



AGÊNCIA NACIONAL
DE INOVAÇÃO

Candidaturas ao concurso 2024 da Missão Solo – Calendário e Recomendações

Maria João Fernandes, ANI - Programas I&I Europeus

Coimbra, 15/05/2024

HORIZON EUROPE

PERIN



AGÊNCIA NACIONAL
DE INOVAÇÃO



Fundação
para a Ciência
e a Tecnologia

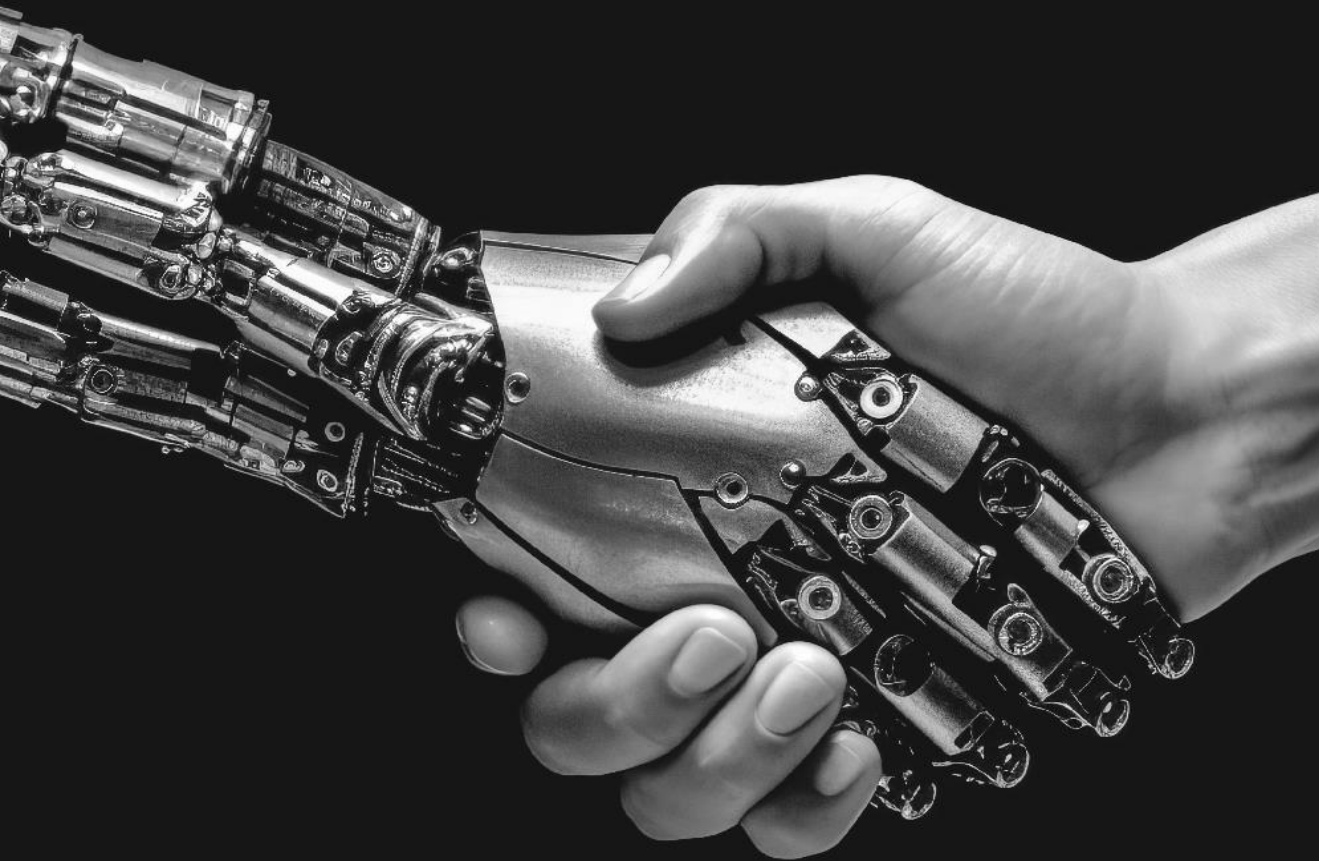
AICIB

AGÊNCIA DE
INVESTIGAÇÃO
CIENTÍFICA
E INOVAÇÃO
BIOMÉDICA



AGÊNCIA ESPACIAL
PORTUGUESA





Nesta apresentação

- 1) Ponto de situação da implementação da Missão Solo**
- 2) Resultados dos tópicos do WP2023**
- 3) Call 2024 da Missão Solo**
- 4) Onde encontrar mais informações e apoio**

**Soil Mission
implementation
state of play**





Mission Soil R&I programme state of play

≈EUR 320 million (2021-2023)

➤ 2021-2022

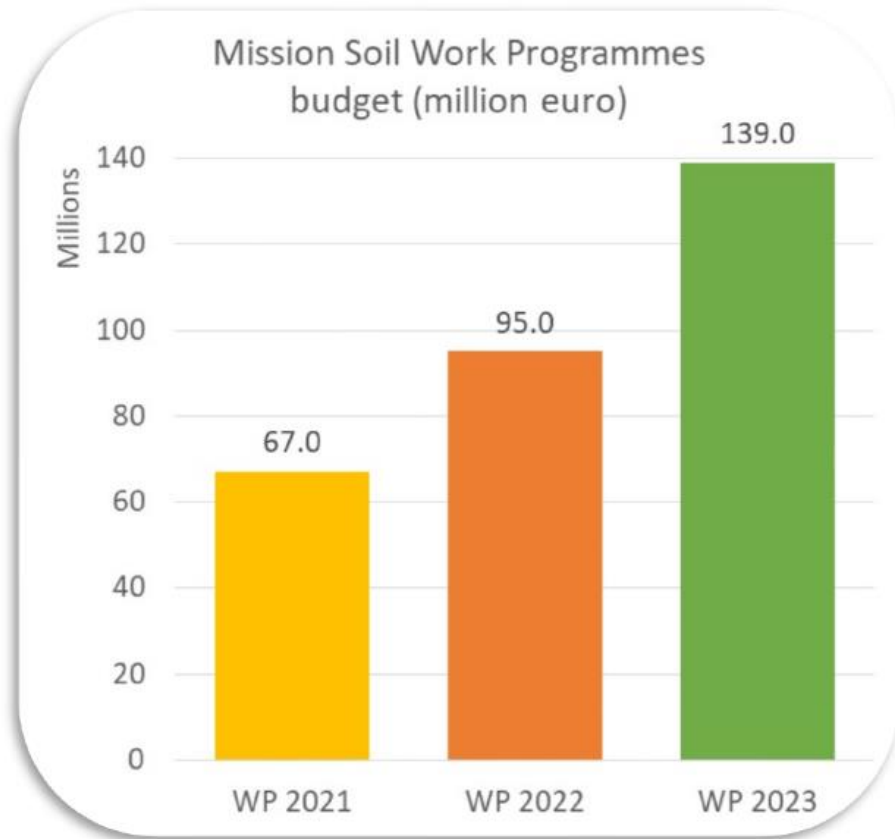
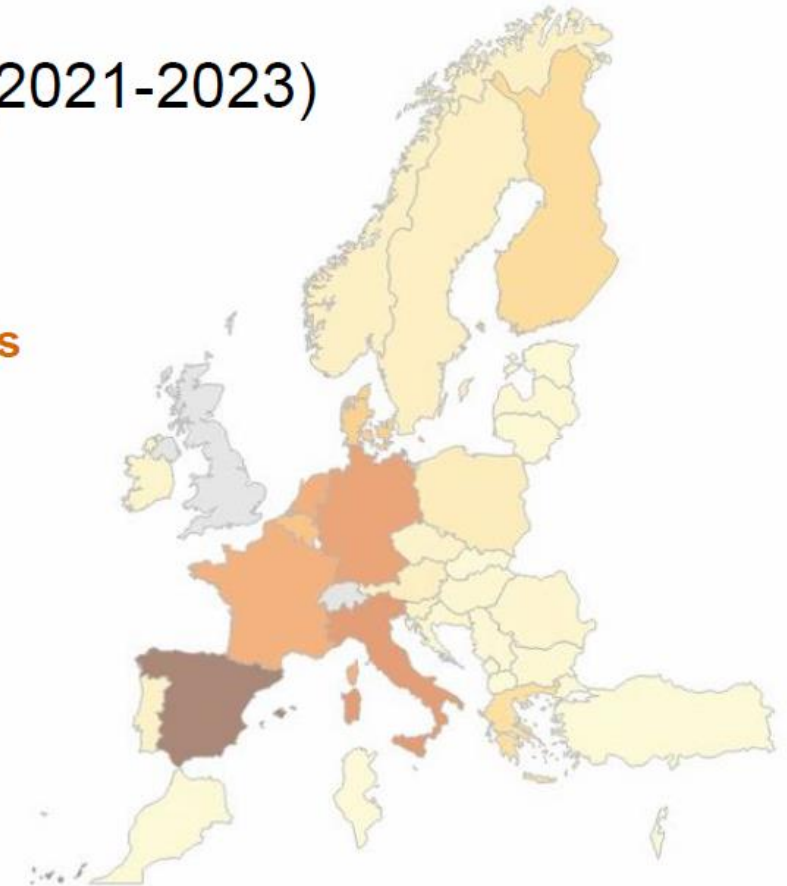
- 29 ongoing projects
- ≈360 participants

➤ 2023

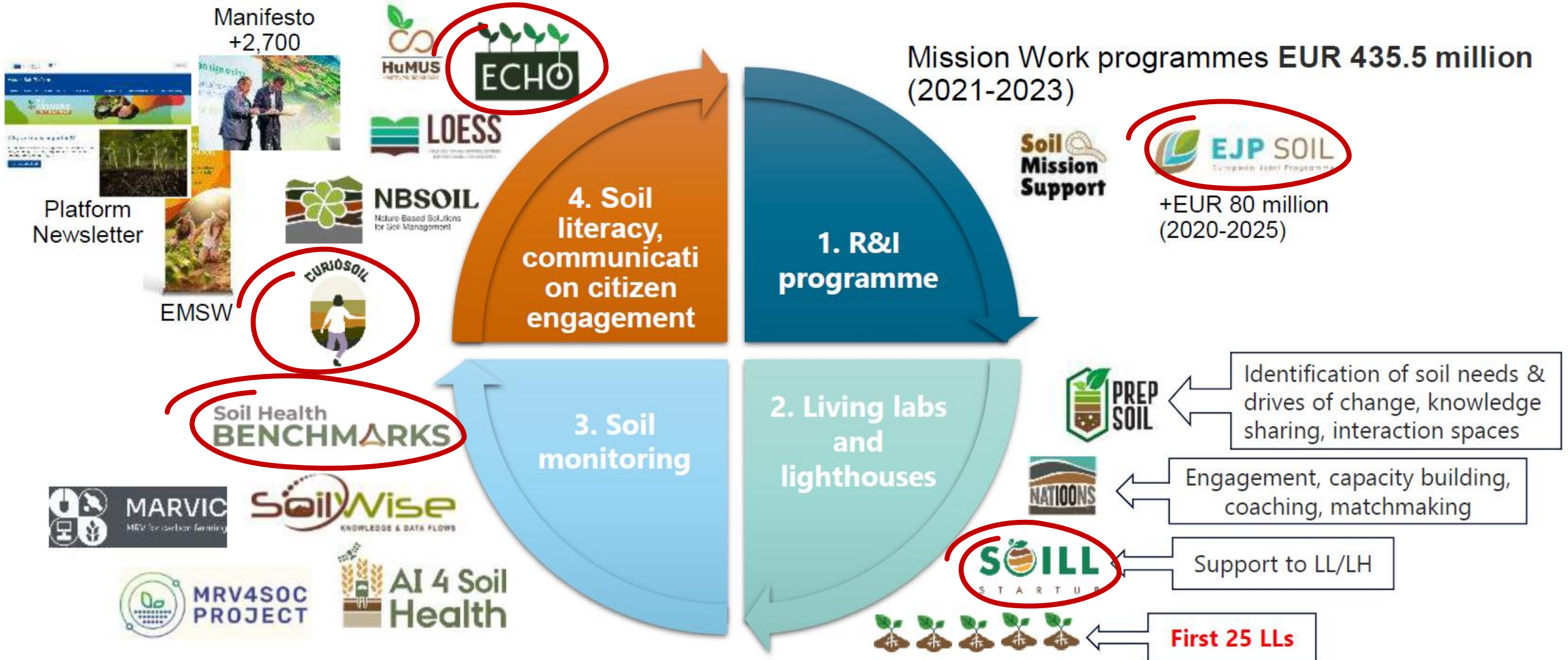
- +19 new projects
- First 25 living labs

➤ 2024

- WP published on 17 April



Mission implementation – State of play





LLs&LHs development state of play

Phase 1 (2021-2023)

Work programme 2021:

Preparatory actions



Work programme 2022:

LL Support Structure



Work programme 2023:

1st call for soil health LLs

First 25 LLs kicking off

Phase 2 (2024-2026)

Work programme 2024...

Expansion of LL:

Launch of successive calls for expanding the network of LL

→ Emphasis on wide coverage of geographies, soil health challenges, Mission's objectives and land uses.

Phase 3 (2027 onwards)

Scaling up of LL:

Launch of last calls for setting LL

→ Measures to facilitate the mainstreaming, continuation and sustainability of the LL beyond the Mission timeframe

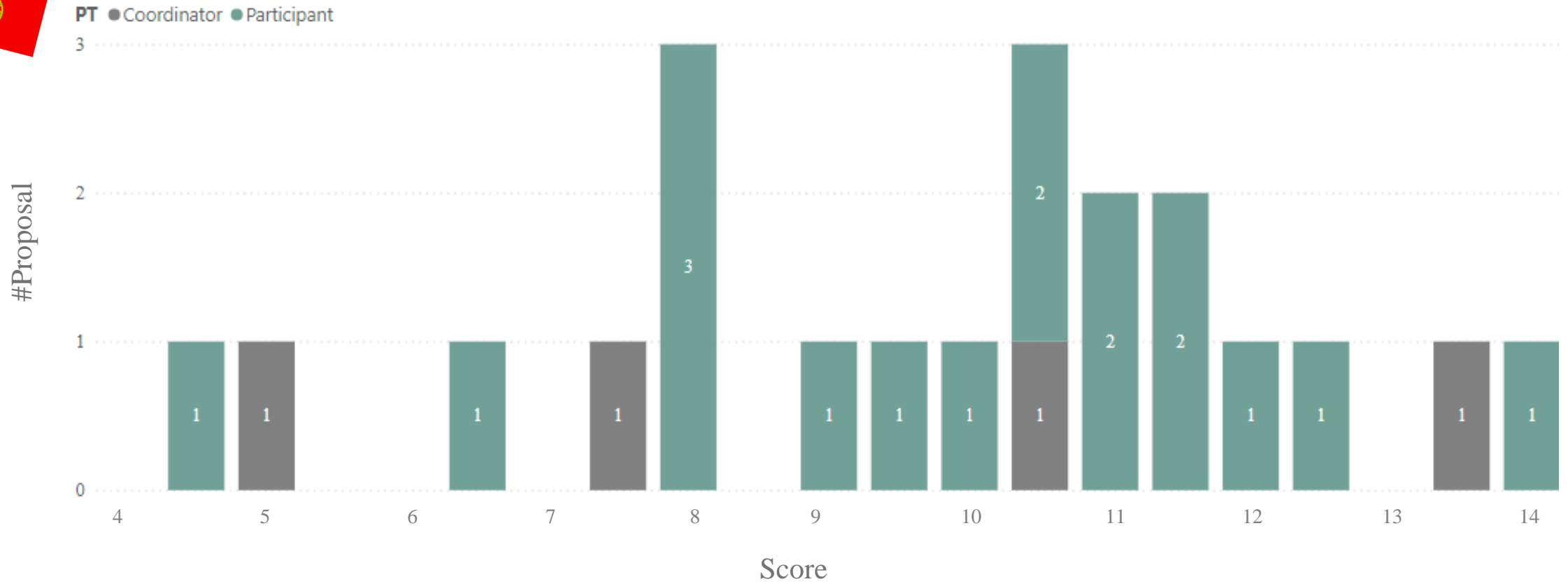
CUMULATIVE NUMBER OF SOIL HEALTH LIVING LABS



**Results from
WP 2023 LL
topics: PT
participation**



Participation in LL topics: distribution of proposals' overall score

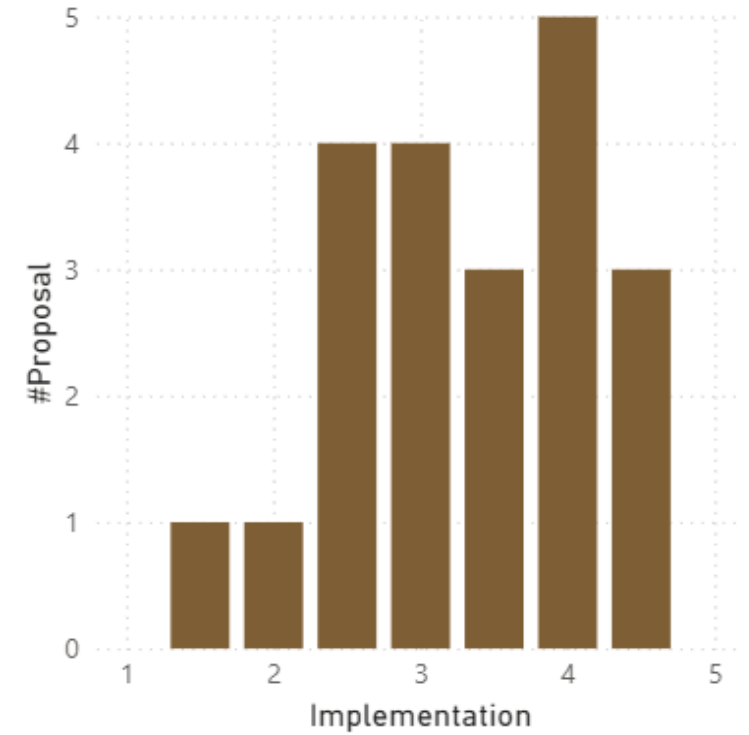
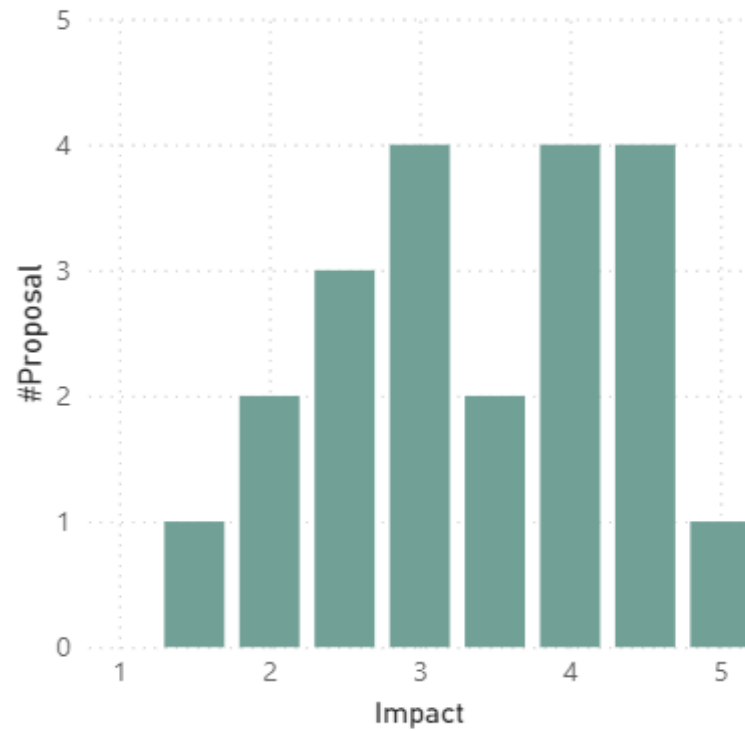
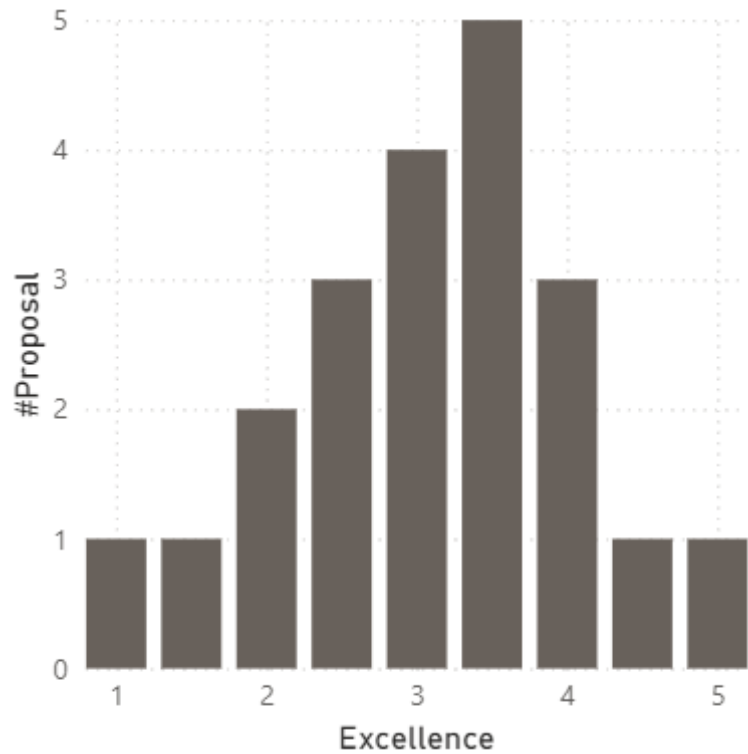


4
as Coordinator

17
as Participant

21
Proposals with PT Participation

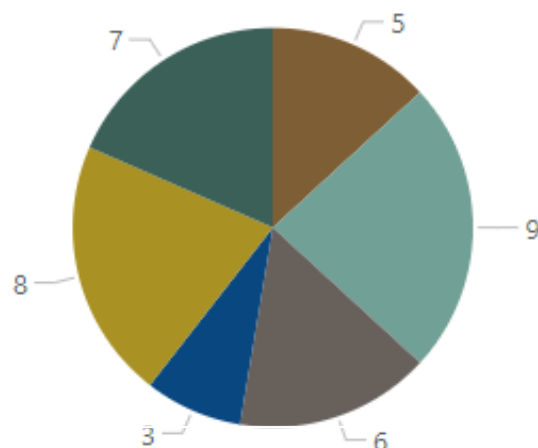
Participation in LL topics: : score distribution by evaluation criteria



Lessons from the 2023 call | Common errors identified in ESR

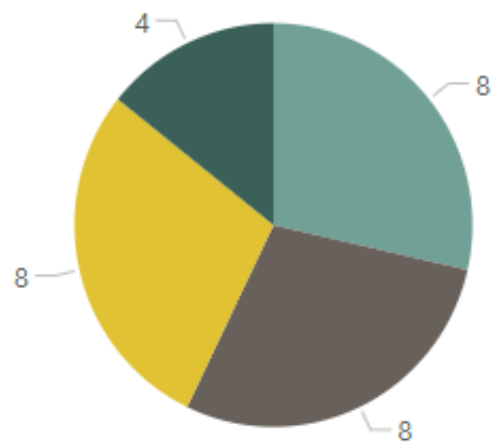
EXCELLENCE

● Integration and Open Science Gaps ● Objective Misalignment ● Inadequate Innovation ● Limited Interdisciplinarity ● Methodological Flaws ● LL Sustainability Issues



IMPACT

● Unclear Impact Pathways ● Barrier Consideration Deficiencies ● Weak Dissemination & Exploitation ● Communication Measures Gaps



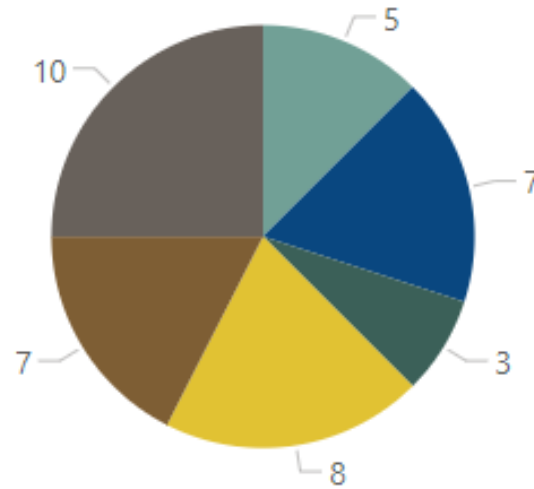
10

LLs Proposals Bellow Threshold (PT
Coordination/Participation)

Lessons from the 2023 call | Common errors identified in ESR

IMPLEMENTATION

● Expertise Issues ● Risk Management Shortfalls ● Unclear Partner Roles ● Insufficient Collaboration Efforts ● Resource Allocation ● Inadequate Work Plan Detail



10

LLs Proposals Bellow Threshold (PT
Coordination/Participation)



Articular claramente as forças motrizes

Destacar o que une o consórcio e o(s) objetivo(s) da proposta.



Candidaturas genéricas

Não apresentar propostas que não sejam específicas na abordagem das áreas de enfoque, missões do solo, desafios e tipos de utilização do solo.



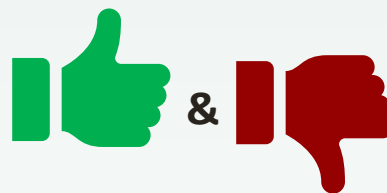
Fornecer detalhes sobre como as atividades serão coordenadas dentro dos LLs

Utilizar investigação atualizada e fornecer informações detalhadas sobre como os LLs aplicarão a cocriação, a coimplementação e o codesign.



Relação vaga com os objetivos do solo e o enfoque

Não referir necessariamente todos os objetivos da missão do solo, mas identificar objetivos específicos para garantir a relevância e o enfoque.



Selecionar os parceiros adequados

Identificar os parceiros com base na sua capacidade para resolver problemas específicos dos LLs.



Funções pouco claras dos stakeholders

Evitar uma descrição vaga dos stakeholders e dos parceiros para garantir uma definição explícita e a clareza das funções.



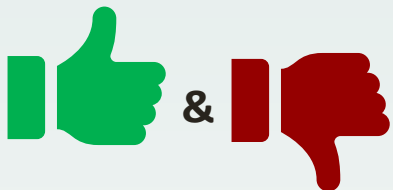
Definir o impacto esperado

Descrever claramente as melhorias previstas e o cenário de base, assegurando que os resultados são tangíveis e mensuráveis.



Ausência de impacto e resultados

Para evitar ambiguidades, distinguir claramente entre o impacto esperado e as concretizações/resultados tangíveis das propostas.



Regiões geográficas claras e justificadas
 Assegure-se de que justifica os aspetos comuns dos LLs nos projetos e como será estabelecida a coordenação entre as regiões.



Evitar um âmbito de aplicação injustificado a nível transregional

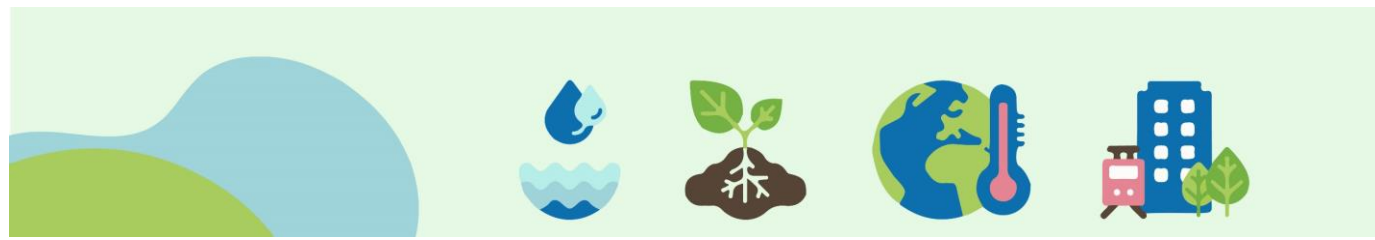
Minimizar os elementos anómalos e, no caso de um local remoto, explicar a gestão e o envolvimento nas atividades de cocriação.



Mission Soil call 2024

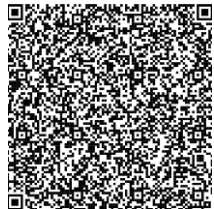
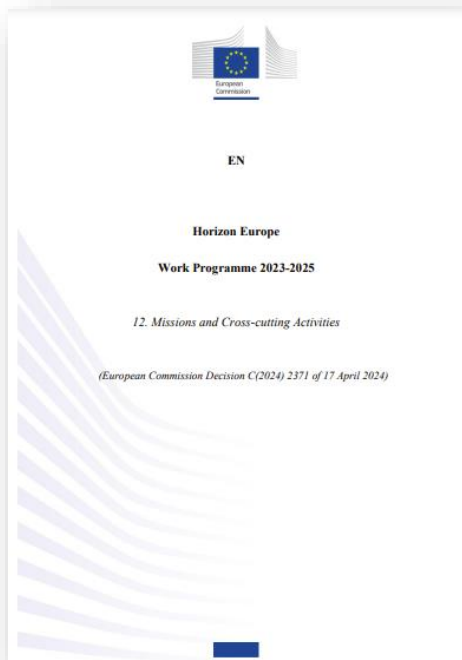


Soil Mission timeline



Call 2024

Single stage topics



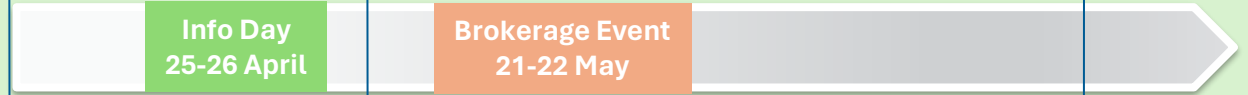
(pp. 266-296)

Opening 2024 topics

WP2024
publication



8
May



17
April

Deadline 



8
October



2024

[List of the 9 Soil Mission Topics](#)



The mission's implementation plan

- A blueprint for the roll-out of the mission, in particular in the first three years 2021-2024.
- Builds on recommendations from the Mission Board and provides details on:
 - **the policy context;**
 - **the intervention logic, phases and timeline of activities;**
 - **R&I priorities incl. innovation “hotspots”:** carbon farming, soil pollution and restoration, soil biodiversity, circular economy solutions;
 - **cross-cutting dimensions:** digital, business, territorial, global;
 - **expected outputs, outcomes and monitoring;**
 - **resources and synergies** with other programmes;
 - **supporting structures.**
- A living document, to be continuously updated.



A Soil Deal for Europe – 100 living labs and lighthouses to lead the transition towards healthy soils by 2030.

Soil health is defined as "the continued capacity of soils to support ecosystem services" and is assessed through a set of proposed, measurable indicators.



Topics 2024

#	TOPICS 2024	Type of Action	Budget (m€)	Contribution per project	Number of projects
1	Co-creating solutions for soil health in Living Labs (BOTTOM-UP)	RIA	36.0	12.0	3
2	Living Labs in urban areas for healthy soils	RIA	12.0	12.0	1
3	Towards a dynamic monitoring system to assess status and spatiotemporal changes of soil erosion at European scale	RIA	11.5	11.5	1
4	Systems to quantify nitrogen fluxes and uncertainties in European landscapes	RIA	11.5	11.5	1
5	Soil health, pollinators and other key ecosystem functions	RIA	7.5	7.5	1
6	Harnessing the multifunctional potential of soil biodiversity for healthy cropping systems	IA	16.0	8.0	2
7	Development of high spatial-resolution monitoring approaches and geographically-explicit registry for carbon farming	RIA	23.0	11.5	2
8	Managing forest peatsoils	RIA	10.0	10.0	1
9	Assessment of soil health in Africa	IA	7.0	7.0	1
	TOTAL		134.5		13

Projects expected to be funded: 13 (CSA:0; RIA: 10; IA: 3)



HORIZON-MISS-2024-SOIL-01-01



POLICY CONTEXT

- ✓ Mission Soil 'A Soil Deal for Europe', specific objectives 1-6 and 8.
- ✓ The Soil Monitoring Law proposal.
- ✓ The European Green Deal targets, such as those related to food and nutrition security, climate, biodiversity, environment and rural areas.



EXPECTED OUTCOMES

- ✓ Increased capacities for **participatory, interdisciplinary and transdisciplinary R&I**, allowing for effective collaboration among research, practice and policy.
- ✓ **Enhancement of soil health in rural or urban areas** where living labs are deployed, based on an established monitoring framework.
- ✓ **Increased availability of practice-oriented knowledge and tools to land managers** → enhanced uptake of solutions for soil health and ecosystem services.
- ✓ **Policy makers** in the EU and Associated Countries are **more aware of local needs** → more effective policies can be designed.

Co-creating solutions for soil health in Living Labs

RIA | 12 M€ | 3 projects

35

Searches of partners to collaborate on this topic

[View / Edit](#)

HORIZON-MISS-2024-SOIL-01-01

SCOPE



- ✓ Set up four to five living labs (LL) to work together on a **realistic combination/selection** of soil health challenges and land use types, contributing to one or more of the Mission's specific objectives;
- ✓ Establish a **detailed work plan** for the research to be done in the LL, ensuring the co-design, co-development, & co-implementation of solutions for the selected soil health challenge(s);
- ✓ Consider the **scaling up** and the **transferability** of solutions;
- ✓ Establish for each LL a **baseline** for the selected soil health challenge(s). As appropriate, use the **indicators** from the Mission Soil Implementation Plan and the Soil Monitoring Law proposal.
- ✓ **Monitor** and assess the effects of the proposed solutions on soil health and ecosystem services. Include a demonstration of the **viability** (technical, economical) of the proposed solutions;
- ✓ Propose strategies to ensure **long-term sustainability**, continuity, impact and ambition of the established LL beyond HE funding.



INDICATIVE BUDGET

12 mln EUR per project
(36 mln EUR in total)

IMPORTANT!



- Describe the rationale for cooperation across the LL within a project.
- Include dedicated tasks and **appropriate resources to collaborate with SOILL** and other relevant projects.
- Beneficiaries may provide **financial support to third parties** to facilitate **stakeholders' engagement** (200 K EUR max).
- **Proposals should fill the proposal table on LL.**



HORIZON-MISS-2024-SOIL-01-02



POLICY CONTEXT

- ✓ Mission Soil ‘A Soil Deal for Europe’, specific objectives 3 (no net soil sealing), 4 (reduce soil pollution), 5 (prevent erosion) and 8 (soil literacy).
- ✓ The Soil Monitoring Law proposal.
- ✓ The European Green Deal targets.



EXPECTED OUTCOMES

- ✓ Increased capacities for **participatory, interdisciplinary and transdisciplinary R&I**, allowing for effective collaboration among research, practice and policy.
- ✓ **Enhancement of soil health in urban areas where living labs are deployed**, based on an established monitoring framework.
- ✓ **Increased availability of practice-oriented knowledge and tools** to urban communities, local city councils/regions and land managers → enhanced uptake of solutions for soil health and ecosystem services.
- ✓ **Policy makers** in the EU and Associated Countries are **more aware of local needs** → more effective policies can be designed.

Living Labs in urban areas for healthy soils

RIA | 12 M€ | 1 project

37

Searches of partners to collaborate on this topic

View / Edit



HORIZON-MISS-2024-SOIL-01-02



SCOPE

- ✓ Set up four to five living labs (LL) to work together on a **realistic combination/selection of soil health challenges** faced in urban areas, contributing to one or more of the Mission's specific objectives;
- ✓ Establish a **detailed work plan** for the research to be done in the LL, ensuring the co-design, co-development, & co-implementation of solutions for the selected soil health challenge(s). Where relevant, consider repurpose of soils to provide locally sourced fresh and healthy food;
- ✓ Consider the **scaling up** and the **transferability** of solutions;
- ✓ Establish for each LL a **baseline** for the selected soil health challenge(s). As appropriate, use the **indicators** from the Mission Soil Implementation Plan and the Soil Monitoring Law proposal.
- ✓ **Monitor** and assess the effects of the proposed solutions on soil health and ecosystem services. Include a demonstration of the **viability** (technical, economical) of the proposed solutions. If working on soil sealing, identify urban-specific monitoring methods in connection with Copernicus.
- ✓ Propose strategies to ensure **long-term sustainability**, continuity, impact and ambition of the established LL beyond HE funding.



INDICATIVE BUDGET

12 mln EUR per project
(12 mln EUR in total)

IMPORTANT!



- Describe the rationale for cooperation across the LL within a project.
- Include **dedicated tasks and appropriate resources to collaborate with SOILL and other relevant projects**.
- Beneficiaries may provide **financial support to third parties** (200 K EUR max) to facilitate **stakeholders' engagement**.
- Proposals should fill the **proposal table on LL**.



Proposal template for applicants

- A new table is included for applicants to topics 2024-SOIL-01-01 and 2024-SOIL-01-02 to fill in.
- The table aims at gathering key aspects of the LL that will form part of the LL project.
- It will help applicants and evaluators to better describe how LL are organized.



Q1. In which country (countries) is the Living Lab (LL) located?
Q2. In which region(s) or sub-region(s) is the LL located?
Q3. What is the main land use in the LL?
Q4. Which Mission Soil specific objective(s) will be mainly addressed in the LL?
Q5. Which soil health challenge(s) will be tackled in the LL?
Q6. How many experimental sites will the LL have?
Q7. Will sites that demonstrate a high potential and can be converted to lighthouses (LHs) be identified in the same region of the LL?
Q8. Which project partner is in the lead of the LL?
Q9. Which type of actors are you planning to involve in the LL?
Q10. Are there already ongoing co-creation activities in some of the experimental sites of the LL?
Q11. Indicate the approximate budget that will be dedicated for the establishment and implementation of activities in the LL?
Q12. If you are planning to engage further actors or entities not already involved as partners, please indicate how many and of which type?
Q13. Are you planning to make use of Financial Support to Third Parties (FSTP)?

52



[CARE4BIO RIA IA Annotated Template](#)





Let's root for healthier soil together

The Support Structure catering for the needs of Living Labs and Lighthouses funded under the Mission “A Soil Deal for Europe”

Discover more →



Results contributing to EU Missions



Adaptation to climate change



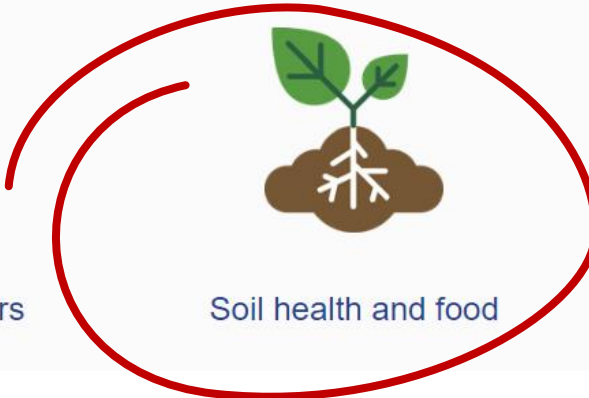
Cancer



Climate-neutral and smart cities



Oceans, seas and waters



Soil health and food

Project results search

Search Clear all

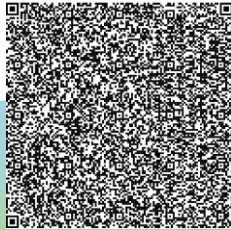
Search in keywords, org... [Search icon]

Country
Select...

Geographic Region
Select...

Looking for
Select...

EU Missions
Soil health and food [X]



EU MISSIONS
SOIL HEALTH AND FOOD
Concrete solutions for our greatest challenges

#EUmissions #HorizonEU #MissionClimate

60 item(s) found

Fostering interactive innovation model

CAP

EIP-AGRI operational groups
= innovation projects at local level



Horizon 2020/Europe
« Science only » & multi-actor projects
at EU level

*“We do not only do R&I for practitioners,
but also **with** practitioners.”*

– Commissioner Janusz Wojciechowski

Multi-actor approach = practitioners (end-users) are put at the center of the R&I activities all over the whole course of the project...

- ✓ *their **practical expertise** is used to co-create innovative solutions;*
- ✓ *it makes them **co-owner** of the results;*
- ✓ *they **implement** them in practice;*
- ✓ *they **share** them in peer-to-peer meetings.*

In this way we can achieve **much quicker and bigger impact in practice!**



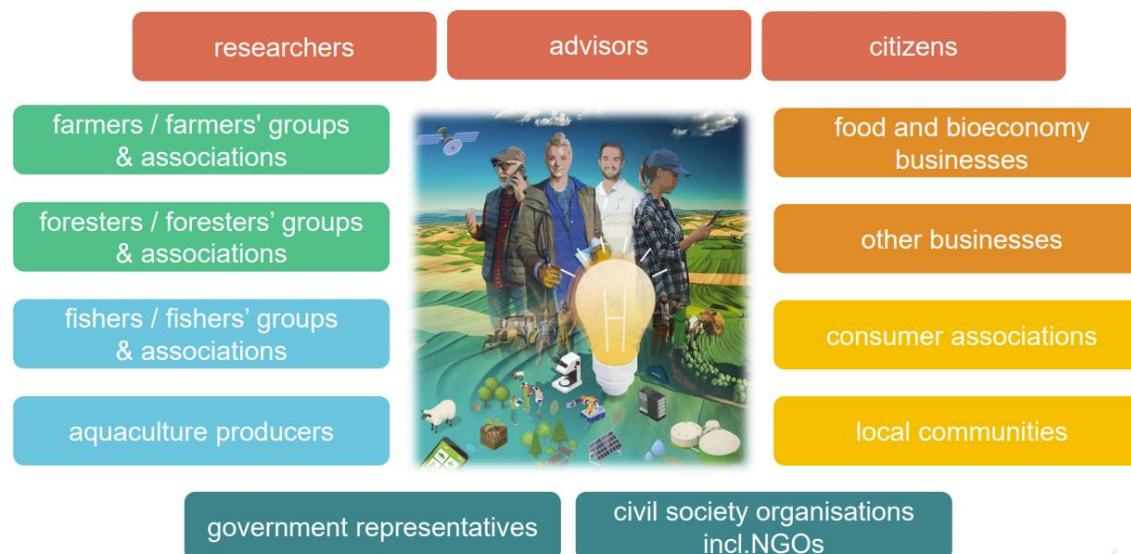
Online training for applicants

HOW APPLY THE MULTI ACTOR APPROACH IN CLUSTER 6 PROPOSALS

organised by CARE4BIO project

HOW APPLY THE MULTI ACTOR APPROACH IN CLUSTER 6 PROPOSALS (youtube.com)

Multi-actor approach: definition



Specific requirements for multi-actor projects:
pp. 232-234 [Missions WP 2023-2024](#)

**Where to find
more
information**





[Home](#) > [Events](#) > [EU Missions and cross-cutting activities info days](#) > [Overview](#)

The research and innovation community platform

Connecting researchers across borders and disciplines. Take part in events, access exclusive content, widen your network.

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REWATCH

EU Missions and cross-cutting activities info days

The event aims to inform potential applicants about the new topics included in the EU Missions and Cross-cutting Activities work programme 2024

25 April 2024 - 26 April 2024

08:30 (GMT+01:00)

[Overview](#) [Programme](#)

Day 1


Day 2

08:30 **Adaptation to Climate Change Mission**

25 April 2024

08:30 - 10:45 (GMT+01:00)

Add to favourites 

Watch replay 


Show details

12:00 **A Soil Deal for Europe Mission**

25 April 2024

12:00 - 14:00 (GMT+01:00)

Add to favourites 


Watch replay 


Show details

14:15 **Restore our Ocean and Waters by 2030 Mission**

25 April 2024

14:15 - 16:15 (GMT+01:00)

Add to favourites 

Watch replay 

Show details

Horizon Europe Missions Brokerage Event 2024

EU MISSIONS

Concrete solutions for our greatest challenges



#EUmissions #HorizonEU

Don't miss the opportunity to get involved in the next Horizon Europe 2024 Missions proposals!

21-22 May 2024 | 10:00 - 19:00 CET

The 2024 calls are open for submission;

The European action [NCP4Missions](#) together with the European Commission is organizing the **Horizon Europe Missions Brokerage Event on the 2024 Missions and cross-cutting calls for proposals.**

The Brokerage Event is organized in cooperation with the [EU Missions and cross-cutting INFODAYS](#) that will take place on April 25-26. Both events are organized in **online mode**.

This international partnering event will help you to build your consortium for the upcoming 2024 calls of the 2024 Missions Work Programme.

Thematic focus

The event focuses on following Horizon Europe – Missions and cross-cutting calls:

- Adaptation to Climate Change
- Cancer
- Restore our Ocean and Waters by 2030
- 100 Climate-Neutral and Smart Cities by 2030
- A Soil Deal for Europe
- Cross-cutting activities

[Register now](#)
Open until 17 May 2024

ORGANISED BY



RESOURCES
[Missions and Cross-cutting Activities_WP2023-2024](#)
[Standard Application Form \(RIA, IA\)](#)
[Standard Application Form CSA](#)

PARTICIPANTS

	Türkiye	41
	Spain	34
	Italy	19
	United Kingdom	18
	Belgium	14
	Portugal	12
	Poland	12
	France	11
	Norway	11
	Estonia	9
	Georgia	8
	Slovakia	7
	Hungary	6
	Israel	5
	Germany	5
	Romania	5
	Austria	5
	Ireland	3



PARTICIPANTS

University	67
R&D Institution	58
Company (SME)	41
National Contact Point (NCP)	19
Other	19
Consultancy	16
Authority/Government	12
Company (Industry)	11
Start-up	10
Association/Agency/Cluster	7
Total	260

Keep connected & visit the Mission Soil Platform

Support in the coordination of Mission Soil activities (e.g. meetings, contact facility)

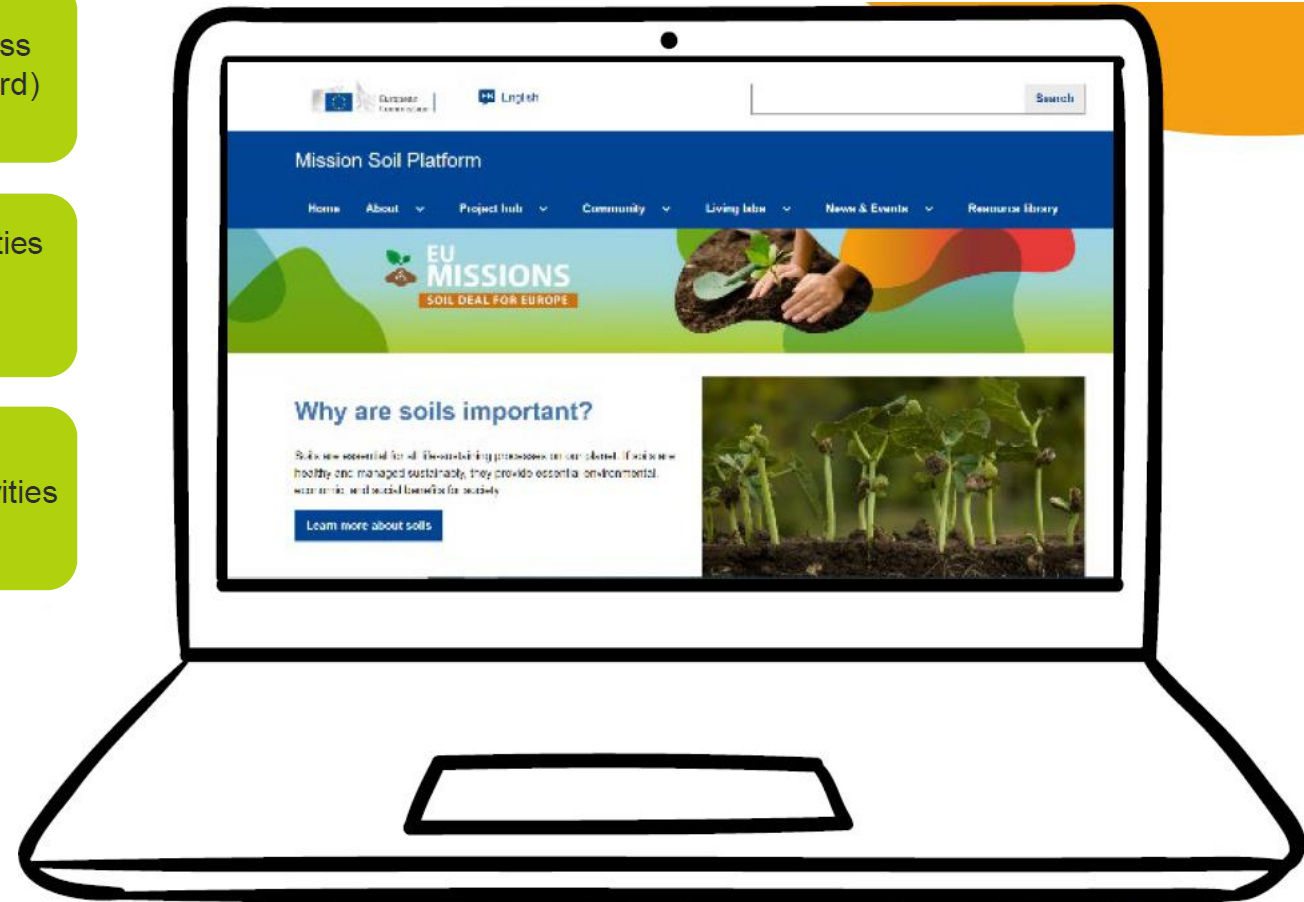
Development of a Mission project hub

Creation of synergies between Mission Soil-funded projects through clusters

Monitoring Mission Soil progress (incl. the creation of a dashboard)

Stakeholder engagement activities (Mission Soil Manifesto and Mission Ambassadors)

Communication & outreach activities





Mistakes to avoid
when applying
for funding

Dos and Don'ts



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Work as an expert


[View more details](#)

We need experts for:

- Assessing applications for EU funding (including prizes and tenders),
- Monitoring of EU funded projects and contracts,
- Giving your advice on specific issues.

Experts act in their individual capacity to assist the EU services with the implementation of EU funding & tenders managed through the Portal.

Do you have an extensive professional experience & proven domain-knowledge?

[Register as expert](#) 

Não vai concorrer este ano mas tem vasta experiência profissional e conhecimento comprovado nas temáticas dos tópicos?



[Home](#) > [Community](#) > [Signatories and Friends](#)

Signatories and Friends

The Mission Soil Manifesto brings together a range of stakeholders who care for soil health. The Signatories of the Mission Soil Manifesto represent a diverse group of legal entities including municipalities, regions, NGOs, research institutions, agricultural communities and private companies. They are committed to addressing the urgent challenges facing our soils and promoting sustainable land management practices.

Explore the profiles of our signatories below to learn about how they engage in soil health activities. Together, we are creating a vibrant community dedicated to caring for soil health.

If you want to join us in our collective efforts to secure the future of our soils, [sign the Manifesto!](#)

This page is updated monthly. Last update: 04/04/2024.

Due to technical issues, the list of Signatories below may not always be visible. We apologise for any inconvenience this may cause and are working on resolving the issues as soon as possible.

459

legal entities have signed the Mission
Soil Manifesto

2331

people endorse the Mission Soil
Manifesto and have already become
Friends of the Mission Soil



[Sign the Mission Soil Manifesto!](#)



[Home](#) > [News Events](#) > [European Mission Soil Week 2024](#)

European Mission Soil Week 2024

Save the date!

Mark your calendars for the **European Mission Soil Week 2024** that will be held on 12-13 November 2024 in Brussels ([BluePoint Brussels](#), Blvd Auguste Reyers 80, 1030 Brussels).

These two days will include engaging activities, keynote interventions, panel discussions, networking, and more!

On 14 November, there will be an **exclusive side event**, open to Mission Soil funded projects only, featuring cluster meetings on data and knowledge management, soil indicators and monitoring, as well as communication and stakeholder engagement.


Stay tuned for further details! We can't wait to see you there.




Our team at ANI



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OBRIGADO

