EAUSIRIS

Smart agriculture techniques to optimize irrigation and soil management

PROJECT TITLE	**EauSIRIS – New Water, Soil Management Strategy and Implementation of Green Technologies for Climate Resilient Agriculture**
IMPLEMENTATION PERIOD	02.12.2021 – 01.12.2023
ORGANISATIONS INVOLVED	Centre Méditerranéen des Energies Renouvelables (TN); Institut des régions arides de Médenine (TN); Consorzio di Tutela dell'Arancia di Ribera (IT); Consorzio di Bonifica n. 8 Ragusa (IT); Consiglio per la ricerca in agricoltura e l'analisi dell' economia agraria (IT); Ecole Supérieure d'Ingénieurs de Medjez el Bab (TN); Università di Catania – Dipartimento di Ingegneria Civile e Ambientale (IT); Ministère de l'agriculture des Ressources Hydrauliques et de la Pêche – Direction Générale de l'Aménagement et de la Conservation des Terres Agricoles (TN)
PROGRAMME	Italy – Tunisia ENI CBC 2014-2020
TOTAL BUDGET	1.661.572,48 €

Coopération transfrontalière
ITALIETUNISIE

Agriculture faces the challenges of water scarcity and soil degradation caused by climate change. Moreover, it strongly depends on fossil fuels which increase its carbon footprint. The EauSIRIS project proposes a new comprehensive and effective strategy for promotion of sustainable, climate-resilient and energy-efficient agriculture. The Italian-Tunisian strategic alliance created by the project, supports the implementation of a new water and soil management and the use of smart agriculture techniques to rationalize water and energy consumption. The project foresees the construction of two hillside water reservoirs (one in Bizerte, Tunisia, and one in Ragusa, Italy), the installation of floating photovoltaic power plants, and the creation of three demonstration farms (Nabeul, Mahdia and Agrigento) with the technological solutions offered by the EauSIRIS strategies.

WATER PROTECTION

ENVIRONMENT