



Mediterranean Integrated System for Water Supply A_B.4.1_249 (MEDISS)

نظام تزويد المياه المتكامل البحر الأبيض المتوسط

Project Overview

KoM - Cagliari - Italy
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Thematic Objectives:

(الهدف الموضوعي)

B.4 - Environmental protection, climate change adaptation and mitigation.

Priority:

(اولويه)

B.4.1 - Support innovative and technological solutions to increase water efficiency and encourage use of non-conventional water supply



Partners:

ENAS - Ente Acque della Sardegna - the SIMR (Sardegna - Italy)

CRENOS-Centro Ricerche Economiche Nord-Sud (Sardegna- Italy)

Institut des Regions Arides (Medenine - Tunisia)

Aqaba Water Company (Aqaba - Jordan)

Governorate of Jericho (Jericho - Palestine)

Palestinian Wastewater Engineers Group (Al Bireh - Palestine).



Project Budget: € 2.487.084,55

ENI contribution: € 2.238.376,09

Duration: 36 months starting August 1st 2019.

General objective:

Contribute to a sustainable water balance in MEDISS areas, increase resilience to water stress and climate change.

المساهمة في توازن مائي مستدام في مناطق المشروع وعوزيادة قدره على مقاومة الإجهاد المائي والتغير المناخي

Specific objectives:

- 1- Encourage behavioral change of end-users toward use of non-conventional water in agriculture.
- 2- Support organizations involved in WRM apply non-conventional water solutions for agricultural use.
- 3- Reduce water and soil salinity through non-conventional water supply, reducing stress on groundwater and enabling higher productivity and diversification of agricultural production.

Work Packages:

WP1- Management, PWEG:

objective is to guarantee a sound management of MEDISS ensuring quality standard in reporting and coordination.

Outputs:

Technical Manual on reporting and financial procedures

Interim Evaluation Report

Final Evaluation Report

Project Final Report.

WP2- Communication, CRENOS:

objectives :

- i) assure constant communication with local stakeholders on MEDISS activities and results;
- ii) disseminate MEDISS achievements to selected stakeholders;
- iii) assure strategic management of gained knowledge and experience during the project and promote its future exploitation in synergy with other initiatives and relevant stakeholders.

Outputs:

Communication Plan

Final report on Dissemination and Communication

Capitalization Plan.

WP3- Analysis and Monitoring, ENAS: objectives :

- a) collecting relevant and consistent baseline data in the 4 MEDISS areas;
- b) analyzing and organizing data in a comprehensive database;
- c) provide target values and tools for monitoring;
- d) evaluate MEDISS impact on water, soils and crops during and after pilot tests;
- e) identify up-scaling opportunities and elaborate proposal for funding.

Outputs:

BoE regulation and data collection plan

MEDISS database

Up-scaling proposals

Final technical report.

WP4- MEDISS pilots, PWEG:

objectives: set up and implement 4 innovative pilot solutions for non-conventional water supply.

a) (Jericho), managed by LP and PP05, will pilot wadi water and blending; retention basins for wadi and ground water, pipeline and irrigation systems, test areas (400 ha) in PFCA farms and measurements systems;

b) longer life of RO; desalination plant will operate with PV in Al Reesha, desalinating brackish water from aquifer and irrigating test areas (1,4 ha) and domestic use;

c) test a prototype for fertilizers production from ammonia stripping, irrigating with TWW and fertilizing 750 ha; ammonia stripping cycle from sludges of WWTP and measurement systems for soil behavior.

d) Pilot in TN (Gabes), managed by PP04, elaborating a case-study on TWW effects on soils, and testing an innovative and sustainable tertiary treatment with infiltration percolation through sand and clay filter bed; it includes refilling of experimental unit, test area (8 ha) and mobile lab unit equipped with sand-clay columns.

Outputs: Pilot interventions in PA; JO; IT; TN
Handover Agreements.

WP5- Awareness and Networking, CRENOS:

objectives:

- i) have active engagement from identified target groups and beneficiaries on water management and project activities by raising their awareness on the theme (sustainable, non-conventional water supply);
- ii) promote exchange, development and uptake of good practices on non-conventional water supply at cross-border level;
- iii) enable efficient application of MEDISS innovative solutions for local institutions and local communities.

Objectives: Final Report on awareness program

Cross-border network for non-conventional water supply

Local governance plans.



Football Stars
أكاديمية نجوم
الكرة قدم



Thank you
Grazie
شكرا

