

soils4med

**SOILS4MED. - SOIL HEALTH MONITORING AND INFORMATION SYSTEMS FOR
SUSTAINABLE SOIL MANAGEMENT IN THE MEDITERRANEAN REGION**

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Contributes to

The purpose

The SOILS4MED project aims to address the urgent need in the Mediterranean region (MR) to enhance the availability and use of Soil Data and Information (SDI) while harmonizing methods for standardized Soil Information Systems (SIS).

These efforts create enabling conditions to protect and improve soil health and support policies aimed at achieving land degradation neutrality (LDN) and Sustainable Development Goals (SDGs), such as food security, climate change mitigation, biodiversity conservation, and economic development.



Egypt	
Greece	
Italy	
Jordan	
Lebanon	
Morocco	
Tunisia	
Türkiye	
Spain	

- WP1. Coordination and management
- WP2. Soil DATA and information systems (SIS), and research infrastructures.
- WP3. Policy-relevant INDICATORS of soil ecosystem health (SEH).
- WP4. Field validation of a MR-adapted LUCAS PROTOCOL and of SEH indicators.
- WP5. Harmonized Soil Information Systems (SIS) tool.
- WP6. DSS for sustainable soil and water management (SSWM) and LDN.
- WP7. Enhanced soil condition mapping including C-Stock mapping.
- WP8. Living Labs for SH relevance and long-term sustainability.
- WP9. Enhanced scientific integration, capacity development, and dissemination.

Partners



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5 objectives

- 1) Engage stakeholders through the Living Lab approach to raise awareness of the benefits of investing in SDI
- 2) Develop policy-relevant soil health indicators and monitoring protocols tailored to the MR
- 3) Validate the protocols in study areas across major agro-ecological regions and soil types, generating the first harmonized soil health dataset for the region
- 4) Demonstrate the ability of enhanced SDI, integrated with legacy soil data, to support advanced soil mapping, sustainable land management practices
- 5) Design and implementation of standardized SIS for effective SDI use.



WP6. DSS for sustainable soil and water management (SSWM) and LDN.