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NEWSLETTER

MEDSAL

PRIMA
PARTNERSHIP FOR RESEARCH AND INNOVATION IN THE MEDITERRANEAN AREA

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.

We, the MEDSAL research team, are happy to have successfully completed a year in our project. Below we provide an outline of the main accomplished tasks actions so far.

EGU General Assembly 2020

MEDSAL participated in the online conference of the EGU 2020 General Assembly with two announcements and presentations:

a) Tziritis et al. (2020) 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, EGU2020-2326 and,

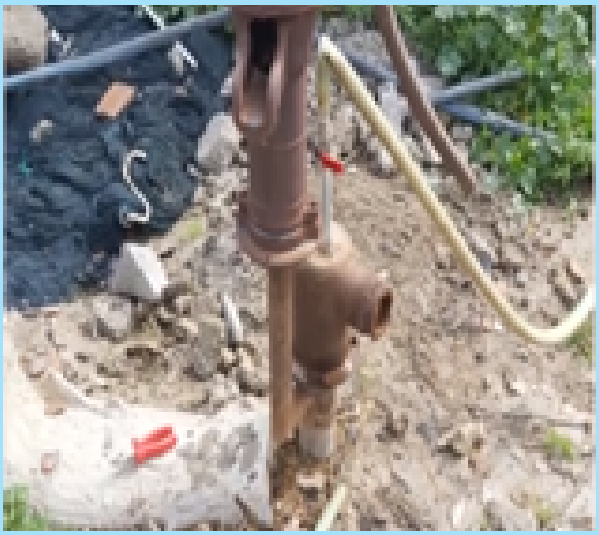
b) Doulgeris et al. (2020) Prediction of seawater intrusion to coastal aquifers based on nondimensional diagrams, EGU2020-4073

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, Bouteldja, 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) or directly through the following link: http://www.uhydro.de/refbase

Sampling campaign in Rhodope (RHO) pilot site (Greece)

The two surface water and groudnwater sampling campaigns (early and late irrigation period) were successfully accomplished in Rhodope (RHO) pilot site (Greece), by the research team of Soil & Water Resources Institute-HAO. More than 100 samples were collected from irrigation wells and surface reservoirs, 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. Looking forward to the results!

Insatallation of Multisensors in Tarsus pilote site (Turkey)

Two multi-sensors were installed in the Tarsus (TAR) pilot site, located in southeastern Turkey, at the eastern coasts of the Mediterranean. The two sensors record in real-time critical parameters related to salinization, such as electrical conductivity (EC), pH, Eh, dissolved oxygen and, water level.