RE SOIL FOUNDATION

Regeneration for a clean and healthy soil.

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

COLDIRETTI

NOVAMONT

Politecnico di Torino

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RE SOIL FOUNDATION: PER SALVAGUARDARE UNO DEI BENI PIÙ IMPORTANTI DEL PIANETA

Promossa da **Università di Bologna, Coldiretti, Novamont** e **Politecnico di Torino**, la Fondazione si pone l'obiettivo di dare impulso a un reale cambiamento a partire dalla tutela del suolo e dal concetto chiave di rigenerazione territoriale.

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IL SUOLO: UNA RISORSA FONDAMENTALE DA TUTELARE

Il suolo svolge un ruolo centrale nella nostra vita. È il punto di partenza per la produzione alimentare (il 95% del cibo che mangiamo arriva dal suolo), per la crescita della vegetazione, per la ritenzione, filtrazione e moderazione del flusso di acqua verso le falde acquifere e i fiumi, per la rimozione di contaminanti e riduzione della frequenza e del rischio di alluvioni, per la regolazione dei flussi di energia da e verso l'atmosfera e per la mitigazione del clima e impatto della siccità.

RE SOIL FOUNDATION – GLI OBIETTIVI

1- PROMUOVERE LA SALVAGUARDIA DEL SUOLO IN ITALIA E IN EUROPA

2- DIFFONDERE CONOSCENZE, CONTENUTI SCIENTIFICI E INFORMAZIONI SUL TEMA DELLA SALUTE DEL SUOLO

3- CREARE LE CONDIZIONI PER SVILUPPARE CASI STUDIO TERRITORIALI E MOLTIPLICARLI, ANCHE ATTRAVERSO LA DIFFUSIONE DI LIVING LABS E LIGHTHOUSE FARMS

4- PROMUOVERE UN PROCESSO DI POLICY SHAPING SUL TEMA DELLA SALVAGUARDIA DEL SUOLO

EUROPEAN MISSION: A SOIL DEAL FOR EUROPE

Obiettivo: riportare almeno il 75% dei suoli di ogni stato membro dell'UE in salute entro il 2030.

Una gestione sostenibile dei suoli è essenziale per il raggiungimento di obiettivi fondamentali quali:
- La sicurezza alimentare
- La mitigazione del climate change
- La protezione della biodiversità
- La riduzione dell'inquinamento
- La rivitalizzazione delle aree rurali

PREP SOIL

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PREPSOIL
Preparing for the»Soil Deal for Europe» Mission

CSA: Preparing for the ‘Soil Deal for Europe’ Mission

- **HORIZON-MISS-2021-SOIL-01-01 /**
- Preparing the ground for healthy soils: building capacities for engagement, outreach and knowledge

- **Project Coordinator:** Dr. Niels Halberg
- **Coordinating Organisation:** Danish Centre for Food and Agriculture – Aarhus University
- **Project Technical Manager:** Margrethe Balling Høstgaard, M.Sc. & MBA
- **Planned duration:** 36 Months, formal starting date July 1st, 2022.

Overall intention : Supporting the Soil Mission through the DG AGRI secretariat

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Objectives – addressing call expectations

- To evaluate soil needs in regions of Europe across different soil use types (Agriculture, Forestry, Urban, post-industrial, ..)
- To organise the expansion of EJP SOIL Hubs to broader Soil Health National Hubs
- To define model business plans for LL and LHs
- To map current and emerging LL and LH to promote networking and knowledge exchange
- To develop and launch a web portal to support networking, knowledge exchange and availability
- To generate spaces for knowledge exchange, capacity building and cross-regional connection
- To connect and promote exemplary education and social initiatives, and soil ambassadors
- To pave the path towards harmonised, standardised soil monitoring and data collection across the EU
- To explore the incorporation of EO and citizen observatories data in soil monitoring

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Main activities and outcomes

KEY PRINCIPLES

STOCKTAKING
From previous initiatives, especially on agricultural soils.

OPEN SCIENCE
By default, multi-plying the impact.

FLEXIBLE
Smooth communication and adaptation to the Mission's needs.

CAPABLE
Consortium composed of the top EU researchers, agencies and stakeholder associations.

STAKEHOLDER MANAGEMENT
Expansion of National Soil Hub concept, coordination and organisation of stakeholder identification, engagement and co-creation. At EU, national and regional levels. Multi-actor approach.

SOIL NEEDS
Evaluation of soil needs, in 21 regions, focusing in the landscape level.

MONITORING
Assessment of indicators for different land uses, exploring citizen science, improvement of monitoring knowledge

LIVING LABS
Elaboration of model business plans, incl. governance and sustainability.

WEB PORTAL
Knowledge aggregator, spaces for inter-connection, LL atlas, promotion of best practices and advocates, etc.

Specific events and activities, including science-policy interface, planned to build awareness, and improve the knowledge base among citizens, land managers and urban planners,
as well as facilitating connections among different communities of practice; dialogues w Soil Advocates.

Building on the EJP SOIL program, SMS project, SOILS4EU, …
Expanding to different soil use types and broader scope of Soil Mission

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Ambitious web-portal is a key tool

- **Connect existing on-line resources on soil information to provide a single point for access to this information** (…) **in each MS** and AC. (…)
- Connect diverse organisations, projects and people by **promoting soil advocates in different fields/roles/regions.**
- **Help identifying "agents of transition"** (…).
- Link this one-stop-shop in each MS and AC to **"best of" online material to inspire and connect citizens** (…)
- **Displayed in local official languages** (…) also with **good examples for online material in Europe and internationally.**
- Develop **tools to support networking and knowledge exchange of communities** working at regional/local level on soil health **and create Communities of Practice (CoP)** (…)
- How to select and curate non-scientific knowledge?

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Consortium and coverage

Academic partners

- AU
- WUR
- SLU
- INRAE
- NIBIO
- ZALF
- IUNG
- CSIC
- ÖMKi
- DELTARES
- JRC

Consulting experts

- LESPROJEKT
- TRUST-IT
- COMMPLA

EU & national associations *

- ENOLL
- RE-SOIL
- COPA-COGECA
- ACR+
- F-PCTEX (ERIAFF)
- ACTA

* Some countries not represented by the partners' legal addresses are still covered by the members of the associations, achieving full EU coverage, and some associated countries (Turkey, Romania, Greece, Bulgary, Croatia, Austria, Cyprus, Ireland, Luxembourg, Malta, Portugal, UK, Slovenia, Finland, Latvia, Estonia, Lithuania)

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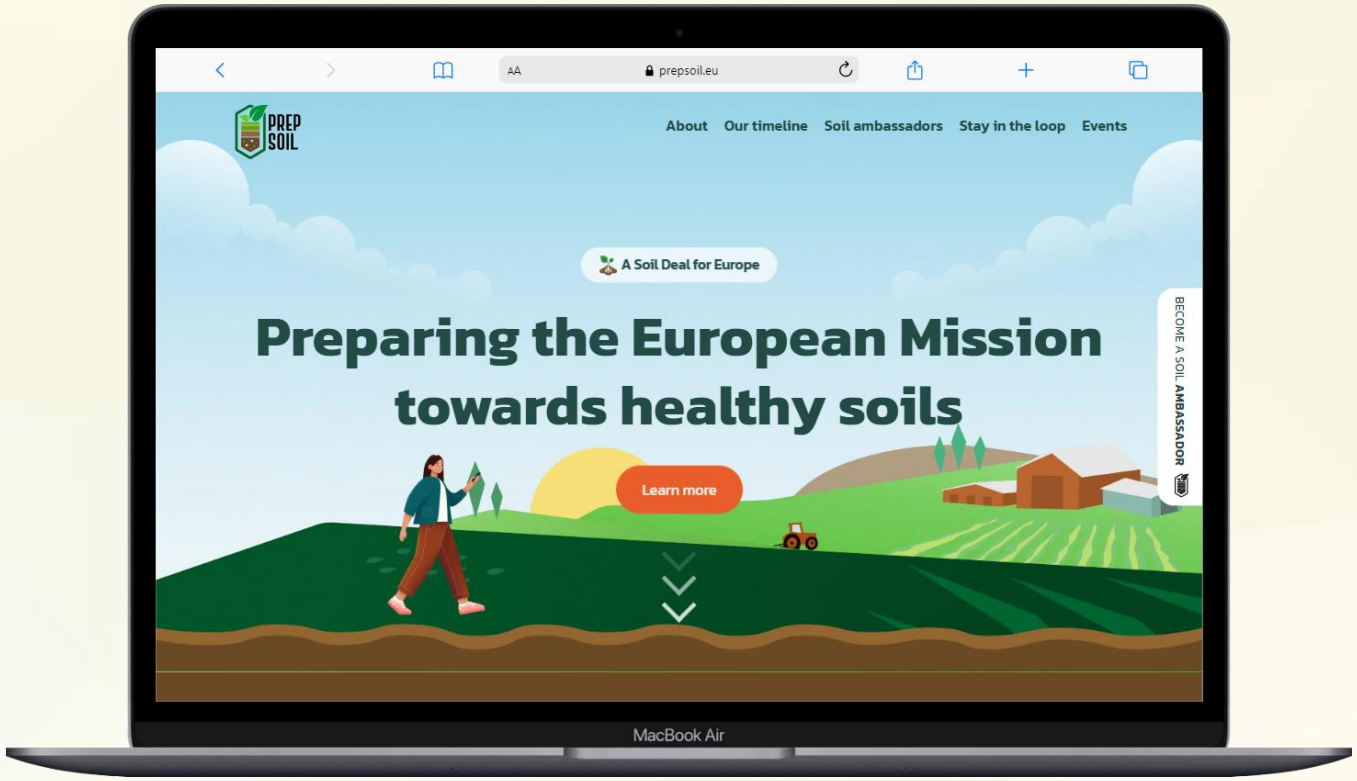
The PREPSOIL landing page is live!



https://prepsoil.eu/ - also follow on SOME – e.g. LinkedIn

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Collaboration with related projects

Project acronym	main focus	coordinator
SMS	LL, SRIA	ZALF
EJP Soil	Climate-soil, natl soil hubs	INRAe
Natioons	LL, Natl engagement sessions	AU
TRAMI	inter Mission collaboration	
AE4EU	Csa supporting the agroecology partnership	ISara
All Ready	Csa supporting the agroecology partnership	INRAe
Humus	Local municipalities in soil mission	ANCI
Nbsoil	Training of soil advisors	IUNG
Invest soil	Business models for soil health	
Soil Values	Business models for soil health	
EUSO	Reference data for soil	JRC
NOVAFERT	Environm. assessment of biofertiliser from wastes	University of Ghent
NUTRI-KNOW	Prototype of nutrient management platform	University of Ghent
NATIOONS	Organise national events and other activities to promote the soil mission in EU and other countries	AU

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PREPSOIL activities to create interaction spaces, generate awareness and improve the knowledge base of different stakeholders

Literacy and awareness activities	Land managers and urban planners	Academia	Policy-makers	Citizens	Businesses	Agents of transition	Students & teachers	Geographic focus: EU → national → regional / local
WEB PORTAL								
Interactive LL map	✓	✓	✓			✓		↔
Knowledge hub	✓	✓	✓	✓		✓	✓	↔
Soil Ambassador area						✓		↔
CoP forum-like areas	✓	✓	✓			✓	✓	↔
PREPSOIL TV				✓	✓	✓	✓	↔
AWARENESS, CAPACITY BUILDING AND CONNECTIVITY								
Mission & LL promotion camp.	✓	✓	✓					↔
Monitoring capacity building activities	✓		✓					↔
Awareness raising activities at local level				✓	✓	✓		↔
Promotion of soil education best practices			✓	✓			✓	↔
Enhancing vocational, professional & life-long learning	✓	✓	✓				✓	↔
National Soil Hubs and EU network	✓	✓	✓					↔

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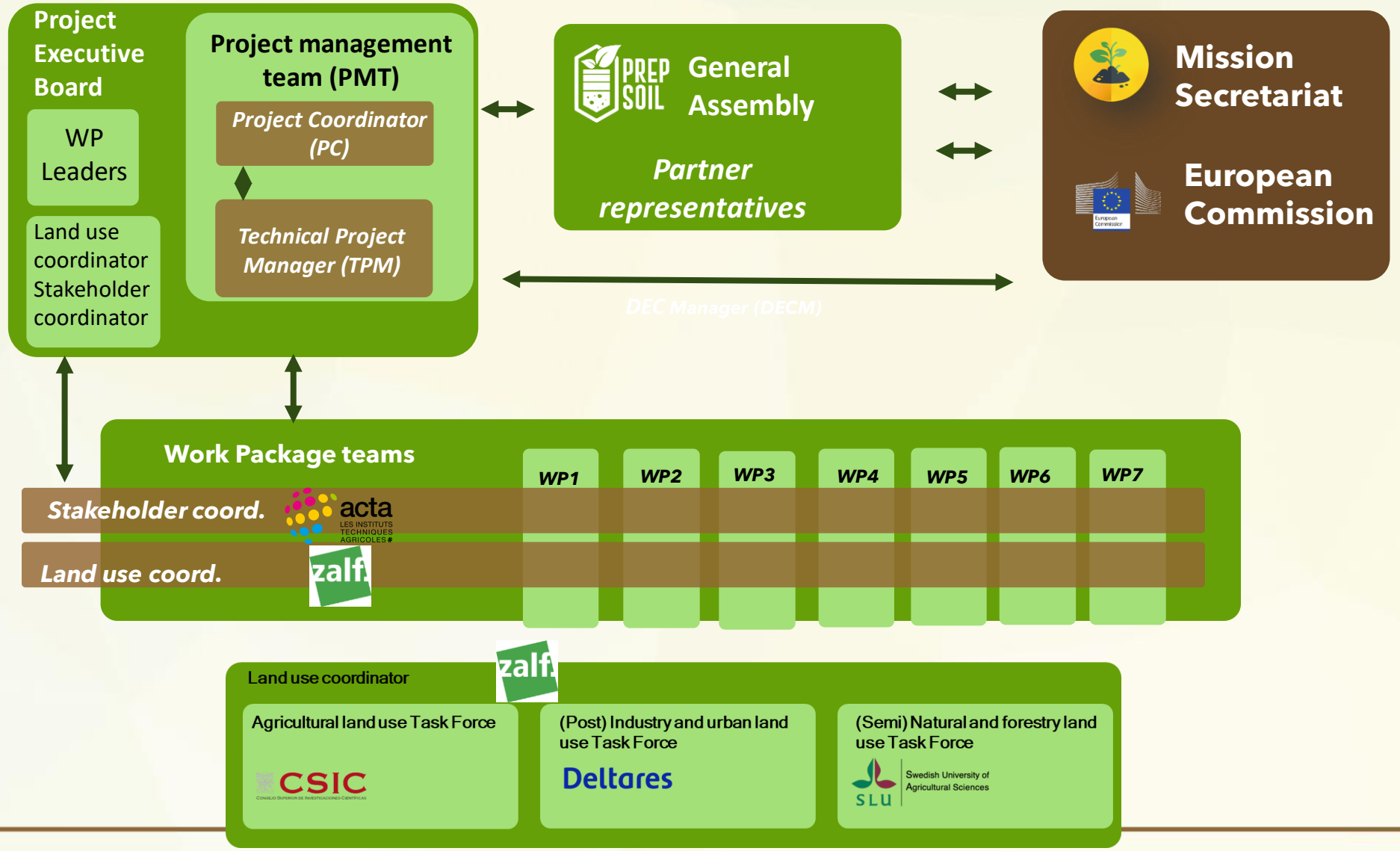
Governance structure



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Dissemination, communication and exploitation

Stakeholder management

acta LES INSTITUTS TECHNIQUES AGRICOLES#

European level

AARHUS UNIVERSITY

National Soil Hubs

NIBIO NORWEGIAN INSTITUTE OF BIOECONOMY RESEARCH

Local/regional level

Evaluation of soil needs

European Network of Living Labs

LL and LHs interactions

European Network of Living Labs

DEC manager

Trust-IT Services communicating to markets

Scientific steering

AARHUS UNIVERSITY

Web Portal

Trust-IT Services communicating to markets

- Virtual communities, LL Atlas
- Multi-lingual knowledge hub
- Soil TV, promotional sections

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