



RE SOIL FOUNDATION

Regeneration for a clean and healthy soil.

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**PREP
SOIL**

Preparing for the "Soil Deal for Europe" Mission

CSA- July 2022 – June 2025

GA 101070045

prepsoil.eu



Funded by
the European Union

PREPSOIL Project

- ✔ The PREPSOIL project **facilitates the deployment of the Mission across European regions.**
- ✔ To achieve this, PREPSOIL has developed **tools and spaces for interaction, knowledge-sharing and co-learning.**

PREPSOIL tools

Knowledge Hub

LL/LH Map

PREPSOIL TV

PREPSOIL Forum

PREPSOIL Mobile App



PREPSOIL Mobile App

✓ In June 2024, the PREPSOIL project launched the **PREPSOIL Mobile App**, a free digital solution helping citizens to acquire knowledge about soil and supporting research with real-life soil observations.

✓ Objectives of the mobile app:

Provide access to the PREPSOIL Tools (LL map, Knowledge Hub, PREPSOIL TV)

Help organisations and LLs to connect with citizens

Enable citizens to share their real-time observations on soil

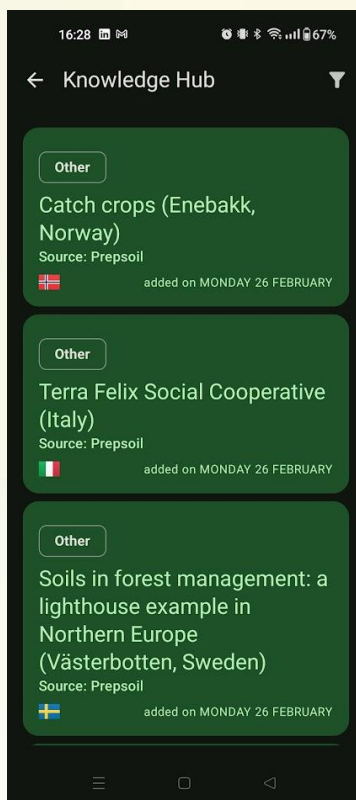
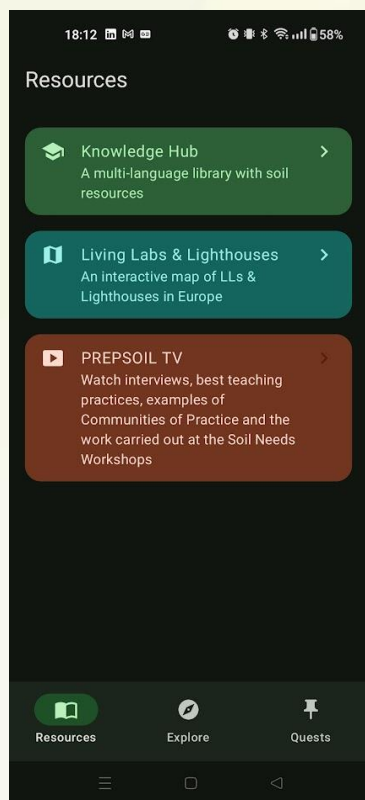
✓ The mobile app will serve organisations, universities, Living Labs to connect with citizens and obtain relevant insights about soil in different European regions.



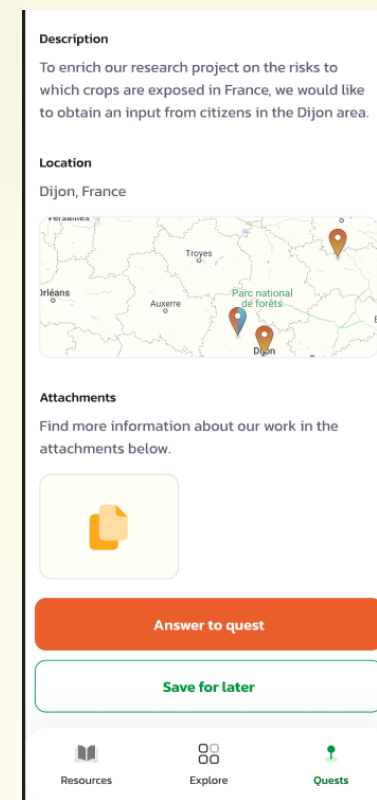
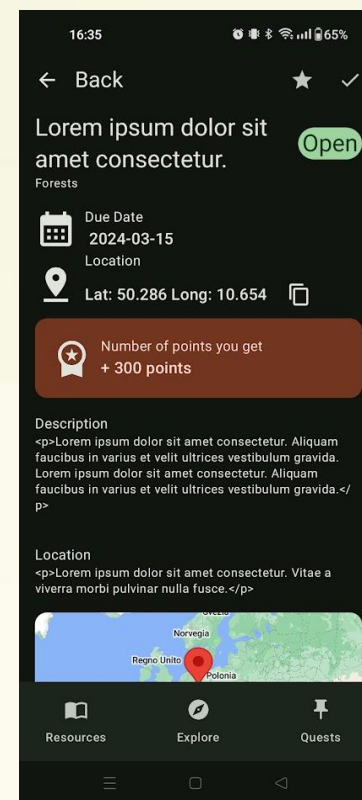
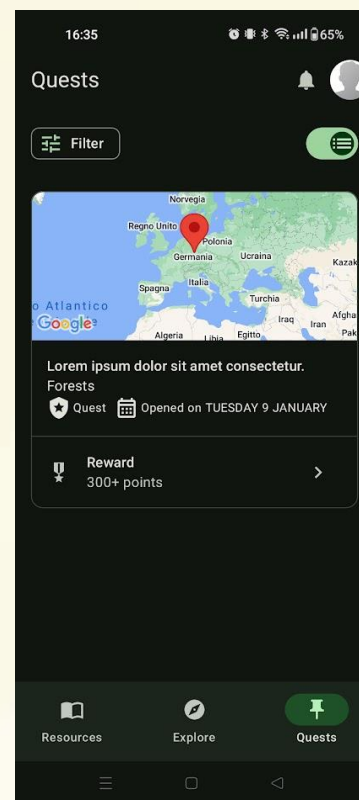


PREPSOIL Mobile App functionalities

Explore resources



Quests



Quests



By creating a quest, an organisation or LL can ask citizens for information or pictures of soil across Europe

In a quest, you can ask for:

- ✓ Information about soil
- ✓ Examples of initiatives and actions to improve soil
- ✓ Pictures of soil



The citizens will then receive a notification that there is a quest in their area.



After you receive submissions to your quests, you can approve them or reject them.

The approved submissions will appear on a map on the mobile app.



What can you find in the Knowledge Hub?

As of now **the Knowledge Hub features 261 resources in 13 languages:**

65 best practices and tools



62 scientific resources



51 Educational and training materials



40 Other resources



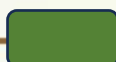
27 Policy documents



11 Interviews



9 Conference deliverables



100 documents



74 videos



57 webpages



18 factsheets



7 audiofiles



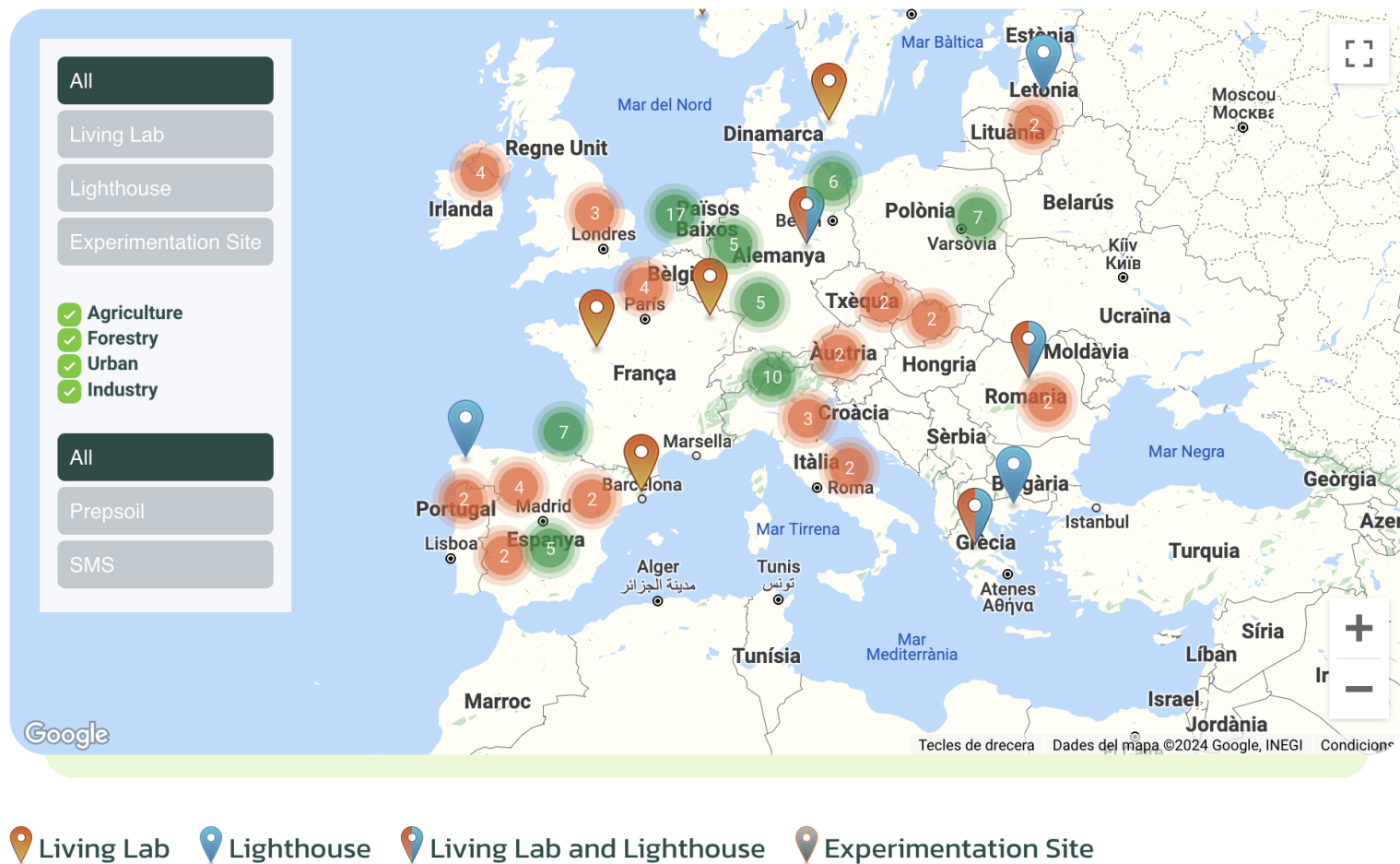
3 infographics



2 presentations

LLs and LHs PREPSOIL Map

- Self-registration form
- Self-assessment form: Enables initiatives to evaluate their maturity and alignment with Mission Soil criteria and PREPSOIL taxonomy.




A tool to support the **identification** and **classification** of initiatives aligning to the **LLs and LHs principles** that are working towards soil health in alignment to the **Mission Soil Implementation Plan** and **criteria**.

D4.1 Report on LL/LH taxonomy



PREP SOIL Taxonomy and Self-assessment for Living Labs and Lighthouses in the Mission Soil context. A guide for users:
<https://zenodo.org/records/13255032>


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PREP SOIL – 2022-2025



D4.1 Report on LL/LH taxonomy, identification and mapping feeding the online interactive atlas

Title:	Report on LL/LH taxonomy, identification and mapping feeding the online interactive atlas
Work package no:	4
Deliverable Related no:	4.1
Deliverable no:	15
Deliverable description:	This deliverable describes the design process and resulting taxonomy for soil health living labs and lighthouses.
Due date:	30 June 2024
Submission date:	01 August 2024 – upon agreement with the EC
Dissemination level:	PU – Public
Authors:	Mar Ylla Gelabert (ENoLL), Giulia Campodonico (ENoLL)
Version:	v1.0 – SUBMITTED VERSION, NOT YET APPROVED BY THE EUROPEAN COMMISSION

Project acronym:	PREP SOIL
Project name:	Preparing for the 'Soil Deal for Europe' Mission
Project number:	101070045
Call topic:	HORIZON-MISS-2021-SOIL-01-01
Type of action:	HORIZON-CSA



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PREP SOIL Report on LL/LH taxonomy, identification and mapping feeding the online interactive atlas (D4.1):
<https://zenodo.org/records/13255005>

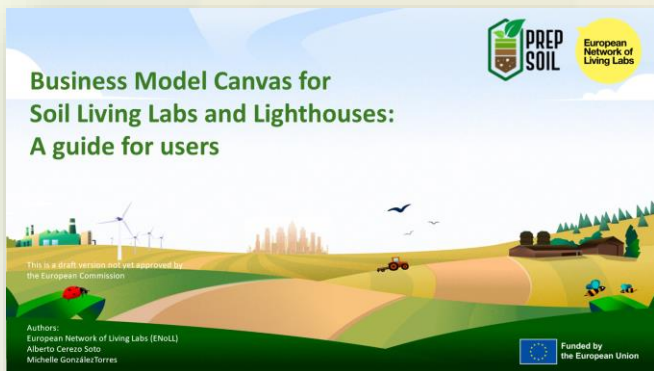
PREP SOIL taxonomy for LLs and LHs in the Mission Soil context: AIMS

Level 1	Level 2	Level 3	Level 4			
			Agriculture	Forestry	(Post) Urban	(Post) Industrial
AIMS	INNOVATION	Efficient use of resources	<ul style="list-style-type: none"> • Precision tools adapted to sustainable soil management and to small farms • Crop rotation • Covercropping • Manure management (digestate) 	<ul style="list-style-type: none"> • Efficient logging 	<ul style="list-style-type: none"> • Biochar production • Biochar and permeability systems, like off-the-shelf biochar and permeability systems • Use of off-the-shelf biochar and permeability systems • Biochar and permeability systems • Use of biochar products 	<ul style="list-style-type: none"> • Efficient remediation techniques • Nature-based solutions (NBS) • Remediation techniques • Temporary use of land
		Adaptation to on-ecosystem innovations	<ul style="list-style-type: none"> • Agroecology transition/innovation • Nature-based solutions • Diversified farming systems • Agroecology • Integrated soil fertility management 	<ul style="list-style-type: none"> • Small forest exploitation (Proper use of the tools of the forest (log, sawmill)) • Forest – innovation – E.g. implementation of a research system for forest products • Nature-based solutions 	<ul style="list-style-type: none"> • Using soil functions for climate adaptation 	<ul style="list-style-type: none"> • Efficient remediation techniques • NBS remediation techniques
		Societal impact (Urban/Livable communities and diversity)	<ul style="list-style-type: none"> • Joint initiatives (Participatory) 		<ul style="list-style-type: none"> • School or community gardens • Schools, houses, and local municipalities use using soil functions for climate change and energy transition 	<ul style="list-style-type: none"> • Horizontal/vertical integration of data
		Citizen science			<ul style="list-style-type: none"> • Urban farming • Soil – innovation, temperature and moisture 	
KNOWLEDGE & LEARNING		Soil conservation & biodiversity	<ul style="list-style-type: none"> • Perennial use 		<ul style="list-style-type: none"> • Soil quality in gardens, but also Urban Strategic Initiative (USII) (Pilot report) 	<ul style="list-style-type: none"> • Insight in more pollutants • NBS sustainable remediation techniques
		Soil issues	<ul style="list-style-type: none"> • Extreme weather conditions (drought/water logging) • Soil erosion/cracks 		<ul style="list-style-type: none"> • Urban heat island effect • Soil sealing 	<ul style="list-style-type: none"> • Soil health/quality • Soil sealing
		Environmental education programs and community workshops	<ul style="list-style-type: none"> • Farm visits • Agroecology workshops • Training of cooperation level 	<ul style="list-style-type: none"> • Heritage forests workshops • Forest stewardship workshops 	<ul style="list-style-type: none"> • School gardens workshops • Community gardens workshops • Municipal awareness on climate change (definition of water in soil) 	<ul style="list-style-type: none"> • Industrial sites tours • Remediation workshops
		Bioeconomy service improvement	<ul style="list-style-type: none"> • Bio-product development • Green recycling and waste management, biochar, green-manure, crop diversity 	<ul style="list-style-type: none"> • Agroecology systems • Bio-based forest products • Bio-based forest products • Forest carbon storage • Nature-based solutions • Forest fire management 	<ul style="list-style-type: none"> • Nature urban forest • Urban green planning: green roofs, urban green spaces • Greening measures on 	<ul style="list-style-type: none"> • Industrial remediation • Carbon capture, storage, or reuse • Greening measures • Greening measures
SUSTAINABILITY		Climate resilience and adaptation (adaptation and mitigation)	<ul style="list-style-type: none"> • Drought-resistant crops • Soil erosion/cracks and mitigation 		<ul style="list-style-type: none"> • Urban green planning: green roofs, urban green spaces • Greening measures on 	<ul style="list-style-type: none"> • [Collaborative] Remediation and circular land use • Greening measures
		Circularity of production and waste	<ul style="list-style-type: none"> • Composting • Greenhouse • Focus on manure use, not fertilizer application 	<ul style="list-style-type: none"> • Biomass recycling 	<ul style="list-style-type: none"> • Urban recycling hubs • Reuse of (processed) soils 	<ul style="list-style-type: none"> • Industrial recycling • Reuse of (processed) soils
		Biodiversity conservation and nature farming	<ul style="list-style-type: none"> • Nature and green manure application • Green roofs as land protection areas • Riparian areas 	<ul style="list-style-type: none"> • Forests recovery 	<ul style="list-style-type: none"> • Urban biodiversity benefits • Urban conservation areas 	<ul style="list-style-type: none"> • Industrial carbon credits • Industrial biodiversity benefits
		Environmental impact	<ul style="list-style-type: none"> • Organic certification • Common Agricultural Policy (CAP) partnership 	<ul style="list-style-type: none"> • Sustainable logging practices 	<ul style="list-style-type: none"> • Urban organic gardens • Use of soils in climate adaptation 	<ul style="list-style-type: none"> • Sustainable (de)contamination: NBS
GOOD PRACTICES		Impact assessment and monitoring and evaluation	<ul style="list-style-type: none"> • Agriculture impact assessment 	<ul style="list-style-type: none"> • Forest impact assessment 	<ul style="list-style-type: none"> • Urban impact assessment • Citizen science 	<ul style="list-style-type: none"> • Industrial impact assessment

The PREP SOIL taxonomy: [link](#)




- Provide a comprehensive guide to design Business Models for LLs and LHs addressing soil health concerns through overarching frameworks.



PREP SOIL - Business Model Canvas for Soil Living Labs and Lighthouses:


<https://zenodo.org/records/12819107>

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D4.2 Report on LL/LH model business plans

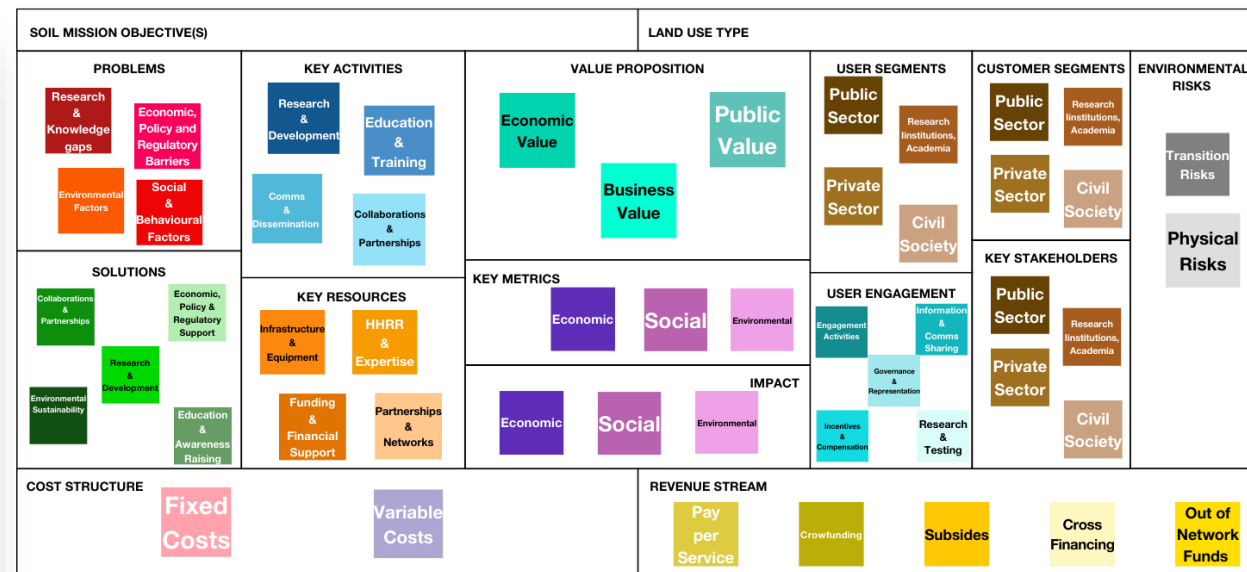
Title	Report on LL/LH model business plans
Work package no:	WP4
Deliverable Related no:	D4.2
Deliverable no:	16
Deliverable description:	Report on LL/LH model business plans
Due date:	30 June 2024
Submission date:	12 August 2024 (upon agreement with the EC)
Dissemination level:	PU
Authors:	Alberto Cerezo, Michelle González
Version:	V1 (draft not yet approved by the European Commission)



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PREP SOIL Report on LL/LH
business model plans (D4.2):
<https://zenodo.org/records/12919420>

PREP SOIL Business Model Canvas for LLs & LHs in the Mission Soil



The PREP SOIL BMC: click [here](#)



Package of Tools and Tips for LLs/LHs

M6 (Dec 22) – M36 (Jun 25)

T4.4 Partners

Lead: WR

Contributors:

INRAE,
DELTA RES, SLU,
ENoLL, AU, F-
PCTEX, ÖMKi

- ✔ **Aim:** co-design, validate and refine a “service package” to accelerate the adoption, maturity and optimise the running of the Mission LLs/LHs under different land use contexts and supported by the BMCs (T4.3)
- ✔ **Package encompassing results from PREPSOIL**
 - ✔ Document
 - ✔ Workshop: hybrid early 2025
- ✔ **Target:** LLs and LHs who want to join (but we invite the LLs and LHs from the previous workshops for sure), and



Engaging Communities of Practice from multiple regions raising awareness about healthy soils

- PREPSOIL is boosting a **citizen awareness effort** by **engaging** with multiple **Communities of Practice (CoPs)** and Living Lab initiatives - from local and regional movements, grass-root and civil society organisations - to raise awareness about the importance of healthy soils to peers and society at large
- through **video interviews with multiple CoPs to showcase their work**
- Documenting their efforts and encouraging **interaction and discussions** in the **Forum**



Andreas Capjon / Økern Portal Rooftop garden in Oslo, Norway



Maïne Joner at Skøyenåsen hagelag in Oslo, Norway



Urban gardens at "Suerte Saavedra (Spain)"



Soils in forest management: a lighthouse example in Northern Europe



Farming in Balance (Odling i balans) - Hacksta gård (Sweden)



Farming in Balance (Odling i balans) - Hidinge gård (Sweden)



Catch crops (Enebakk, Norway)

Interview with Maran Holthe from Norwegian



Terra Felix Social Cooperative (Italy)

Interview with Francesco Bassola, Executive



Praktisk økologi. An example of a community of Practice (Denmark)



Farm scale composting (Enebakk, Norway)

DeBartolotto on farm-scale composting of farmland

[Prepsoil TV](#) | [Prepsoil](#)



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Best Teaching Practices

Find below the best examples of youth soil health education practices in Europe, that are increasing the understanding of soils by the future generations and the public at large. The stories, selected in two open calls, involved both Primary and Secondary Schools, as well other organisations, municipalities and any other actors that have been organising activities with education institutes. PREPSOIL is collecting good teaching practices that inspire younger generations on how to take good care of our land.

[Subscribe to the PREPSOIL newsletter](#) to be notified about PREPSOIL activities.

Primary/Secondary School Year Ranking

All Any - Any -



World Soil Day

Age of pupils: 14–16 years The priority of this project was to raise awareness and actively involve students in topics

School: IIS Russell Moro Guarini Torino sede Guarini, **Teacher:** Martino Noce



Economy is a wheel: Apitour

Age of pupils: 11–13 years The school garden, Apitour, engaged the whole school community in the project Economy is a

School: I.C. Fratelli Mercogliano–Guadagni, **Teacher:** Adele Martiniello



The soil to educate

Age of pupils: 6–10 years The purpose of the activities in this project was to approach soil in early ages and create

School: Istituto Pluricomprendivo Brunico, **Teacher:** Erika Guerrini



Love Your Wellies

Age of pupils: 6–18 years In this initiative, art was used to raise awareness about the value of peat landscape

School: FarmPeat project, **Teacher:** Katie Smirnova

GRAZIE PER L'ATTENZIONE!

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