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# NEWS LETTER





# MEDSAL PROJECT

Salinization of critical groundwater reserves in coastal Mediterranean areas: Identification, risk assessment and sustainable management with the use of integrated modelling and smart ICT tools.

## Newsletter subjects

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# Salinization bibliography data base

The MEDSAL Project has launched a bibliography system on groundwater salinization in the Mediterranean. The focus will be on groundwater salinization in the Mediterranean, references on the MEDSAL study sites Rhodope, Samos, Bouficha, Salento and Tarsus, as well as on the main methods that will be applied by the project partners to identify and model groundwater salinization and associated risk management. The access to the bibliography system can be achieved via the MEDSAL web-portal ([www.medsal.net](http://www.medsal.net)) or directly through the following link:  
<http://www.uhydro.de/refbase>



## Online Joint meeting Sustain-Coast and MEDSAL PRIMA Projects



On September 28th 2020 a joint conference of the Sustain-Coast and the MEDSAL projects took place. Sustain-Coast is a PRIMA project addressing sustainable groundwater management in coastal areas. Both projects have exchanged their approaches and discussed possibilities of cooperation, mutual technical assistance, and outreach.



About 60 participants of the meeting involving stakeholders, facilitators for knowledge transfer, interested scientists and the team members of both projects have attended a highly interesting meeting with presentations on advanced methodologies used and first experiences. In a split afternoon session, stakeholder involvement and monitoring have been discussed jointly.

# Installation of Multisensors in Salento (Italy) and Bouficha (Tunisia) pilot sites (1/2)

Between July and August 2020, multi-sensors have been installed in Salento (SAL) pilot site as well as in Bouficha (FST) pilot sites. SAL pilot site is located in southeastern Italy whereas FST pilot site is located in eastern Tunisia.

Sensors record at hourly frequency parameters related to groundwater quantity and quality, such as Electrical Conductivity (EC) and water level.

## Bouficha pilot site





# Installation of Multisensors in Salento (Italy) and Bouficha (Tunisia) pilot sites (2/2)

In detail for Salento (SAL) pilot site (Italy), sensors have been installed in the monitoring well “Lago Rosso” (SAL\_W9), located in the center of the Salento Peninsula. A pressure sensor in freshwater is measuring groundwater level, whereas two probes with Electrical Conductivity-Temperature sensors have been positioned respectively at the beginning and at the end of the transition zone.

## Salento pilot site



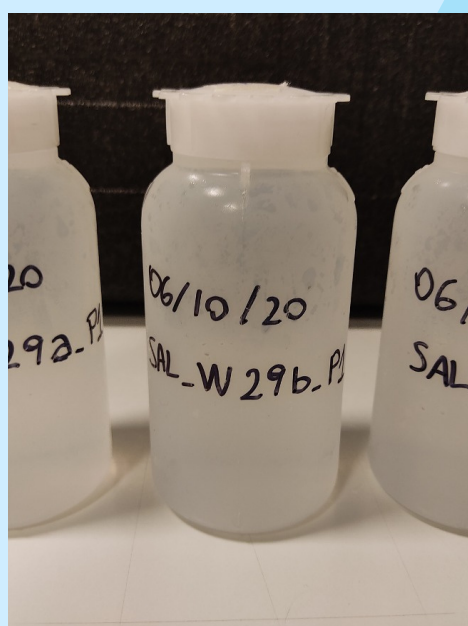
**For further information, scan here!**



# First sampling campaign in Salento (SAL) pilot site (Italy)

The first groundwater sampling campaign has been successfully performed in Salento (SAL) pilot site (Italy), by the research team of DICATECh Department (Polytechnic University of Bari, Italy).

Groundwater samples has been collected from more than 20 Observation Wells of Puglia region monitoring net located in Lecce province, aiming to identify the sources and processes of salinity in groundwater bodies. A full set of nearly 50 parameters will be analyzed for major/minor ions, trace elements and environmental isotopes.



**For further information, scan here!**

