

Living Labs for Soil Health

SOILL Support Structure

'Soils for Europe'

European Parliament, 30th April

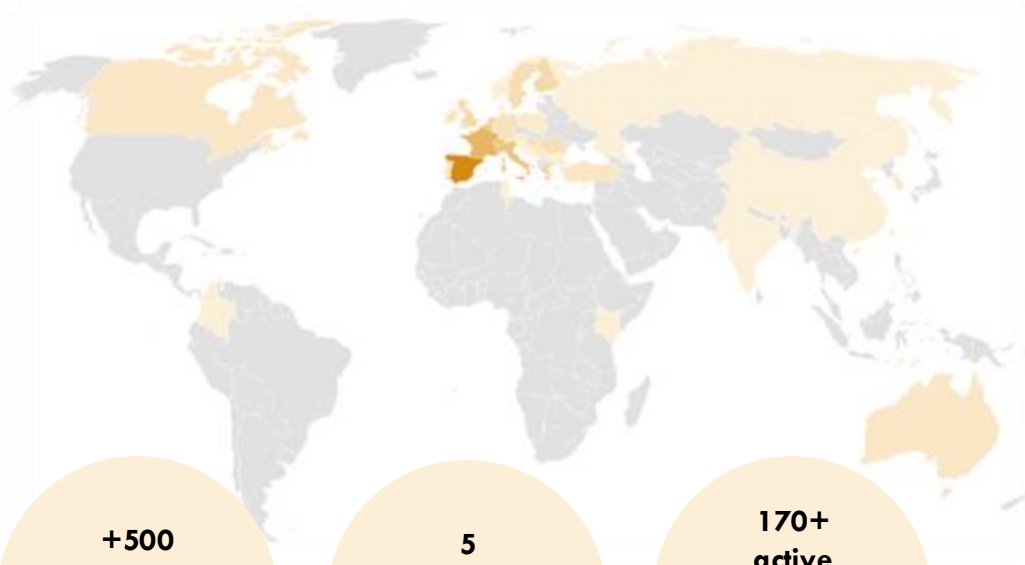
Wim de Kinderen, ENoLL Chairperson



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ENoLL – the international non-profit association of certified Living Labs



+500
historically
certified
living labs

5
continents
38
countries

170+
active
members
(89% in
Europe)

- Founded in 2006 under the auspices of the Finnish European Presidency
- ENoLL focuses on facilitating knowledge exchange, joint actions and project partnerships among its members
- Its aim is to **promote** the Living Labs concept, **support EU policies**, **enhance Living Labs and their sustainability** and **enable their implementation at a global level**.
- ENoLL growing community includes members that operate by the main living lab principles such as **multi-stakeholder co-creation**, **iterative active user involvement** and **real-life intervention**.



Certification & Labelling
Quality evaluation
procedure, formal
certification



Capacity Building
Learning
programmes
for LL creation and
ENoLL certification



Working Groups
Knowledge
exchange &
collaboration on hot
topics



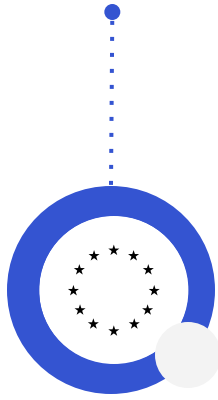
Active in **20+ EU-funded projects** to
support LL creation
and strengthen the
impact of LL

Living Labs EU-wide recognition

25 topics within **Horizon Europe (23-24)** explicitly ask to set-up/use Living Labs



Zero pollution & Green Deal
Joint Working Groups EC & ENoLL



Living Labs cited as one of the five flagships of the **New European Innovation Agenda**



Living Labs recognised as best practice for **SSH research infrastructures** and as **emerging Technology Infrastructures** in the European Research Area



Partnership for Agroecology
Structure and support a network of Living Labs and research infrastructures to accelerate the transition towards agroecology throughout Europe



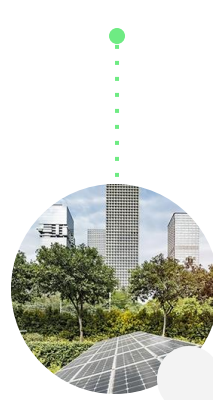
A Soil Deal for Europe Mission
Creation of 100 Living Labs and Lighthouses in Europe, to lead the transition towards healthy soils by 2030



Cancer Mission
Establishing of oncology-centred living labs, contributing to the positive impact of efforts by industry and SMEs on the health of citizens



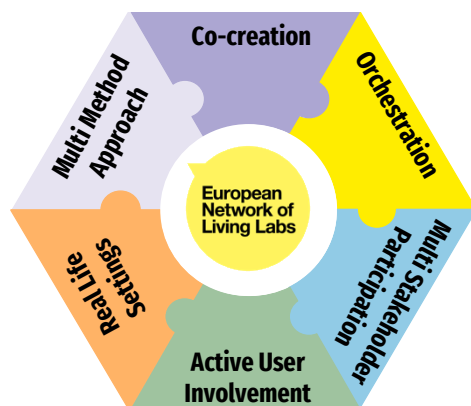
Climate-neutral and smart cities Mission
Synergies with networks that promote piloting activities such as living labs



What are Living Labs?

European
Network of
Living Labs

Living Labs are **open innovation ecosystems** in **real-life environments** based on a **systematic user co-creation approach** that integrates research and innovation activities in communities, placing **citizens at the centre of innovation**



Living Labs operate as **intermediaries** among **citizens, research organisations, companies and government** agencies or levels for joint-value co-creation, rapid prototyping or to scale up innovation and businesses.

They are open innovation ecosystems in **real-life** environments using **iterative feedback processes** throughout the lifecycle approach of an innovation



“Soil health living labs” are defined as “**user-centred, place-based** and **transdisciplinary research and innovation ecosystems**, which involve land managers, scientists and other relevant partners in systemic research and codesign, testing, monitoring and evaluation of solutions, in **real-life settings**, to improve their effectiveness for soil health and accelerate adoption.

The first 45 Mission Soil LLs (wave 1&2)

ALGERIA/TUNISIA

NEW! NEMESIS LL5

BELGIUM

NEW! GroundWork LL4

BULGARIA

NEW! Bulgarian Viticultural SHLL (BUV SHEL)

CYPRUS

NEW! NEMESIS LL1

FRANCE

Loire Valley & Beaujolais LL

Basque LL

South of France Agro LL (SoFrALL)

French LL SOILCRATES - Landes

SolviTerra

NEW! NEMESIS LL2

GERMANY

NEW! GroundWork LL2

NEW! TRAILS4SOIL LL3

GREECE

Greek Carbon Farming LL

Greek Mine SHLL

Aegean LL

Thyrea LL

NEW! URISOILL LL3

IRELAND

Living Lab SOILCRATES
Ireland Mid-West

ISRAEL

Upper Galilee LL

ITALY

NW Italy - Piemonte LL

SHARE Innovation Lab

Italian LL

NEW! NEMESIS LL3

NEW! URISOILL LL4

LUXEMBOURG

NEW! URISOILL LL5

MOLDOVA, ROMANIA & UKRAINE

NEW! TRAILS4SOIL LL4

NETHERLANDS

Living Lab SOILCRATES
North Netherlands

POLAND

Grójec LL

PORTUGAL

Luso-Galician LL

Iberian Living Lab

NEW! GroundWork LL1

NEW! TRAILS4SOIL LL1

SERBIA

NEW! GroundWork LL5

SLOVENIA

NEW! TRAILS4SOIL LL5

SPAIN

Andalusian LL

South Eastern Spain SHLL (SES SHEL)

NEW! TRAILS4SOIL LL1

NEW! NEMESIS LL4

NEW! URISOILL LL2

SWEDEN

SWEdish SHLL (SWE LL)

NEW! GroundWork LL3






NEW! URISOILL LL1





SWITZERLAND/AUSTRIA

NEW! TRAILS4SOIL LL2

AlVelAl Living Lab
Menorca Living Soil
Granada SOILCRATES LL



 Agriculture
 Forestry
 Natural
 (Peri) - Urban
 (Post) - Industrial

 GOV4ALL
 SOILCRATES
 iCOSHELLs
 LivingSoiLL
 LILAS4SOILS
NEW! Wave 2 - projects under GAP

Browse the SOILL
MSLL catalogue!



What is SOILL?

SOILL Support Structure
for Soil Living Labs



SOILL aims to set up and run an **effective, agile, transdisciplinary, diffuse, open** and **fair** one-stop-shop structure to coordinate, support, enlarge, and promote the network of 100 living lab and lighthouses funded under the Soil Deal Mission and ensure their **co-created user-centred, harmonized, reliable, impactful, replicable**, and **sustainable** lead of the transition towards healthy soils.



What does SOILL offer?

Coordination and support

Dedicated priority contacts for Living Labs
Access to information on Living Labs



Monitoring and Evaluation

Monitoring framework
Guidelines, Reporting,
Recommendations



Training & Capacity building

SOILL learning journey (online, in person, mentoring)
Helpdesk



Knowledge sharing & Networking

Exchange with peers
Knowledge sharing events
SOILL Working Groups



Engagement & Promotion

Living Lab Catalogue & Atlas
Presentations & tailored news
Awards
Engagement events across Europe

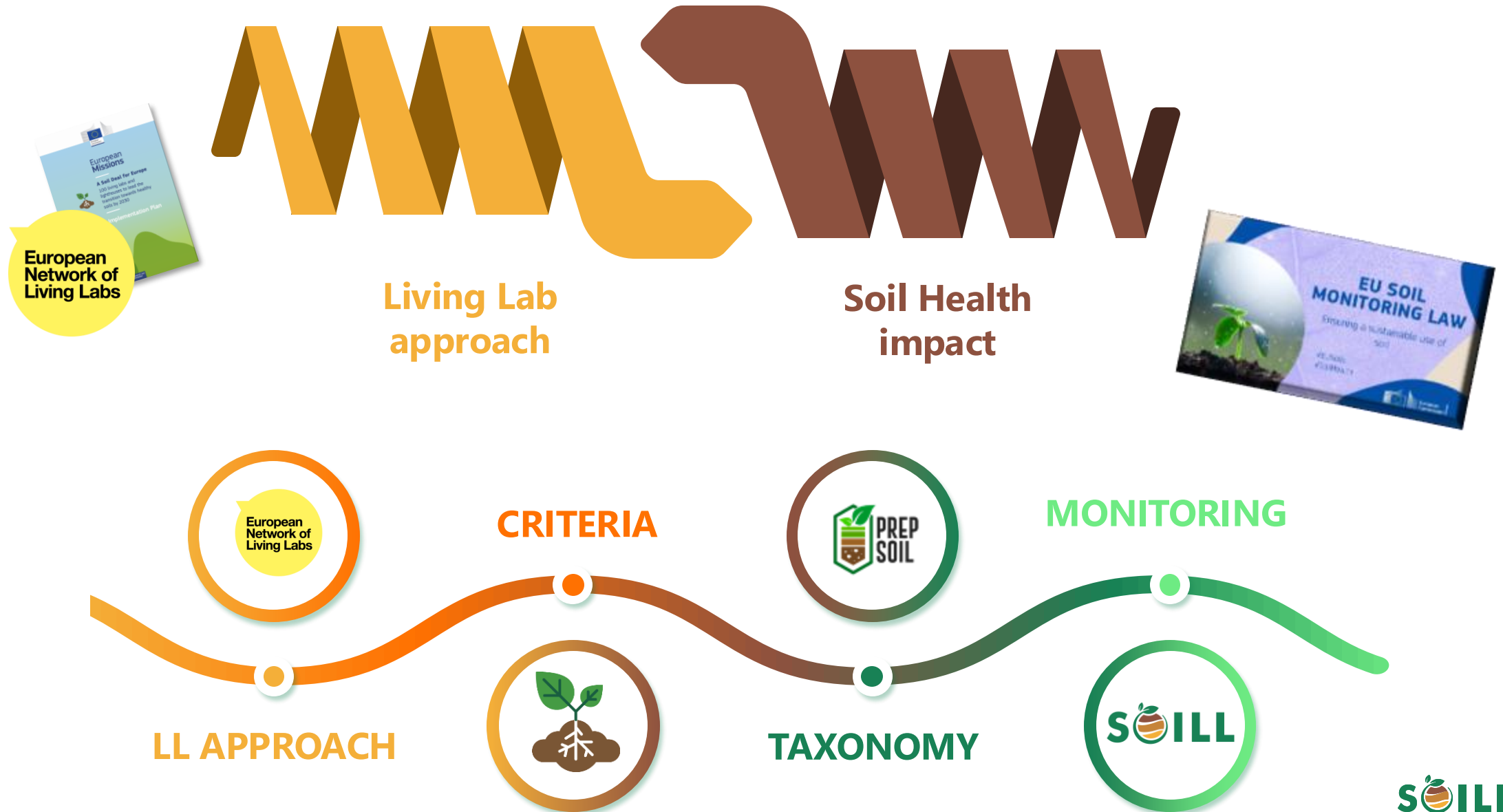


SOILL Hub

Living Labs profile & Atlas
Matchmaking/marketplace
Knowledge repository
Communication & exchange



SOILL systemic approach to LL monitoring & evaluation



SOILL harmonized LL monitoring & evaluation framework

THE SOILL MONITORING FRAMEWORK

STRATEGY



OPERATIONS



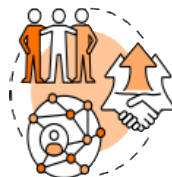
IMPACT & MONITORING



USERS & REALITY



OPENNESS



Quantitative assessment:

- Which soil parameters monitored
- For each, use of descriptors proposed by the Soil Monitoring directive

Qualitative assessment:

- Overview of soil health monitoring scheme
- List of parameters
- Sampling scheme
- Lab analysis methodology
- Threshold/reference values

How does SOILL contribute to the implementation of the Soil Monitoring Law?

The role of Living Labs

- Test **soil health proposed indicators and monitoring methods** on-site.
- Provide high-quality, locally relevant data.
- Pilot **sustainable management practices** that can be scaled up EU-wide.
- Help translate the directive into **actionable, place-based** strategies.
- Provide feedback on implementation of the Law (**regulatory learning**)

The role of SOILL

Monitor the correct alignment to the directive in sampling, monitoring & reporting.

Act as a **mentor and coordinator**, ensuring that Living Labs:

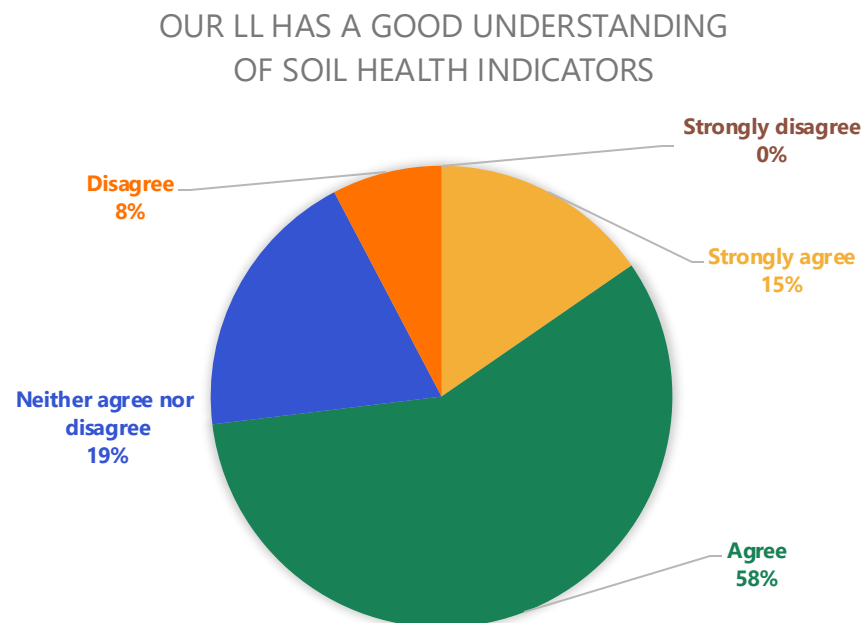
- Align with the objectives of the Soil Monitoring Directive.
- Collect knowledge and data on soil monitoring practices
- Provide guidance and support for scaling successful approaches.

Report and facilitate knowledge exchange on alignment across Europe, difficulties emerged, and lessons learned (**regulatory learning**)

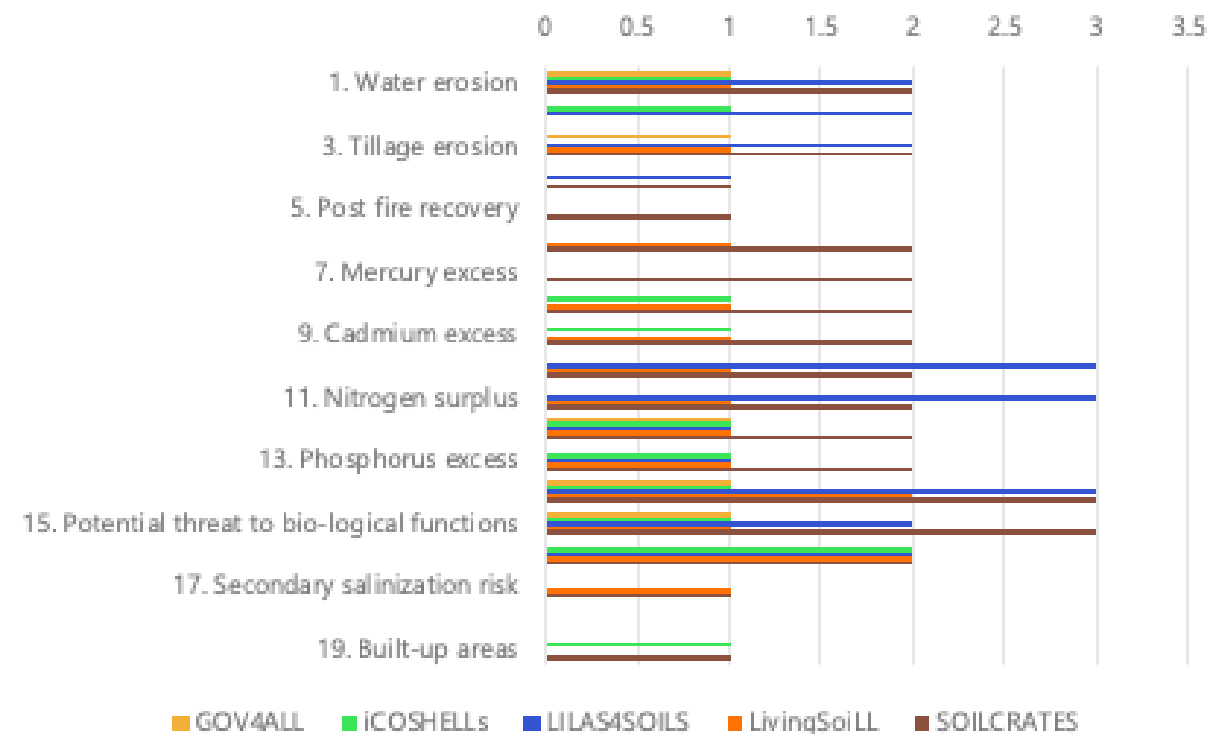


Soil Monitoring Law

The first partial & preliminary data [1st wave]*



72% of LLs have at least outlined an M&E approach, many are still refining their frameworks, indicating that structured M&E is not yet fully embedded across all projects.



Please note: the original data was collected based on the EUSO 19 degradation criteria. New data are currently collected based on the Soil Monitoring Law proposed parameters

* Data collected by SOILL through onboarding questionnaire to wave 1 LLs. More & more accurate data are currently collected by SOILL M&E of wave 1 LLs, public report will be made available in late Summer/early Fall 2025



Thank you

Connect with us for more information



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