

MARSOL



EUROPEAN COMMISSION

7th Framework Programme for
Research, technological
Development and Demonstration

Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity and Drought



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Next MARSOL Workshop

Venice, Italy

June 2016

MAR Economics

MARSOL Workshop

***“Water to Market:
Financial and Economic Analysis
of MAR Solutions”***

incl. field visit to Brenta
demonstration site





MARSOL Training Activities

- **Advanced Study Course (ASC) for academics and young scientists:**
“Managed Aquifer Recharge: Fundamentals and Experiences“
 - Barcelona
 - Sept. or Oct. 2016
 - in-door program + field visit (Lobregat site)



- Concepts of MAR
- Technical solutions
- MAR economics
- Regulatory framework
- Modeling theoretical/practical
- Open forum
- Certificate for all participants



MARSOL Brussels Briefing

Brussels Briefing

Sept. or October tbc

Core partners





MARSOL Final Meeting

Official end of the project: 30.11.2016

Final Meeting

Sept. or October tbc

Germany tba

All partners!



Kick-off meeting, Darmstadt, Jan. 2014



Kick-off meeting, Darmstadt, Jan. 2014



Dissemination Networking

Social/professional Networks



Twitter Account: [MARSOL_EUProject](#)



LinkedIn Group: [MARSOL - Managed Aquifer Recharge Solutions](#)



Facebook Page: [Marsol - Managed Aquifer Recharge](#)



Vimeo [MARSOL Video Channel](#)



Newsletter: please contribute!

Website & Newsletter

MAR SOL MANAGED AQUIFER RECHARGE SOLUTIONS

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Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity and Drought

MARSOL

An Environment 2013 Cooperation Project funded by the European Commission

How can the increasingly scarce resource called water be exploited and used intelligently? The joint project MARSOL is aiming to demonstrate that Managed Aquifer Recharge techniques are able to secure 'excess' water and store it in the soil. The EU is funding the MARSOL project with 5.2 million Euros over 3 years under the WATER-INNO-DEMO scheme.

It is estimated that due to climatic changes only about 50 percent of today's amount of water will be available in the Mediterranean region by 2100 – while the population continues to grow. The lack of water will result in drought and crop losses.

The project consortium will demonstrate that Managed Aquifer Recharge is a viable approach to address the predicted water shortages over the long term. The basic idea is simple: Collect water when there is too much of it and store it for dry times in aquifers. This subsurface storage works even under deserts. Managed Aquifer Recharge can also be utilised to combat sea water intrusion in coastal areas and to give pre-treated waste water a final clean-up.

MARSOL deals with some of the overriding questions concerning the method such as risks, water quality, and technical feasibility, but also the challenges of EU administrative law in the implementation. For this purpose, the project is examining – at eight field sites in Greece, Portugal, Spain, Malta, Italy and Israel – the different specific ways water of varying origins and qualities (such as desalinated sea water, river water, and treated wastewater) can be stored in the ground with different techniques.

The MARSOL consortium consists of 21 partners from six EU countries (Germany, Greece, Italy, Malta, Portugal, and Spain) and one associated country (Israel). The partner institutions cover a wide range of institution types including universities, research institutes, governmental bodies, local authorities, industry, and small/medium enterprises (SMEs). The overall project coordination is done by Darmstadt Technical University, Germany.

MARSOL
Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity and Drought
An EU FP7 Project

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EU CORSES f in

EIP Water
Enabling the water transition

M.A.R. TO MAR-KCT

EU

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RECHARGE

The MARSOL Newsletter • Issue 03

The MARSOL Project

Highlights

- Workshop 2 'Technical Solutions for MAR', Arenales, Spain
- Workshop 3 'Modeling', Pisa, Italy

Upcoming Events

MAR SOL Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity & Drought