



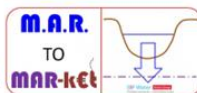
## MARSOL Workshop Technical Solutions for Managed Aquifer Recharge

# MARENALES



**Wednesday, March 11<sup>th</sup> 2015. 10 h.**  
**Centro cultural "Las Fuentecillas", C/ Alta, nº 21 -23. Gomezserracín (Segovia)**  
**Activity to involve groundwater users.**  
**FREE ENTRANCE**

Collaborate:



Ayuntamiento de Alcazarén

Exmo Ayto. de Santiuste de San Juan Bautista

Ayuntamiento de Gomezserracín



This initiative takes place in the framework of "FP7-ENV-2013 **MARSOL** (GA 619.120). *Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity and Drought (WP5)*" with the support of the European Commission, however it reflects the views only of the authors, and the Commission cannot be held responsible of any use which may be made of the information contained therein.

<http://www.marsol.eu/>





*Within the framework of MARSOL project (FP7, Water Innodemo call) are intended activities regarding "Training of project participants' staff, researchers, industry/SMEs, and end users on Managed Aquifer Recharge (MAR) and new developments in this field, to foster knowledge among all project partners and to ensure that the project's RTD and DEMO results effectively reaches the end-users." In this context, the main objectives for this training workshop are:*

- *To expose the technical solutions applied by the partner's expertise regarding each demo-site, studying the applicability to be used in other equivalent environments.*
- *Exposition of successful construction criteria (specific designs, materials...)*
- *Exposition of successful water management criteria, mentioning the "must" as well as the "musn't".*
- *Criteria for cleaning and maintenance of the existing structures lengthening the infiltration capacity and the life-span of the structures.*
- *Other criteria that the expert speakers could include in their presentations regarding technical solutions, benchmarking, indicators and dissemination procedures.*
- *Response to all the questions that could arise along the full workshop.*

*The activity is directed to MARSOL partners, technicians, practitioners, public authorities, farmers and irrigation communities' board, as well as students and the population in general.*

*Important notice: As it is a rural area, speakers will employ a colloquial language in their expositions.*

## FINAL PROGRAM

10:00 – 10:10	<b>Welcome.</b> Mr. Enrique Herranz. ATE. President of the Carracillo Irrigation Community. Chairwoman: Ms. Elvira del Pozo Campos. Agronomic Engineer (TRAGSATEC)
10:10 – 10:30	<b>MAR and water footprint</b> <ul style="list-style-type: none"> <li>• Ms. Elvira del Pozo Campos. Agronomic Engineer (TRAGSATEC)</li> </ul>
10:30 – 10:55	<b>Methodology for probabilistic risk evaluation linked to MAR activities based on fault tree analysis.</b> <ul style="list-style-type: none"> <li>• Dr. Xavier Sánchez Vila. Civil Dr. Engineer (UPC, MARSOL)</li> </ul>
10:55 – 11:15	<b>Practical technical solutions for Managed Aquifer Recharge facilities</b> <ul style="list-style-type: none"> <li>• Dr. Enrique Fernández Escalante. Hydrogeologist (TRAGSA, MAR to MAR-k€t)</li> </ul>
11:15 – 11:35	<b>Urban rain water harvesting and infiltration. Architectonical designs and solutions</b> <ul style="list-style-type: none"> <li>• Mr. Ignacio Prieto Leache. Architect (TRAGSATEC, DINA-MAR)</li> </ul>
11:35 – 12:00	Coffee break
12:00 – 12:20	<b>Low impact MAR activities and benchmarking</b> <ul style="list-style-type: none"> <li>• Dr. Jon San Sebastián Sauto. Biologist (TRAGSATEC, DINA-MAR)</li> </ul>
12:20 – 12:40	<b>MAR, energy efficiency and use of alternative energy systems for irrigation. Tech. solutions</b> <ul style="list-style-type: none"> <li>• Mr. Francisco de Borja González Herrarte. Agronomic Engineer (TRAGSA)</li> </ul>
12:40 – 13:00	<b>ICTs solutions for MAR activities</b> <ul style="list-style-type: none"> <li>• Ms. María Eugenia García de Garayo y Millán. Telecom. Eng (TRAGSA-WIRE AG)</li> </ul>
13:00 – 13:20	<b>Technical solutions for MAR experiences in Spain. State of the art and future panorama</b> <ul style="list-style-type: none"> <li>• Dr. José Antonio de la Orden Gómez. Mining Dr Engineer (Spanish Geological Survey).</li> </ul>
13:20 – 13:35	<b>Premiere of the film "MAR Technical solutions in Arenales aquifer"</b>
13:35 – 14:00	<b>Open debate.</b> Rapporteur: D <sup>a</sup> Elvira del Pozo Campos (TRAGSATEC)
14:00	<b>Closure.</b> Sra. D <sup>a</sup> . Laura del Río Arranz. Mayor of Gomezserracín (TBC).

TBC: To be confirmed.

This schedule, approved in principle, might be subject to modification. Organized by:



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