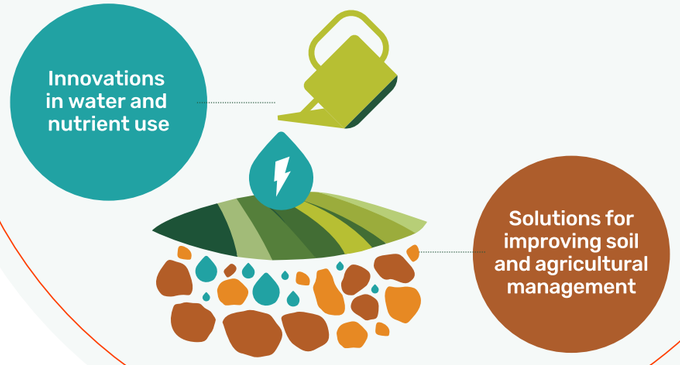
PROJECT OVERVIEW

The RAINS project aims to help European farmers, especially in southern regions such as Greece and Spain, **be more resilient against extreme weather** events such as drought and torrential rains.

Both Greece and Spain belong to the Mediterranean region, which is the **region most affected by drought and water scarcity** forecasts in Europe.

RAINS is testing solutions in two areas:



RAINS SOLUTIONS

Alternative Water Sources

1. Solid water
2. Fog harvesting
3. Reclaimed wastewater

Combined Use of Water and Biofertilisers

4. Sewage sludge
5. Biofertiliserst

Improved Soil Water Retention

6. Biobased nets
7. Compost brick ladders

Smart Solutions

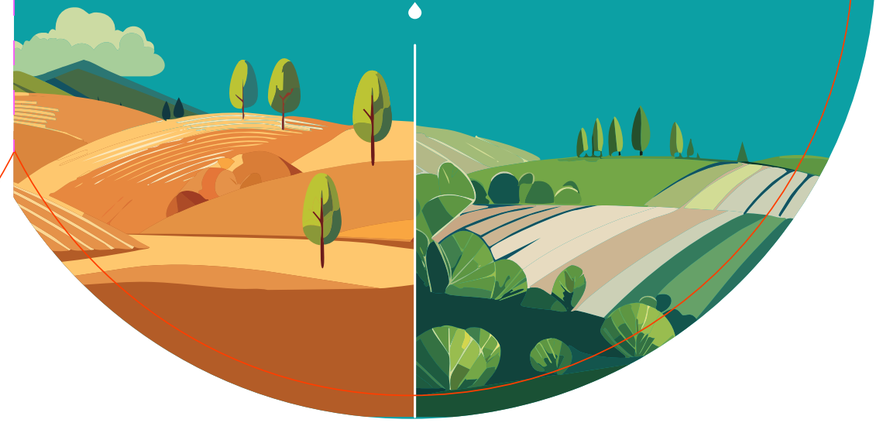
8. Water IQ
9. Optifangs-IA v1.0

Modelling Tool

10. Water-N-P model

RAINS

Resilient Irrigation Solutions



THE CHALLENGES



40%

Over 40 % of the EU's water use is on agriculture, and most of the freshwater abstraction is for agricultural use in countries like Greece, Spain, and Cyprus.

84%

Approximately **84% of the economic impact of drought falls on agriculture** and farmers.





17%

By 2050, 17% of Europeans will be affected. Southern Europe will see half the losses.

IN PRACTICE

The project will test and show 10 new and smart ways to use water and nutrients more efficiently. These methods will be tested at **10 different farms** across **Greece and Spain**.

Solutions are tested in different agricultural systems, such as agroecology, organic, conventional, intensive, urban , so they can be adapted and replicable throughout Europe.



DISCOVER MORE!

Coordinated by SAV and comprising **17 partners from 6 countries**, this 4-year (2024–2028) €4.8 million Horizon Europe project contributes to an improved water efficiency and **supports farmers in transitioning to more sustainable irrigation and fertigation systems**.

Funded by the European Union

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