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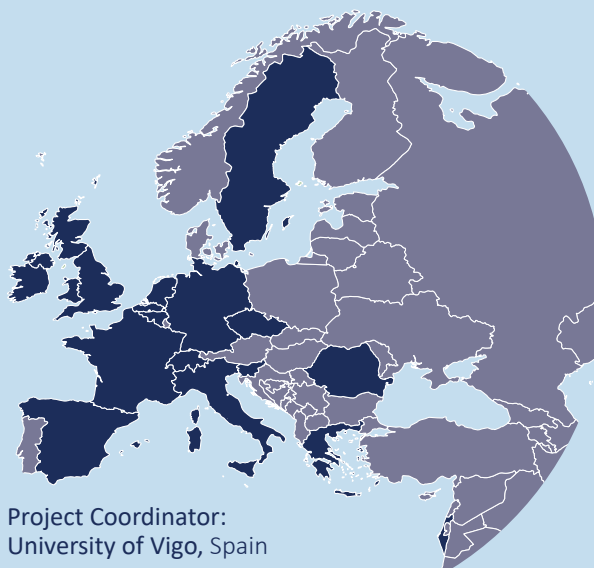
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Consortium



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- Harper Adams University, United Kingdom



Integrating **SOil Biodiversity**
to **Ecosystem Services**:

testing cost-effectiveness of Soil Biodiversity indicators and the provision of soil biodiversity-based Ecosystem Services to build better land management solutions that effectively implement the EU Soil Strategy

Impact



Including soil biodiversity in land management planning and practical applications



Societal appreciation of the vital functions of soil biodiversity and its contribution to ecosystem services



Policy

Accounting for ecosystem services synergies and trade-offs in decision-making

Proposing legal-binding instruments that address SOB protection explicitly

Key Objectives

Comprehensive assessment of soil biodiversity



Determining the sensitivity, adaptation and resilience of soil biodiversity to land use intensity

Testing cost-effective robust soil biological indicators to map and assess ecosystem condition across EU soils



- Agricultural soils
- Drylands
- Forests
- Industrial & mining areas
- Peatlands
- Urban soils
- Wetlands



Economic evaluation of soil biodiversity and its contribution to ecosystem services

SOB₄ES

The goal of the EU Soil Strategy is that by 2050, all soils in the EU should be healthy.

Soil health means that soils continuously provide as many ecosystem services in the greatest variety as possible. However, in order to make progress, it is essential to fully integrate soil biodiversity in land management and planning.

Currently, soil biodiversity receives little attention in large monitoring efforts when compared to other groups, such as higher plants and vertebrates.

Consequently, the contribution soil biodiversity makes to ecosystem services is vastly overlooked, not objectively quantifiable, invisible to society, and lacks integration into EU regulations and policy instruments.

Therefore, the main objective of SOB₄ES is:

Making soil biodiversity and its contribution to ecosystem services visible to society alongside integration into EU policies