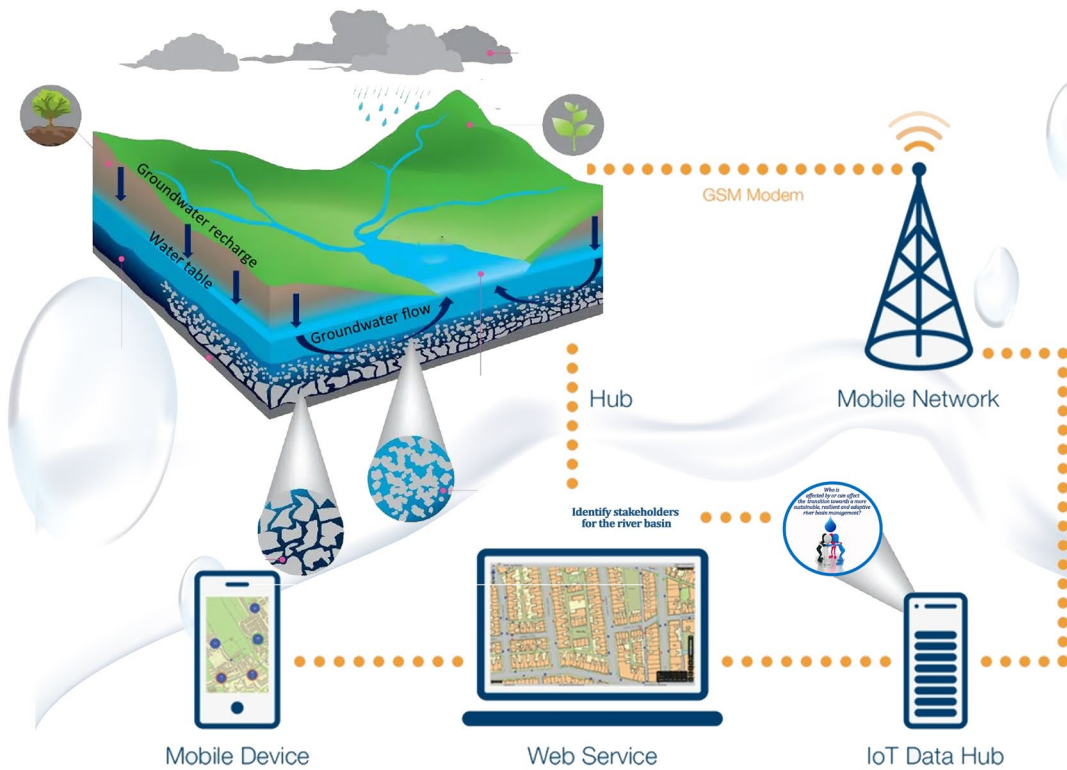




# Improving Sustainable Groundwater Management of the Lower Valley of Medjerda Bassin

# SMART\_IWRM Medjerda




*Improving Sustainable Groundwater Management of the Lower valley of Medjerda Bassin*

**PEER Program Cycle 7 (NAS\_USAID)**

# SMART\_IWRM\_Medjerda Project


**SMART\_IWRM\_Medjerda** : *“Improving Sustainable Groundwater Management of the Lower valley of Medjerda basin”* is the Research & Development project funded by the PEER cycle 7 program (NAS\_USAID) and led by the Higher School of Engineers of Medjez El Bab (ESIM) and the USGS.

For more details about SMART\_IWRM\_Medjerda project, contact us:

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## PEER program (NAS\_USAID)

The Partnerships for Enhanced Engagement in Research (PEER) program is a competitive awards program that invites scientists in developing countries to apply for funds to support research and capacity-building activities on topics of importance to USAID and conducted in partnership with U.S. Government (USG)-funded and selected private sector partners. The program is supported by USAID but implemented by the U.S. National Academies of Sciences, Engineering, and Medicine (NAS).

For more details about PEER program, see:

Website: <https://sites.nationalacademies.org/PGA/PEER/index.ht%20m>

## Specific Objectives

SMART\_IWRM\_Medjerda project aims to support groundwater resources management of the Lower valley of Medjerda River basin based on IWRM principles through three main pillars :

- Overall initial assessment of groundwater resources availability and quality
- Data management & Numerical simulation of water resources
- Capacity Development

## Expected Results

- Implementation of a **smart water monitoring system using IoT platform**
- Development of a **GIS modelling platform based decision support system tool (DSS)** that can be used by managers in water-resource decision making.
- Improve **capacity building** of water stakeholders and **empowering women role** in water sector



Web Service

Data Hub