



PREP SOIL

PREPSOIL CSA to support the Soil Mission

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Agriculture, Aarhus University



Funded by
the European Union

*[Find out more on
www.prepsoil.eu](http://www.prepsoil.eu)*

**KEY
PRINCIPLES**

STOCKTAKING

From previous initiatives, especially on agricultural soils.

OPEN SCIENCE

By default, multiplying the impact.

FLEXIBLE

Smooth communication and adaptation to the Mission's needs.

CAPABLE

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

Main activities and outcomes

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, at least in 19 regions, focusing in the landscape level.



MONITORING

Assessment of indicators for different land uses, exploring EO and 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, ALL-Ready,...
Expanding to different soil use types and broader scope of Soil Mission

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, Bulgaria, Croatia, Austria, Cyprus, Ireland, Luxembourg, Malta, Portugal, UK, Slovenia, Finland, Latvia, Estonia, Lithuania)



PREPSOIL web portal, online community engagement and training, One-stop shop platform (Lead partner: Trust-IT)

- ✔ To equip stakeholders with tailored digital networking tools to connect and exchange, including LL atlas and virtual CoP forums;
- ✔ To connect and improve access to existing quality resources including to science-based information through a multi-lingual knowledge hub;
- ✔ To offer ‘best-of’ online materials to inspire citizens, educators, etc.;
- ✔ To promote and support virtual interaction on best practices on social innovation and soil education, including Soil Ambassadors,



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We're looking for agents of change


PREPSOIL will soon need you!

Raising the awareness on the challenges that our planet's soil is experiencing won't be an easy task.

That's why **we're looking for experts** to help us spread soil literacy across all sectors of society, from industries to schools.

By expressing your interest and becoming one of our agents of change:

- you will be part of a pool of recognised experts that can contribute to our knowledge hub
- you will contribute actively with your experience from the field, sharing with us the challenges and needs you face on a daily basis
- you will be involved in our development phases, so we can build a better digital experience for you and for the other PREPSOIL visitors
- you will be among the firsts to be involved

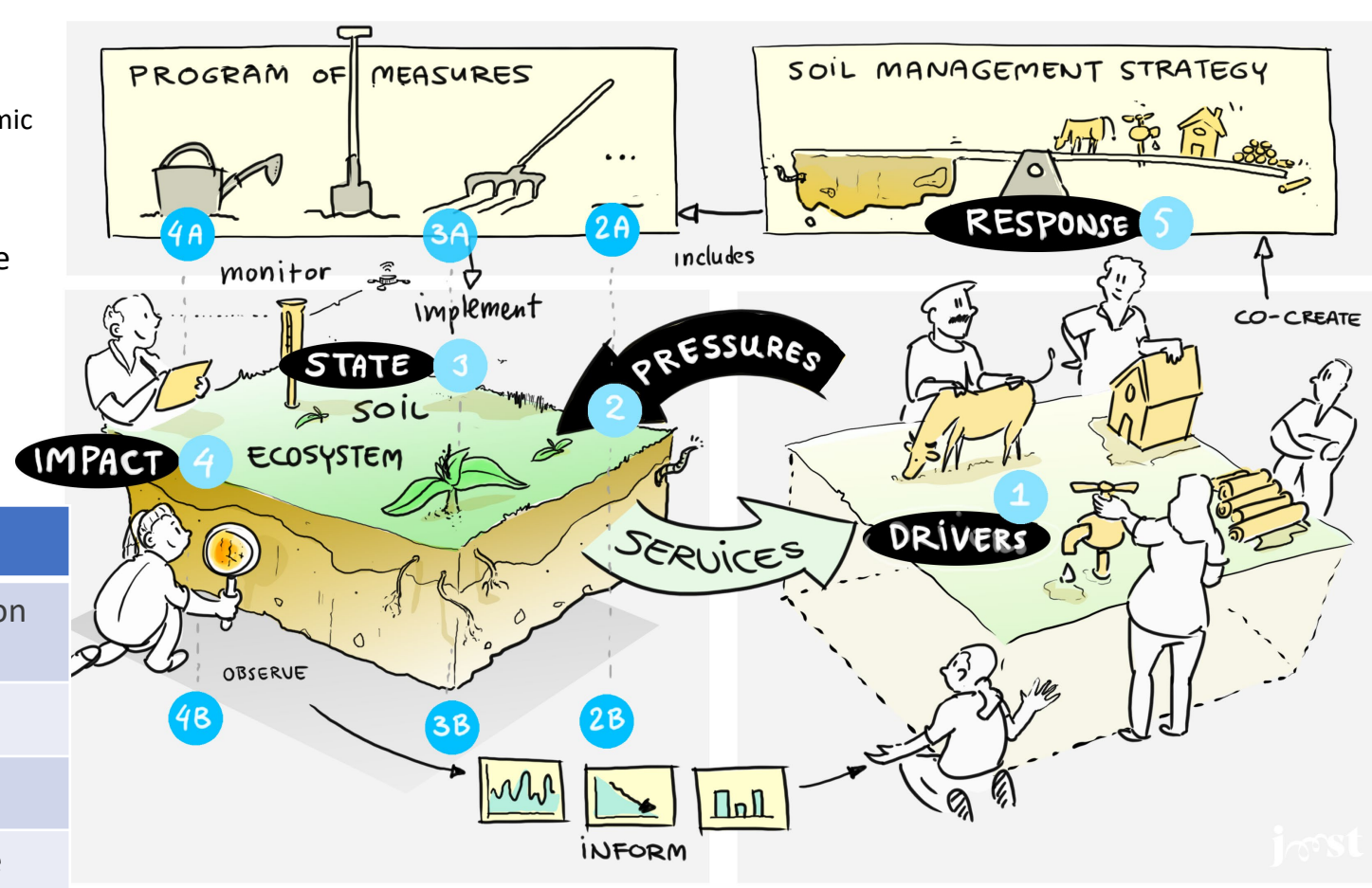
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Identification, mapping and evaluation of EU regional *soil needs* in 19 contrasting regions (Lead partner: WR)

Goal: Soil needs to kick off a wider appraisal effort across the EU regions.

- ✔ A region in transition: includes a site where:
 - ✔ sustainable management (from both a biophysical and socio-economic point of view) is planned or is already in place
 - ✔ Have site(s) where the transition is possible.
- ✔ A region is representative of other regions in EU where they have similar (so the majority of Europeans will recognize themselves):
 - ✔ Soil (threat)/soil needs
 - ✔ Drivers: e.g Climate (change)
 - ✔ Land use/management type
 - ✔ Socio-economic conditions



- Region #:.....
- Level 1: Drivers:** External trends, shocks, Demand changes, Degradation forces, Involved stakeholders, Involved natural processes
 - Level 2: Pressure:** Which soil needs appear, Soil management needs
 - Level 3: State:** Determine status of soil health
 - Level 4: Impact:** Trade-offs of changing state, Impact of changing state
 - Level 5: Response (soil strategy incl. POM):** Options for soil health improvement, Which stakeholders, Soil policy needs, Soil information needs



Monitoring frameworks and soil indicators

(lead partner: INRAe)

Main objectives:

- to consolidate the Mission's soil monitoring framework: How to extend current and new results obtained on agricultural soils to natural, forest, urban and industrial soils?;
- To assess the possibility of using satellite-based EO at different scales and citizen contribution to soil observations;
- To define training needs on soil health monitoring and indicator use and give first input to capacity building.
- To assess the feasibility of citizen science engagement for soil monitoring according to soil needs and LLs

8 indicators proposed by the Mission board Soil Health and Food

- (1) Presence of soil pollutants, excess nutrients and salts;
- (2) Soil organic carbon;
- (3) Soil structure including bulk density and the absence of soil sealing and erosion;
- (4) Soil biodiversity;
- (5) Soil nutrients and pH;
- (6) Vegetation cover;
- (7) Landscape heterogeneity;
- (8) Area of forest and other wooded lands.

Important interactions to have with other European or national projects

EJP Soil: SIREN, SERENA, STEROPES ...
HORIZON: BENCHMARK ...

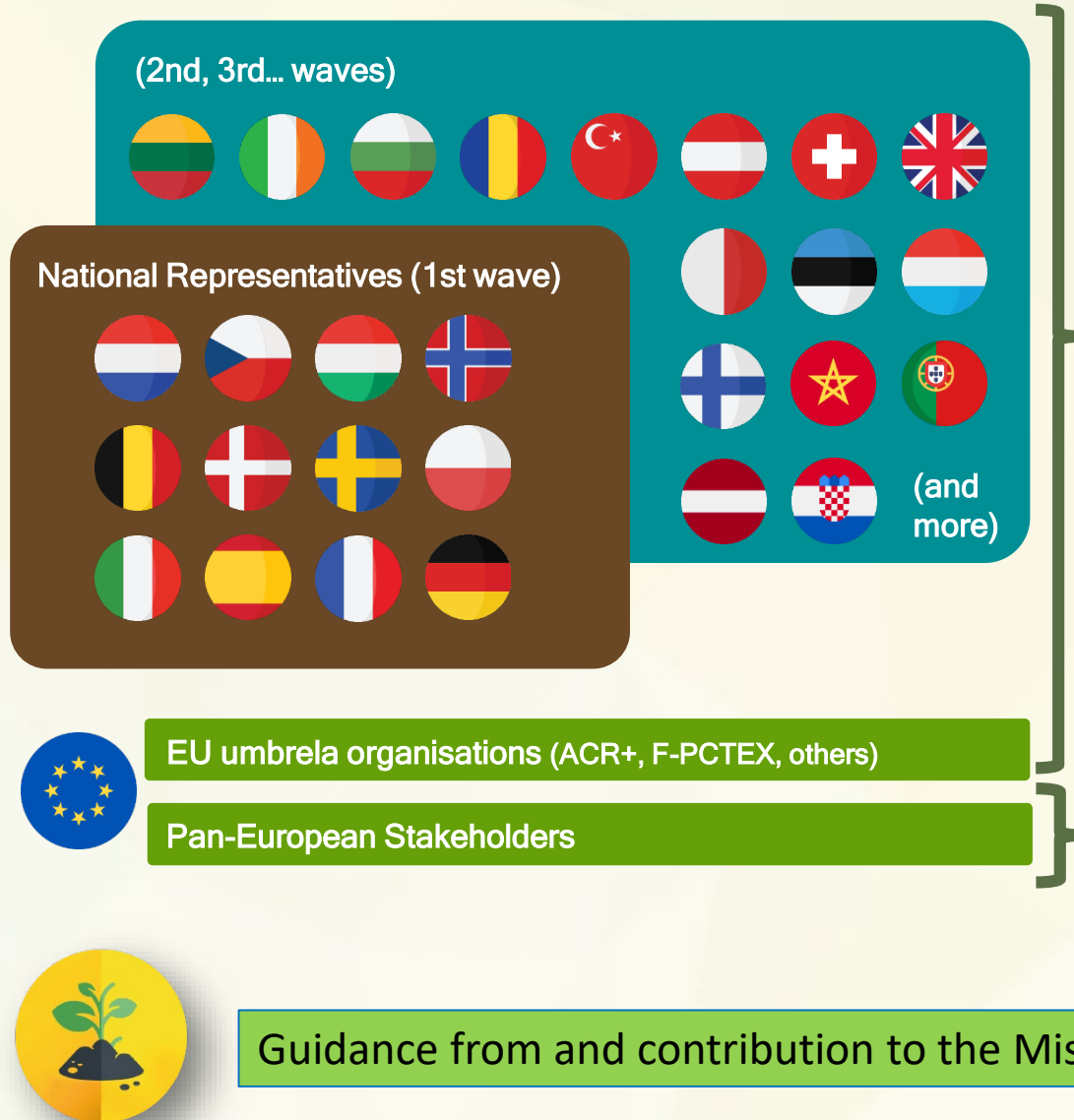




Awareness raising through engagement of Communities of Practice (CoP) and soil advocates (Lead partner: NIBIO)

- ✔ **Communities of Practice (CoP):** group of people who "*share a concern or a passion for something they do and learn how to do it better as they interact regularly*", e.g. farmer groups doing trials, alternative farming and food movements (organic, conservation ag., regenerative etc.), local and regional environmental groups, soil protection NGOs etc.
- ✔ **Agents of Transition /Soil advocates:** Individuals/organizations who are seeking to advance sustainable soil management, usually with a higher level of technical expertise within agronomy, regenerative agriculture, agroecology, permaculture, organic farming, etc.
- ✔ **Soil ambassadors:** celebrities/people of high public influence with an interest in soil protection and improvement and/or soil innovators who are showing the way in practice AND have a large public influence or following.
- ✔ Prepsoil partners will *Identify these actors in Europe, present to them the project, reflect upon soil health challenges in Europe, and discuss and show case their efforts and ideas for improving soil health as described in the Soil Mission.*
- ✔ *These interactions will be mostly documented via videos, and recorded webinars that will be uploaded to www.prepsoil.eu but also other print, and audio recordings will be used.*
- ✔ *Video content that is created for prepsoil will be reviewed and edited as necessary to ensure quality and consistent messaging by an editorial working group from among prepsoil task partners*





Multi-Actor Soil Health National Hubs

Ready as platforms to engage to when implementing PREPSOIL, the Mission activities and upcoming projects and consultations.

Pan-European Stakeholder Network



Key principles

- Multi-disciplinary, well positioned consortium
- Operational capacity for widespread European activities
- Balance in land-use stakeholders and geographical coverage
- Flexibility of work plan execution



PREPARING THE GROUND

- Stakeholder analysis and initial engagement
- Preparation of the contents to be mainstreamed through events, webinars, and other activities
- Full coordination with the Mission Secretariat, Mission Implementation Platform, and related projects



NATIONAL ENGAGEMENT SESSIONS

- Overarching national events implementation and monitoring plan.
- Execution of events in each MS and AC



SUPPORTING APPLICANTS

- Coaching sessions for applicants by trained mentors
- E-learning materials and capacity-building webinars
- Matchmaking events for consortia generation
- Helpdesk to support applicants



DISSEMINATION, EXPLOITATION AND COMMUNICATION

- Overall DEC plan, project's website and brand image, events and activities layouts and template.
- Exploitation of knowledge gathered during the project.

Consortium and coverage

Key network group

