



## MANAGED AQUIFER RECHARGE IN CARRACILLO DISTRICT AQUIFER

### MAR<sub>4</sub>FARM WORKSHOP



**Centro cultural "Las Fuentecillas", C/ Alta, nº 21 -23. Gomezserracín (Segovia)**  
**Thursday, 2014 October 30th. 10 h. Free entrance.**  
**Activity to involve groundwater users.**

**Collaborate:**



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/>



## MAR4FARM

Since 2002, when MAR activities began in this sector of Arenales aquifer, considered a building work for the general interest of the nation, recharge activities have been accomplished by means of the irrigation community, counting on the support, when required, from those technicians involved in the studies and building works.

After a decade, some articles and books as well as abundant information have been published, specially directed to technicians and researchers, but there are still many users and farmers who ignore a great part of this activity. Within this context, this workshop, that has been called MAR4FARM is specially dedicated to farmers as main user of groundwater resources, in order to solve some doubts they could have (avoiding technical language), as: what were these building works made for?, why is it profitable for agriculture?, how does the aquifer behave?, what should know a farmer on water managing?. These questions plus all those that might arise, will be debated by the technicians participating in the project, works, irrigation community board, municipalities, Douro river and Junta de Castilla and Leon basin civil servants, as agents more dedicated to the activity together with farmers, the real part of this story.

### PROGRAM

10:00 – 10:15	<b>Wellcome.</b> D. Enrique Herranz. ATE. President of the Carracillo Irrigation Community.
10:15 – 10:35	<b>Enhanced recharge, general aspects (before artificial recharge)</b> <ul style="list-style-type: none"> <li>• Dr. Ing. João Paulo Lobo Ferreira. Civil engineer (LNEC, Portugal)</li> </ul>
10:35 – 10:55	<b>The activity seen from the Douro river basin and the RBMP</b> <ul style="list-style-type: none"> <li>• D. Víctor del Barrio Beato. Hydrogeologist, Duero Basin Authorities (CHD).</li> </ul>
10:55 – 11:15	<b>Description of previous studies. Phases 1 &amp; 2</b> <ul style="list-style-type: none"> <li>• D. Juan Martínez Rubio*. Coord. &amp; Product. Manager (TRAGSATEC)</li> </ul>
11:15 – 11:40	<b>Coffee break</b>
11:40 – 12:00	<b>Building Works description</b> <ul style="list-style-type: none"> <li>• D. Roberto Fernández García. Agronomic Engineer (TRAGSA)</li> </ul>
12:00 – 12:20	<b>Environmental impact, specially on forest masses</b> <ul style="list-style-type: none"> <li>• Dr. Jon San Sebastián Sauto. Biologist (TRAGSATEC)</li> </ul>
12:20 – 12:40	<b>Water management techniques at user scale for Los Arenales aquifer. Recommendations</b> <ul style="list-style-type: none"> <li>• Dr. Enrique Fernández Escalante. Hydrogeologist (TRAGSA)</li> </ul>
12:40 – 13:00	<b>Modeling as a tool to study the evolution in quality and quantity of the water in the aquifer</b> <ul style="list-style-type: none"> <li>• Dr. Xavier Sánchez Vila. Civil engineer (UPC)</li> </ul>
13:00 – 13:20	<b>Reclaimed water for MAR and irrigation. The Alcazarén SAT-MAR experience</b> <ul style="list-style-type: none"> <li>• D. José Luis Sevilla Portillo. Agronomic Engineer (Junta de Castilla y León).</li> </ul>
13:20 – 13:50	<b>Energy efficiency and use of alternative energy systems for irrigation. Practical techniques</b> <ul style="list-style-type: none"> <li>• José Manuel Omaña Álvarez. Agronomic Engineer (AIMCRA-Plan 2020)</li> </ul>
13:20 – 13:50	<b>Open debate</b> <ul style="list-style-type: none"> <li>• Rapporteur: *. Carracillo I.C. Secretariat.</li> </ul>
13:50	<b>Closing.</b> Sra. D <sup>a</sup> . Laura del Río Arranz*. Mayor of Gomezserracín.

This schedule, approved in principle, might be subject to modification

\* To be confirmed

Organized by:

