Sister Websites:

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

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



Report of activities by IAH-MAR co-chairs and commission members in 2025

(at least one IAH-MAR member has participated in the reported activities)

Important to note: by the end of 2025, 367 members formed part of the [IAH-MAR Forum and data base](#), recipient of the messages [emailed from Flinders Univ.](#) These members constitute the “**official MAR family**”. The data-base is under the tight custody of Peter Dillon and Enrique Fernández Escalante. Every activity in the Forum is moderated.

Major events

- **ISMAR 12 conference. Stellenbosch, South Africa**

The 12th International Symposium on Managed Aquifer Recharge. “From Theory to Implementation and Operation”. 28 April – 2 May 2025 – Stellenbosch, South Africa.

The main theme “From Theory to Implementation and Operation” places the focus on the latest research, implementation of MAR sites and the practicality of operating MAR schemes.



The 8 Sub-themes cover multiple aspects in the field of MAR in the domestic/municipal, agricultural, and mining sectors. Oral and Poster presentations, multiple workshops and social interactions will allow the delegates to present innovative solutions and discuss pressing societal challenges.

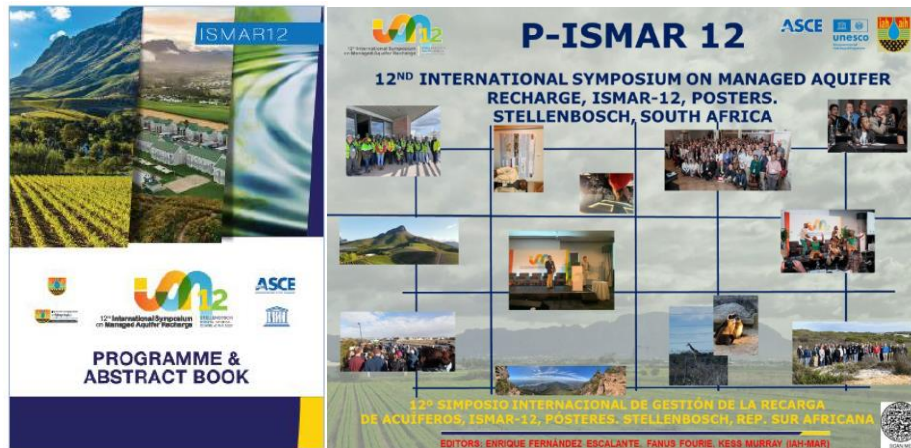
The symposium counted on 184 delegates from 30 countries (60% from outside South Africa), 11 exhibitors, 8 technical sessions, 108 oral presentations, 15 posters, 3 keynote presentations, side events, four first day short courses, five



additional workshops, two panel discussions, three technical field trips, and plenty of knowledge.

Organised by the IAH South Africa National Chapter and IAH-MAR Commission.

More Info: <https://recharge.iah.org/ismar/ismar12>



Materials to download: [Programme](#), [executive summary](#), [abstract book](#), [mini-book of posters](#), [field trip guides](#), and photo-album.



- **IAH-MAR Commission plenary during ISMAR 12. In-person, 2025 April 30th.**

The aim of the meeting was to provide an update on the activities of the commission and to facilitate the communication and exchange of ideas among the MAR community members. <https://recharge.iah.org/recent-iah-mar-plenaries>



Plenary presentation: https://recharge.iah.org/files/2025/05/IAH-MAR-Commission_plenary-ISMAR12.pdf

Five certificates of appreciation were given to prominent MARers:

- Alice Aureli (France)
- Declan Page (Australia)
- Fanus Fourie and ISMAR 12 team (South Africa)
- Petri Jokela (Finland)
- Roberto Navarro Venegas (Peru)

<https://recharge.iah.org/certificates-of-appreciation>



Chairman and ISMAR 12 team Award. Nicolette Vermaak awarding Declan Page

ISMAR 13 will be in **India in 2028**.



 **Indian National Chapter of
International Association of Hydrogeologists
(INC-IAH)**
Proudly Announces the Hosting of
ISMAR-13
(2027-2028)
REQUEST YOUR VALUED PARTICIPATION & SPONSERSHIP

Dear Esteemed Colleagues and Valued Sponsors
I am happy to bring to your kind attention that the Indian National chapter of International Association of Hydrogeologists (INC-IAH), is committed to organize ISMAR 13 during 2027-2028 in India with your valued cooperation and support.
The INC-IAH extend
WARMEST INVITATION TO YOU ALL
for participation and sponsorship opportunities at the upcoming "International Symposium on Managed Aquifer Recharge-13" (ISMAR 13).

International Symposia on MAR

 **International Symposia on MAR**

1. 1988 Anaheim California, USA (ASCE)		
2. 1994 Orlando, Florida, USA (ASCE)		
3. 1998 Amsterdam, Netherlands (IAH, ASCE & UNESCO)		
4. 2002 Adelaide, Australia	"	
5. 2005 Berlin, Germany	"	
6. 2007 Phoenix, Arizona, USA	"	
7. 2010 Abu Dhabi, UAE	"	
8. 2013 Beijing, P.R. China	"	
9. 2016 Mexico City, Mexico	"	
10. 2019 Madrid, Spain		
11. 2022 Long Beach, CA, USA		
12. 2025 Stellenbosch, S. Africa		



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- **Meeting of ISMARs organizers**

On May 1st took place an informal meeting of the present ISMAR previous and on-going organizers.



6/12 previous ISMAR chairmen and chairlady met, to share some experiences and pose for a picture together. Although two photos were taken, even the first did not resulted very serious ☺.

ISMARS' chairmen / chairlady list*:

1. Ivan Johnson, D.J. Finlayson
2. David Pyne
3. Theo Olsthoorn
4. Peter Dillon and Russell Martin
5. Francis Luck and Martin Jekel
6. Doug Bartlet
7. Martin Draeger
8. Wang Weiping and Yan Zeng
9. Adriana Palma Nava
10. Enrique Fernández Escalante
11. Adam Hutchinson
12. Fanus Fourie & Kess Murray

**Each ISMAR had an organising committee, and names of some of the key people are listed, with apologies for any omissions.*

- **ISMAR's PHOTO ALBUM**


Photographs from all ISMARs have been gathered and shared in a photo-album, with contributions of many members in the MAR tribe.

The three first editions required the help of veterans, such as David Pyne, Mario Lluria, Peter Dillon, etc. At the moment, we have not been able to obtain any photo from ISMAR 1, Anaheim, USA, 1988.



Photo-album of the whole ISMAR series. IPRs.

License:
CC BY-NC



You are free to:

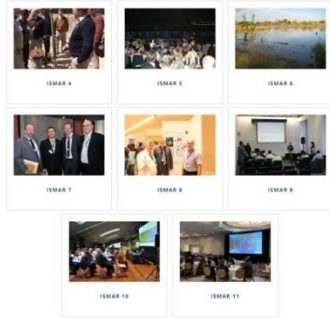
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- Adapt** – remix, transform, and build upon the material

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The link to Google photos is at the bottom of each ISMAR post.
<https://recharge.iah.org/ismar>

e.g. for ISMAR 10: <https://photos.app.goo.gl/9AQfFJHF1Rgy7XCy9>
 ISMAR 11: <https://photos.app.goo.gl/aEJu3bqLiqLXma1W9>
 ISMAR 12: <https://photos.app.goo.gl/ifdbHpv77NSA1trW8>

Relevant publications with IAH-MAR members' participation.

- **European Guidelines document on MAR from the Common implementation Strategy (CIS), working group on groundwater.**

Finally, after a long journey, the European Commission, through the CIS groundwater group, has released the final version of the MAR guidelines document.





This technical document has been developed through a collaborative framework (the Common Implementation Strategy) involving the Member States, European Free Trade Association countries, and other stakeholders, including the European Commission. The document reflects the informal consensus position on best practice acknowledged by the EU Water Directors. However, the document does not necessarily represent the position of any of the partners.

MAR EC CIS document access:

<https://euagenda.eu/publications/managed-aquifer-recharge-mar-common-implementation-strategy-for-the-water-framework-directive-and-the-floods-directive>

- **IAH Technical insight Series. Co-MAR yellow sheet**

The IAH have published the Yellow Sheet for the TIS series entitled: Co-Managed Aquifer Recharge (Co-MAR), (15 pg).



IAH TIS access: https://iah.org/education/professionals/technical_insight_series

- **Declaración de Santa Cruz de la Sierra sobre la siembra y cosecha de agua (in Spanish)**

El encuentro sobre Siembra y Cosecha de Agua, celebrado en Santa Cruz de la Sierra (Bolivia) el día 10 de febrero de 2023, en la sede de la Agencia Española de Cooperación Internacional para el Desarrollo (AECID) de dicha ciudad, y las posteriores reuniones de trabajo de las coordinadoras y coordinadores nacionales de la Red “Siembra y Cosecha de Agua en Áreas Naturales Protegidas” del



Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo en Iberoamérica (CYTED) han permitido emitir la siguiente Declaración...

More Info and download from IAH-GE site: https://www.iah-ge.org/wp-content/uploads/Declaracion_Santa_Cruz.pdf

- **Sembrando agua, conservando la Tierra (in Spanish)**

...Knowledge of the hydrological cycle, as we understand it today, did not begin to take shape until the eighteenth and nineteenth centuries. In fact, in Classical Antiquity and well into the seventeenth century, it was widely believed that the salt water of all known seas filtered through sinkholes in the ocean floor, traveled underground while losing its salt, and then reemerged in the mountains as springs, driven by subterranean vapors...



Download: http://libros.csic.es/product_info.php?products_id=1953

- **ISMAR 12's Special issue on Journal Groundwater for Sustainable Development**

Managed Aquifer Recharge (MAR): From Theory to Implementation and Operation

Managed Aquifer Recharge (MAR) has become a key strategy for sustainable groundwater management. By intentionally storing excess water in aquifers, MAR helps augment domestic water supplies, enhance water availability for irrigation, and support groundwater-dependent ecosystems. It mitigates groundwater overexploitation and provides a buffer against variability in surface water resources, thereby increasing communities' resilience to droughts and climate change. This special issue aims to bridge the knowledge gap between MAR theory, implementation, and operation by presenting innovative research, real-world case studies, and practical insights for scientists, practitioners, and policymakers dedicated to building resilient and sustainable water systems.



CALL FOR PAPERS

MANAGED AQUIFER RECHARGE (MAR): From Theory to Implementation and Operation

SUBMISSION DEADLINE: 05 MARCH 2026

Managed Aquifer Recharge (MAR) has become a key strategy for sustainable groundwater management. By intentionally storing excess water in aquifers, MAR helps augment domestic water supplies, enhance water availability for irrigation, and support groundwater-dependent ecosystems. It mitigates groundwater overexploitation and provides a buffer against variability in surface water resources, thereby increasing communities' resilience to droughts and climate change. This special issue aims to bridge the knowledge gap between MAR theory, implementation, and operation by presenting innovative research, real-world case studies, and practical insights for scientists, practitioners, and policymakers dedicated to building resilient and sustainable water systems.

GUEST EDITORS:

			
Catalin Stefan, PhD, Technische Universität Dresden, Dresden, Germany	Nicolette Vermaak, PhD, Council for Scientific and Industrial Research, Pretoria, South Africa	Karen G. Villholth, PhD, Water Cycle Innovation, Aalborg, Denmark	Enrique Fernández Escalante, PhD, Empresa de Transformación Agraria SA, Madrid, Spain

More info and call for papers: <https://www.sciencedirect.com/special-issue/324709/managed-aquifer-recharge-mar-from-theory-to-implementation-and-operation>

- **Aquifer Recharge Potential Mapping Process Document (Version 2025.2 - Draft)**

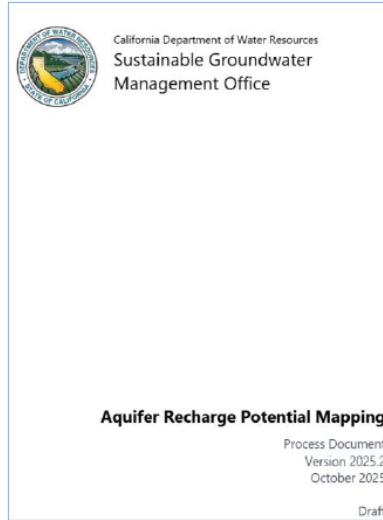
This Aquifer Recharge Potential (ARP) Process Document describes the datasets and analyses used to create ARP maps. ARP maps identify locations that have relatively higher potential for managed aquifer recharge (MAR) and are intended as a screening tool. MAR is a common conjunctive use management strategy where water is intentionally infiltrated from the land surface or directly injected into an aquifer for replenishment, later extraction, or long-term water resource management.



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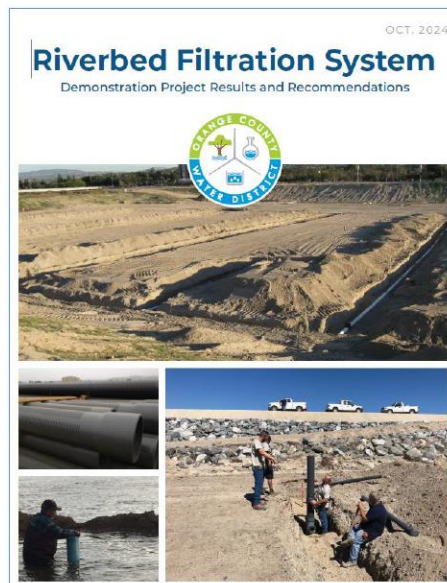
Download:

https://data.cnra.ca.gov/dataset/dwr-basin-characterization/resource/7d33d618-38bc-4511-834c-6e791695f8e2?utm_medium=email&utm_source=govdelivery

Other relevant publications

- **Orange County Water District. Riverbed Filtration System. Demonstration Project Results and Recommendations. Already on line...**

Clogging due to the accumulation of suspended solids is a constraint that limits the capacity of the Orange County Water District's (OCWD) surface water recharge system...





Download:

https://www.ocwd.com/wp-content/uploads/Riverbed-Filtration-System-Proj-Results_Recommendations_October-2024-w-Cover.pdf

Conferences with IAH-MAR members' participation.

- **IGWC 2025 conference. Groundwater vision 2047. 2025 March 5-7**

... The role of groundwater in contributing to water security and searching solutions for its conservation and sustainable management at present will play a crucial role to meet water demands of the population in future under a changing climate and to ensure food and water security for both the developed and developing countries...

Scientific Themes

- IMPACT OF CLIMATE CHANGE ON GROUNDWATER AND ADAPTATION MEASURES
- ENVIRONMENTAL FLOW AND REJUVENATION OF RIVER GANGA
- MOUNTAIN HYDROLOGY AND SPRINGHEED MANAGEMENT
- WATER RESOURCES IN ARID AND SEMI-ARID REGIONS
- GROUNDWATER CONTAMINATION AND REMEDIATION
- GROUNDWATER MODELING AND MANAGEMENT
- ADVANCED TECHNIQUES FOR GROUNDWATER EXPLORATION AND ASSESSMENT
- AUGMENTATION OF GROUNDWATER RESOURCES
- COASTAL WATER RESOURCES MANAGEMENT
- APPLICATION OF AI, ML, IOT, CLOUD COMPUTING AND OTHER ADVANCED TECHNOLOGIES IN GROUNDWATER
- POLICY, REGULATION AND GOVERNANCE FOR GROUNDWATER MANAGEMENT
- VADOSE ZONE HYDROLOGY AND AGRICULTURE WATER MANAGEMENT
- PROTECTION OF GROUNDWATER DEPENDENT ECOSYSTEMS - RIVERS, WETLANDS, LAKES AND SPRINGS
- ISOTOPIC TECHNIQUES IN GROUNDWATER INVESTIGATIONS AND MANAGEMENT

IGWC 2025 INTERNATIONAL GROUNDWATER CONFERENCE
Groundwater Vision 2047:
Towards Water Security Under
Changing Climate
Let's Meet in Roorkee!

MARCH 5-7, 2025
ROORKEE, INDIA

Top Ten Reasons to Join Us

- Learning what the top experts say
- Sharing your research
- Networking opportunities abound
- Case studies and real life examples
- Chance to promote your innovative technology
- Key note presentations and a panel of international groundwater experts
- Exposure to latest emerging techniques
- Be a participant in planning water security for future
- Contribute your bit for groundwater science
- Tours and social programs

Organized by
National Institute of Hydrology, Roorkee, India
(Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation)

in association with

Logos of partner organizations: IAH, AIH, BGS, HTWD, KTH, etc.

MAR was distributed among several themes of the conference, and especially at: *Augmentation of groundwater resources.*

- **Conference on nature-based solutions for groundwater management. March 18th (In Spanish)**

1st Conference on nature-based solutions for groundwater management. Taking advantage of the World Water Day celebrations, the event will feature 12 speakers who will explain their experience in different types of natural solutions such as aquifer recharge, green filters, forestry management, wetlands, etc.

1 JORNADAS DE SOLUCIONES BASADAS EN LA NATURALEZA PARA LA GESTIÓN DEL AGUA SUBTERRÁNEA - Proyecto WaSHa

Martes, 18 de Marzo de 9:00 a 15:00

Salón de actos de la Conf. Hidrog. Tajo

Avd. Portugal 81, Madrid

INSCRIPCIONES

QR code for registration



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The conference was held in Madrid, in the auditorium of the Confederación Hidrográfica del Tajo on Tuesday 18 March, from 9:00 to 15:00 (CET). IAH-GE led the organization.

Information: <https://aih-ge.us15.list-manage.com/track/click?u=fe661c111de3ac90597ac7878&id=45738751f6&e=9bc3072c4b>

- **NGWA MAR Symposium. Denver, Colorado, USA. September 23-24, 2025**

Managed Aquifer Recharge (MAR) Conference Program available - all you water supply resilience proponents out there, the September 23-24, 2025 NGWA MAR Symposium Program is posted - there are also Sept 22 workshops and Sept 25 MAR field trips planned.



More info:

<https://ngwa.confex.com/ngwa/mar25/meetingapp.cgi/Home/0>

- **IAH-MAR had a specific session in IAH 2025 congress**

Joanne Vanderzalm chaired a special session on MAR on 18 Sept containing 8 papers: <https://iah2025congress.com/program/>



More info: <https://iah2025congress.com/>

Download the abstracts book (18 abstracts include MAR in the title).
<https://drive.google.com/file/d/1Fqy9F5xkRT63YCBqhCUKuLWuqVm030XO/view>



- **VII Congreso Nacional del Agua. 2025. CONA 7. Ica, Peru (in Spanish)**

November 4-8. “Según el Informe ONU agua del 2024, “Actualmente casi la mitad de la población mundial sufre escasez de agua al menos durante parte del año. Una cuarta parte de la población mundial se enfrenta a niveles de estrés hídrico extremadamente altos y utiliza más del 80% de su suministro renovable anual de agua dulce. Y se prevé que el cambio climático intensifique el ciclo hídrico global y que siga aumentando la frecuencia y la gravedad de las sequías e inundaciones”...



Several presentations on MAR in Ica, Peru, where an intense MAR activity takes place since 2012, with about 854 infiltration ponds.

More info: <https://vii-cona-peru-2025.com/>

Seminars and webinars

- **A relevant step. IAH-MAR Webinar series**

During 2025 the IAH-MAR co-chairs have organized a series of webinars. Nine sessions were imparted with the participation of about 20 MARers.

The information and presentations given by authors are included at: <https://recharge.iah.org/online-mar-seminars>

The key messages of each slot have been gathered in a publication called FINAL AUTHORS STATEMENTS <https://recharge.iah.org/files/2025/12/authors-final-statements.pdf>

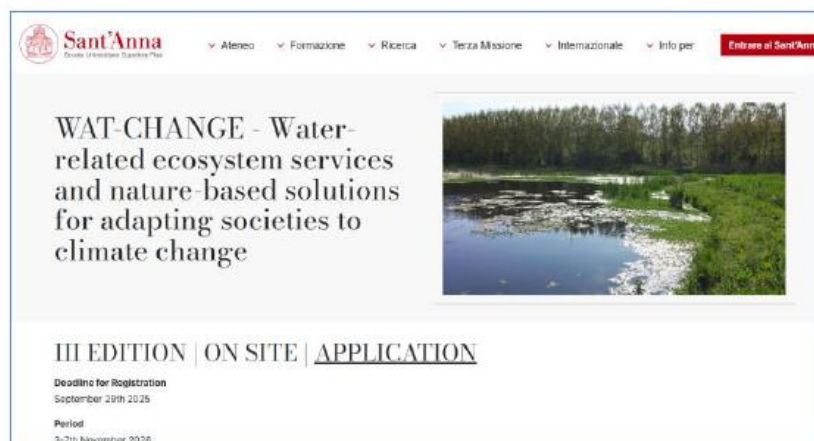
A video has also been assembled with the whole contributions and screen captures from the whole series. It has been **published in YouTube**: <https://www.youtube.com/watch?v=A7Np134mKS0>



The activity will persist quarterly during 2026.

- **2025 Seasonal School WAT-CHANGE**

Hybrid workshop will be about NbS and MAR organized by Santa Anna school in Pisa, Italy.



- **Webinar on MAR organized by IAH Mexican chapter. May 19th (in Spanish)**

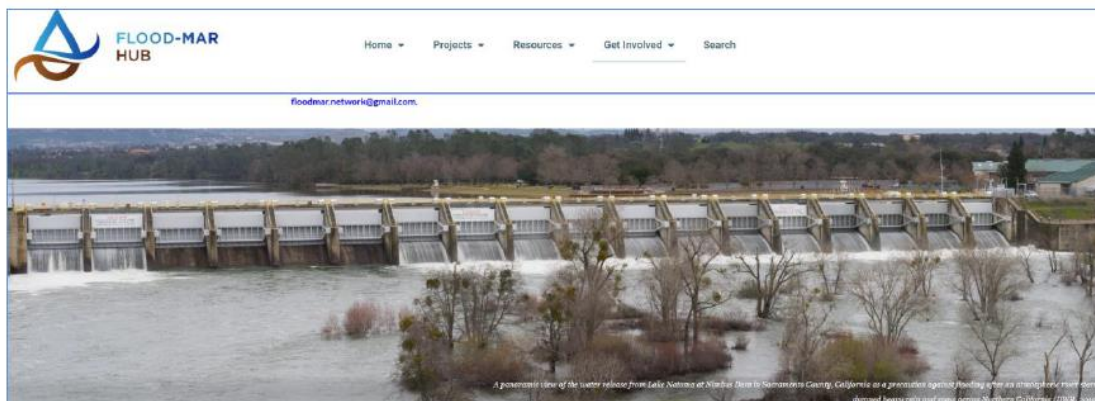
4º Webinar IAH Capítulo México del Ciclo 2023-2024
"Recarga Gestionada de Acuíferos"



Recorded and available at: https://www.youtube.com/live/Ych78-V_oKg

- **Flood-Managed Aquifer Recharge (MAR) network on Wednesday, June 4 from 12:30 to 1:30 pm**

Organized by California Department of Water Resources on an innovative project to remove suspended solids from river water prior to recharge.



More info:

https://floodmar.org/get-involved/?utm_medium=email&utm_source=govdelivery#events

Publication

https://cfpub.epa.gov/si/si_public_record_report.cfm?dirEntryId=352238&Lab=CPHEA&simplesearch=0&showcriteria=2&sortby=pubDate&searchall=enhanced+aquifer+recharge&timstype=&datebeginpublishedpresented=08/19/2019

webinar

<https://www.epa.gov/water-research/introduction-epas-enhanced-aquifer-recharge-research-webinar>

- **Seminars on IWRM and MAR in Peru, June 2025 (in Spanish)**

Los días 3 y 4 de junio de 2025, la Autoridad Nacional del Agua de Perú (ANA-Perú), en coordinación con la CODIA, llevó a cabo el foro "Gestión Sostenible de Aguas Subterráneas en Iberoamérica", con objeto de facilitar la capacitación y el intercambio de experiencias entre los técnicos y gestores regionales en materia de

Programme: <https://dinamar.tragsa.es/post/gestion-sostenible-de-aguas-subterraneas-en-iberoamerica-03-y-04-de-junio-2025-de-9-00-a-12-00-gmt-5>



More info: <https://dinamar.tragsa.es/post/gestion-sostenible-de-aguas-subterraneas-en-iberoamerica-03-y-04-de-junio-2025-de-9-00-a-12-00-gmt-5>

Cerca de 500 personas asistieron al evento. En el siguiente link encontrará la grabación de las ponencias de ambos días (Autoridad Nacional del Agua).

<https://www.swisstransfer.com/d/5594a7a5-c8b4-432d-b316-d8f883ad74d1>

- **ALHSUD Capítulo Chileno. Webinar sobre recarga gestionada de acuíferos en Chile. 25 de junio (in Spanish)**



More info: <https://alhsudchile.wixsite.com/alhsudchile/copia-de-segundo-webinario-2025>

Previous ALHSUD webinars:
https://www.youtube.com/channel/UCqPuBvF_IKWIfkZTfKp0gA/videos

- **Flood-MAR Forum 2025**

WEDNESDAY NOVEMBER 5, 2025 9:00 – 5:00 pm + Happy Hour	
Registration & Informal Networking <i>Informal time to connect, settle in, and grab refreshments.</i>	8:15 am
Welcome to the Forum: Grounded in Success, Growing Toward the Future	9:00 am
The Flood-MAR Network Story: Roots, Growth, and New Horizons Get grounded in the history and evolution of the Flood-MAR Network. This session will connect the dots between foundational efforts, emerging partnerships, and the momentum building toward California's water resilience.	9:10 am
Trailblazers: Reflections from Flood-MAR Influencers Hear reflections from leaders whose vision helped shape the Flood-MAR movement. Learn from their experiences, celebrate their achievements, and gather insights to guide the next generation.	9:30 am
Visions for the Future: Your Hopes for Flood-MAR Share your aspirations for the future of Flood-MAR. Through a collaborative activity, we'll begin to build a collective vision for the path ahead.	10:20 am
Break Snack & Coffee	10:35 am
On the Ground: Lessons from Flood-MAR Implementers Hear directly from early and more recent adopters of Flood-MAR across California. This two-part session will spotlight successes, innovations, and lessons learned from years of practical experience.	10:50 am
Part 1: Early Adopters	
Part 2: More Recent Adopters	11:20 am

More info: https://www.linkedin.com/posts/adam-hutchinson-pg-chg-6891b89_flood-mar-forum-agenda-2025-activity-7355751356739018752-qG5Q?utm_source=share&utm_medium=member_desktop&rcm=ACoAAATbUsYBniGYw-D82SCFUMAchFrpT-xO20k



- **Nature based solutions and MAR hybrid workshop. November 5th**

Hybrid workshop on Nature Based Solutions and MAR on 5th November 14.30-18.30 CET in Pisa, Italy.



Time	Speaker	Presentation title	Affiliation
14:00		Participant Registration	
14:15	Rudy Rossetto	Welcome and workshop introduction. Managed Aquifer Recharge: a kind of water-related Nature-based Solution	Scuola Superiore Sant'Anna IAH MAR Commission (Italy)
		Session 1	
14:35	Daniela Benedicto Van Dalen	Presentation of the IAH Nbs and MAR Community of Practice Integrating Nature-Based Solutions into the WASH Systems: few examples of improved water security in the African semi-arid	Acacia Water - IAH MAR Commission (Netherland)
14:55	Mara Meggiorin	MAR Solutions in Veneto - Ensuring Safe Groundwater Replenishment through Infiltration Basins and Long-Term Monitoring	Ramboll Italy
15:15	Anne Schultze	Quantifying Groundwater-dependent Ecosystem Services provided through Managed Aquifer Recharge	Technische Universität München (Germany)
15:30	Andrea Gigliuto	Water from Scarcity to Strategy. Unlocking the Strategic Value of Water in a Changing World	ERM Italy
15:50	Elfithri Rahmah	UNESCO Ecohydrological Nature based Solutions within the IHP-IX	UNESCO Intergovernmental Hydrological Programme
16:10		Networking Coffe Break	
		Session 2	
16:40	Niels Mulder	Aquifer Storage and Recovery for sustainable banana production in the Magdalena region, Colombia	Deltares (Netherland)
16:55	Ivan Portoghese	A simplified model to investigate the hydrological regimes of temporary wetlands: the case study of Doñana marshland (Spain)	IRSA-CNR (Italy)
17:15	Lea Augustin	Coupling stormwater protection and water supply for hop gardens: First results from a pilot plant	Technische Universität München (Germany)
17:30	Giacomo Vescovo	Restoring Nitrate-Contaminated Aquifers: Evaluating Managed Aquifer Recharge, Nature-based Solutions and Fertilizer Reduction Strategies in an Irrigated Agricultural District (Spain)	Scuola Superiore Sant'Anna (Italy)
17:50		Final discussion	
18:15		Workshop conclusions	

- **CETAQUA has organized a workshop on MAR**

Post in Linked-in about CETAQUA-CEHIUMA workshop involving a large bunch of MAR-related European projects.



https://www.linkedin.com/posts/cetaqua_cehiuma-acosol-aguaregenerada-ugcPost-7400130155924570112-helm/?utm_source=share&utm_medium=member_desktop&rcm=ACoAAATbUsYBniGYw-D82SCFUMAchFrpT-xO20k

Courses, lectures

- **From the Desk of the CTA – CMDA Project Update. Workshop at Can Tho University's Dragon Institute**

On 12 February 2025, Bob Bower, CMDA Chief Technical Advisor for IUCN, travelled with Minh Le Viet (National Coordinator) and Thu PHAM Thi Minh Thu (CMDA Administrative Leader) to Can Tho University's Dragon Institute, located on the Vietnam side of the Cambodia-Mekong Delta Aquifer (CMDA) area. This visit included a workshop-style meeting to discuss sustainable groundwater management and the 16

critical role of Managed Aquifer Recharge (MAR) in addressing groundwater depletion, saline intrusion, and ecosystem impacts in the transboundary aquifer shared by Vietnam and Cambodia.





- **EUTOPIA Groundwater Workshop and Conference on Managed Aquifer Recharge 2025**

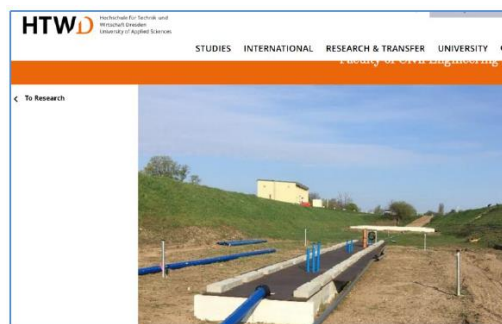
TU Dresden will organize a three-days event on MAR between 12-14 March in Dresden, Germany. The meeting is organised in collaboration with VUB, Belgium, as part of the EUTOPIA University Alliance, a collaborative network of European and global partner universities co-funded by European Union aiming to develop a new model of higher education through transnational cooperation.



The event in Dresden includes a two-days training course in numerical modelling of MAR using the web-based INOWAS platform (www.inowas.com), followed by a one-day roundtable discussion about tools, methodologies and indicators for assessing the holistic societal impact of MAR.

- **Six different courses were imparted during ISMAR 12.**
- **6th International Summer School on MAR in Dresden**

The one-week “6th International Summer School on Managed Aquifer Recharge” (MARISS) will be organised by the Division of Water Sciences at the University of Applied Sciences in Dresden, Germany, in collaboration with the TU Dresden and partners of the MENAWAT project either in the calendar week 34 or 36. It will be the next summer school in the MARISS series of summer schools organised in Dresden after 2023.



- **Seasonal School WAT-CHANGE in Pisa on November 3rd-7th, 2025.**



This week-long, 40-hour seasonal school delivers an engaging combination of expert lectures, laboratory sessions, and fieldwork which help you to transform knowledge into real-world solutions.

You will Learn how water-related ecosystem services and nature-based solutions like managed aquifer recharge, river restoration, and wetlands can tackle climate change challenges.

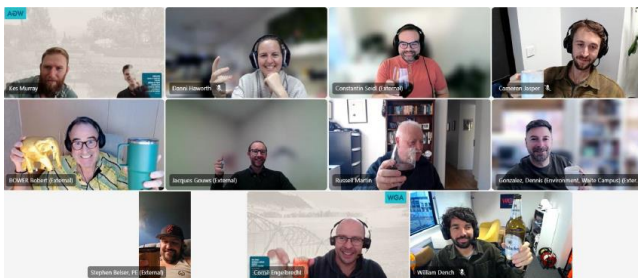


For more info, please visit: <https://www.santannapisa.it/en/node/311945>

Others

- **IAH-MAR Commission, mandate 2021 – 2026. Annual report of activities.**
 - Submission of report of activities for 2024 (2025 February). <https://recharge.iah.org/files/2025/02/IAH-MAR-Annual-Report-2024.pdf>
- **A toast for the 50th Newsletter Bulletin for IAH Commission on MAR.**

Celebrating our 50th newsletter with a toast around the world. Thank you MARers for joining together somehow and keeping up the MAR-related activities. Our call for a toast was celebrated in the five continents, let’s keep moving...



First zoom meeting 16 h. Australia, New Zealand, Singapore, USA, South Africa



Second zoom meeting 16 h. South Africa, Spain, USA, Mexico, Sweden



- **New analysis of costs and benefits of MAR (call for action)**

Andrew Ross has begun the call for contributions to new analysis of costs and benefits of MAR projects.

MAR and water banking are now well-established in policy and practice as important instruments for improving water security and resilience to droughts and floods. However, uncertainty about the economics of MAR continues to be a barrier to adoption. There are significant gaps in the analysis of costs and benefits of MAR

Please, contact Andrew for this topic.

- **CoP MAR-NBS (call for action)**

A global community advancing sustainable groundwater management through MAR and Nature-Based Solutions.

The kick-off of the new Community of Practise (CoP) about Nature Based Solutions and MAR has taken place last October 8th, 2025.

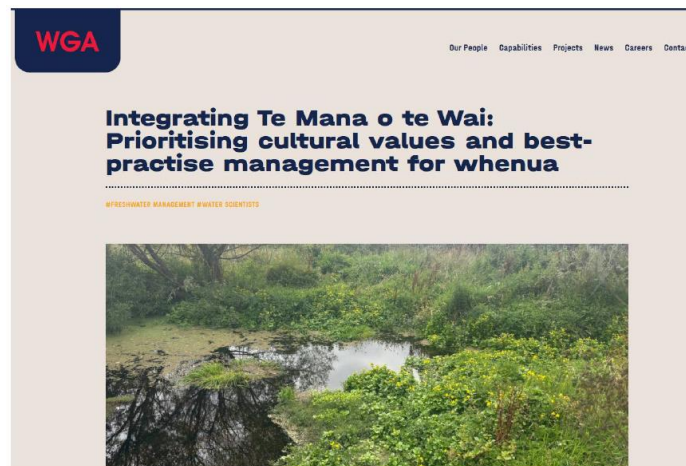
This community of practice had kicked off during ISMAR 12, and it aims to consolidate expertise in MAR and NBS by providing a collaborative platform for hydrogeologists and related professionals to share knowledge, develop innovative strategies, and strengthen global collaboration.

The second online meeting took place on Dec 12th.

For more information, visit the site: <https://recharge.iah.org/managed-aquifer-recharge-mar-and-nature-based-solutions-nbs-cop>

- **WGA celebration on the Te Ao Māori and value, people and communities**

In a collaborative project based in the wetland area adjacent the Arowhenua Marae wetland area, WGA's water scientists and engineers worked with Te Rūnanga and Boffa Miskell Limited to implement best practices in freshwater management during the conceptual design phase to uphold kaitiakitanga, ensuring environmental 22.



The project aims to enhance the stream and wetland system through integrated approaches including pest control, native planting, channel improvements, and specialised civil and stormwater engineering practices.

Read more about how WGA puts the principles of freshwater management into practice in this project here: <https://wganz.co.nz/news/2025/07/24/integrating-te-mana-o-te-wai-prioritising-cultural-values-and-best-practise-management-for-whenua/>

- **Innovating across borders with Managed aquifer Recharge**

UNICEF's YouTube's video presented in the Nairobi Conference that took place in November:



<https://www.youtube.com/watch?v=IPI6TvNQ6Kw>



Other dissemination activities

- Publication of 8 newsletters during 2025 with MAR-related activities: <https://recharge.iah.org/newsletters>.
- IAH-MAR Commission on Twitter: <https://twitter.com/IAHMARCom>
- WhatsApp group on Aquifer Recharge Management: about 200 participants.



- Various posts on personal LinkedIn pages of Commission's co-chairs.

Note: The list above is a selection of the activities conducted by members and associates of this Commission, and it does not include the exhaustive activities resulted from different projects on managed aquifer recharge, such as R&D project workshops, training courses, field trips etc.

For detailed information, please, consult the newsletters collection of the IAH-MAR Commission: <https://recharge.iah.org/newsletters>.

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