

MEDSAL - PRIMA Project

Press Release No.5

March 3rd, 2022 - Contact: info@medsal.net

The accomplishment of MEDSAL Project

The MEDSAL Project has successfully accomplished its goals and objectives towards the accurate and timely identification, management and forecasting of groundwater salinization.

Within the previous 3,5 years, MEDSAL achieved to couple diverse tools, develop innovative methodologies and significantly improve our capacity to understand and better identify the phenomenon of groundwater salinization towards integrated groundwater management.

The developed tools and methods have been successfully applied to the five (5) MEDSAL pilot sites and delivered tailor-made management plans for coastal aquifers, which are expected to provide robust solutions and positively impact tackling salinization.

A new toolbox for groundwater salinization has been developed, within the context of a specific methodological framework (MEDSAL Framework), including as key constituents classic hydrogeochemical and hydrogeological approaches, environmental isotopes, physically-based models, applied geostatistics, artificial intelligence techniques and, high-resolution analysis of critical parameters through in-situ installed multi-probes.

Among the core outcomes of the project is the interactive MEDSAL Observatory (MOB), which constitutes a versatile open-access web-GIS application for alerting, monitoring and decision-making support.

More information about the available tools and the applications of MEDSAL can be found at this website www.medsal.eu.

The vision of the MEDSAL project will be continued by the MEDSAL Network, composed of different parties (e.g. academia, stakeholders, NGOs) who are interested in the groundwater salinization problem. The MEDSAL Network will be responsible for the operation of MOB and the exploitation of its contents through the framework developed by the MEDSAL project.

Finally, as MEDSAL consortium, we would like to express our gratitude to the PRIMA Foundation and to the National Funding Agencies of the different countries involved, which funded this research project and facilitated its successful completion by all means.