



EUSO & LANDSEALOT

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Soil and the European Green Deal



The EU Soil Observatory (EUSO)

KNOWLEDGE CURATION & CREATION

KNOWLEDGE FOR SOIL POLICY



EU-wide soil monitoring



Monitoring soil health and policies



- Support to citizen science initiatives for soil monitoring
- Promote self-assessment of soil health by land managers and citizens
- Building on JRC Awareness and Education WG

- Harmonisation of indicators, measuring and reporting for soil health across Europe;
- Managed by European Soil Observatory



- Support validation of soil health indicators;
- Further develop technologies for soil monitoring
- EUSO as beneficiary

- A network of real-life sites to
- test and validate novel measuring techniques
- LL Portal on EUSO

Research & Innovation



EUSO Stakeholder Forum



Stronger European Soil Data Centre (ESDAC)

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Coastal zone is subject to a broad range of **pressures reflecting competing land uses**, many of which are unsustainable and exacerbated by climate change.

Soil **erosion and sedimentation, salinisation, nutrient loading, and pollution from agriculture, urbanization and industrial processes**, are impacting the supply of critical ecosystem services (e.g. carbon sequestration) while having a negative impact on coastal water quality, biodiversity and offshore habitats.

Systematic **monitoring** of soil processes in coastal regions across the EU is **generally lacking and underrepresented** in pan-EU approaches while detailed **assessments** are **lacking**.

The **EU Soil Observatory** welcomes the possibility to **collaborate** with actions to close this important knowledge gap.

- **Better understanding** of coastal soil processes and impact on water quality.
- EUSO datasets as **inputs** to project.
- (Terrestrial) **Data generated by project to feed EUSO** – ensure **legacy**