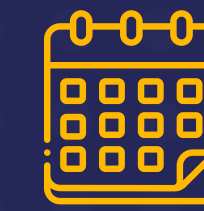# Germ of Life

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.

Po Park (Italy)

Junta de Andalucia (Spain)

Region of Western Greece (Greece)

Subregion of Baixo Alentejo (Portugal)

QR code to overall map!

ATOS

LAMORO

Po Park

EDIA

Baixo Alentejo region

UBITEL

ANDALUCIA

Junta de Andalucia

CMCC

DOTSOFT

UPATRAS

PDC

Region of Western Greece

INFOTREND

Project partners · Pilots

Target groups

PUBLIC AUTHORITIES AT NATIONAL, REGIONAL AND LOCAL LEVEL

SMALL AND MEDIUM ENTERPRISE

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