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SOILRES

Multi-Faceted Biodiversity Integration for Healthy Soils and Resilient Crop Management

The Project

SOILRES enhances soil health and strengthens crop resilience by harnessing biodiversity - linking soil, plants, and microbiota. Through sustainable practices and advanced digital tools, the project will work towards ensuring lasting agricultural success across diverse soils and climates.

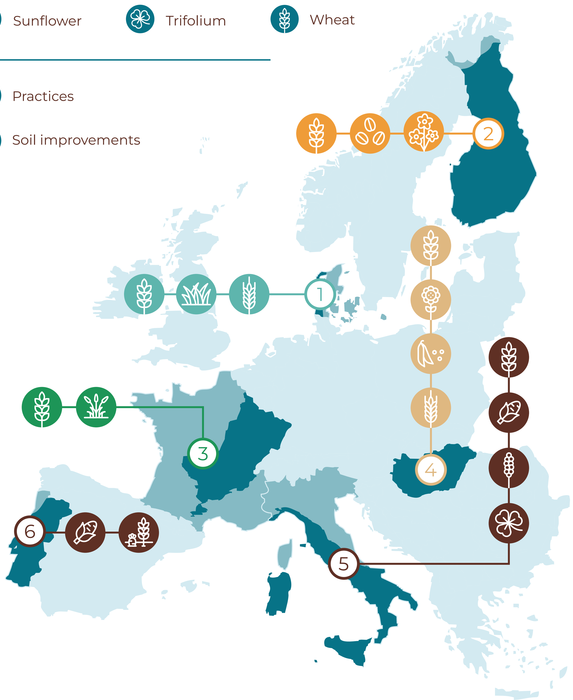
Use Cases Across Europe

SOILRES will test and validate its strategies in 6 diverse Use Cases, spanning 5 pedo-climatic zones.

CROPS

- Barley
- Biodiversity-rich cover crops
- Forage
- Maize
- Oats
- Peas
- Perennial crop
- Rapeseed
- Sorghum
- Soybean
- Sunflower
- Trifolium
- Wheat

- Practices
- Soil improvements



UC 1 Denmark (Atlantic)
- Perennial cropping systems
- Microbial bioinoculants, Biostimulants

UC 2 Finland (Boreal)
- Minimum tillage, Intercropping, Cover cropping
- Green manure, Inoculants

UC 3 France (Continental)
- Strip cropping, Agro-prairies
- Bioinoculants

UC 4 Hungary (Pannonian)
- Intercropping, Soil cover
- Cover cropping, Reduced tillage

UC 5 Italy (Mediterranean)
- Strip tillage on living mulch, Compost-based inputs
- Amendments, Biostimulants, Bioinoculants, Biochar

UC 6 Portugal (Mediterranean)
- Cover cropping, Minimum tillage
- Inoculants

Consortium

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