PROGRAM

EIP Water Conference

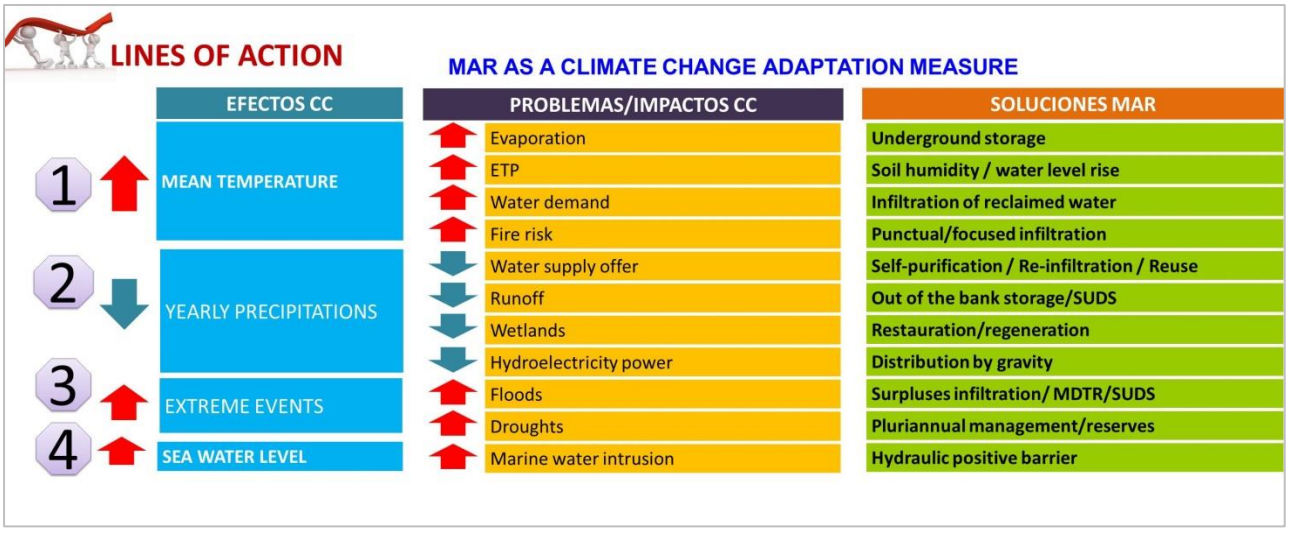
Accelerating action to tackle water pollution and enhance EU preparedness to water-related climate change impacts **#EUWIC**

Wed December 11, 2019, 9:00-13:00

MANAGED AQUIFER RECHARGE AS A REAL CLIMATE CHANGE ADAPTATION MECHANISM. EXAMPLES AND INDICATORS FROM FIVE CONTINENTS

Managed Aquifer Recharge (MAR) has been considered for a long time as an important technology to combat the adverse effects of Climate Change (CC). This is not a gratuitous claim. In this workshop organizers will support this statement on the basis of real sites, indicators and cases located all around the world. MAR is being used in the world in combination with other Integrated Water Resources Management (IWRM) measures to reduce climate change adverse impacts as an adaptation and even mitigation strategy to face up CC challenges. Clear examples will be exposed by the workshop participants. If you are interested in joining the meeting or in more information about the project please contact Enrique Fernández-Escalante or visit the project websites: https://www.marsolut-itn.eu, www.dina-mar.es, https://recharge.iah.org, https://www.ismar10.net/.

Meeting language: English.



Schedule: 9:00 – 13:00 h
Table 1 (9:00 -11:00): Managed Aquifer Recharge as a real Climate Change adaptation mechanism

09:00 – 09:20	**Welcome. Introduction round**
09:20 – 09:35	1. **Why Managed Aquifer Recharge is a successful tool to Climate Change adverse effects adaptation? International examples and indicators.** Dr. Enrique Fernández-Escalante. Tragsa Group; IAH MAR Commission, PTEA, MARSOLut.
09:35 – 09:50	2. **Sand river recharge and storage**. Dr. Tibor Stigter (video). Senior Lecturer in Hydrogeology and Groundwater Resources. The Netherlands. IAH Climate Change Commission.
09:50 – 10:05	3. **Web-based real-time monitoring and modeling of managed aquifer recharge applications**. Dr. Catalin Stefan. Technische Universität Dresden Germany – IAH MAR Commission.
10:05 – 10:20	4. **Academic training in climate change adaptation - example of the international Master's Programme "Groundwater and Global Change - Impacts and Adaptation (GroundwatCh)".** (TBC). Technische Universität Dresden.
10:20 – 10:35	5. **Methodology for developing Managed Aquifer Recharge. An example of implementation in Chile**. Dr. Ester Vilanova & Dr. Jordi Guimerà. Amphos 21 Consulting, Barcelona, Spain.
10:35 – 10:50	6. **How to control groundwater quality degradation in coastal zones using MAR optimized by GALDIT** Vulnerability Assessment to Saltwater Intrusion and GABA-IFI models. Dr. João Paulo Lobo-Ferreira. LNEC, MARSOLut, Portugal.
10:50 – 11:20	**Networking coffee break**

Table 2 (11:20 -13:00): Climate change mitigation strategies related to IWRM

11:20 – 11:35	7. ***Sites and Indicators of MAR as a Successful Tool to Mitigate Climate Change Effects in Spain*.** Dr. Jon San Sebastián / ESR3. Tragsa Group, MARSOLut. Spain
11:35 – 11:50	8. ***Ensuring safe MAR to address water scarcity under the EU Water Framework Directive*.** Dr. Manuel Sapiano. The Energy & Water Agency, MARSOLut. Malta.
11:50 – 12:05	9. ***Nature Based Solution on MAR and climate change alleviation*.** Dr. Elena López Gunn and Dr. Beatriz Mayor. iCatalist. Spain.
12:05 – 12:20	***10. From managed to controlled aquifer recharge: the LIFE REWAT Suvereto MAR scheme (Italy).*** Dr. Rudy Rossetto (TBC). Scuola Superiore Sant'Anna, MARSOLut, Freewat, Italy.
12:20 – 12:50	**Debate**. Chaired by Elena López Gunn & Enrique Fernández Escalante
12:50 – 13:00	**Final conclusions** (ALL)

More info: https://www.eip-water.eu/eu-water-innovation-conference-2019-0



Where:

Palacio de Congresos de Zaragoza
Plaza Lucas Miret Rodriguez, 1, 50018 Zaragoza, Spain

Organizers:

MAR & Climate Change Commissions