

# Germ of Life



Digital Drought Risk Management enabling the drought mitigation and adaptation strategies for the restoration of the ecosystem equilibrium in Mediterranean European Countries

**PROJECT TYPE**  
TEST

**ENVIRONMENT**  
TERRESTRIAL LAND  
AFFECTED BY DROUGHT



**JAN 2024**  
**SEP 2026**

## The project

Germ of Life aims at creating a digital platform with monitoring indicators and data addressing mitigation and adaptation to drought for the balance of ecosystems in the Euro-MED area. Germ of Life builds upon an operational model of proactive drought management. The goal is to move a step forward in the automation and precision of the state of soil and vegetation risk assessment, using analysis and actionable knowledge from the monitoring and data-driven solutions in place.

## Main outputs



**Drought Risk Prediction:** Preventing by adopting AI and data-driven early warning systems through remote sensing and exploitation of new data that are potentially useful for drought impact detection and quantification.



**Decision Support System:** Vulnerability assessment tool fed by the outputs of the drought risk prediction, allowing to improve decision making capabilities and making available a collaborative space for the assessment from different stakeholders.



**Machine Learning models for drought indicators forecasting,** to be tested and implemented, with a focus on assessing the generalization and transferability of the developed methodology.



**Procuring innovative solutions:** Supporting authorities to implement strategies and plans, including appropriate technologies and Nature-based solutions, to mitigate the impact of drought.

### Pilots

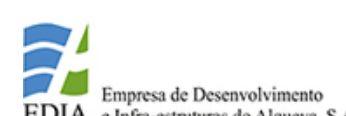
All pilots work on a drought risk definition, an indicator's baseline, and a drought monitoring system.



## Target groups

PUBLIC AUTHORITIES AT NATIONAL, REGIONAL AND LOCAL LEVEL

SMALL AND MEDIUM ENTERPRISE



Natural heritage

Interreg Euro-MED



Co-funded by the European Union