



EUROPEAN UNION

# EUROPEAN MISSION SOIL WEEK

**Breakout Session:  
Soil protection and  
remediation: strategies  
of contaminated sites**

12 November 2024



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**State of play**

**EU-funded R&I relevant for soil  
protection and remediation**

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## State of play of EU-funded or co-funded R&I projects

- **Background**

- **Relevant Mission Soil objective:** “Reduce soil pollution and enhance restoration”
- **Innovation hotspot** (Soil Implementation Plan)
- Broader policy context: Biodiversity strategy, the Farm to Fork Strategy and the Zero Pollution Action plan

- **Targets:**

- T 1: reduce the overall use and risk of chemical pesticides by 50% and the use of more hazardous pesticides by 50%
- T 2: reducing fertiliser use by at least 20%
- T 3: reduce nutrient losses by at least 50%
- T 4: 25% of land under organic farming
- T 5: Reduce microplastics released to soils to meet 30% target of zero pollution action plan
- T 6 Halt and reduce secondary salinization



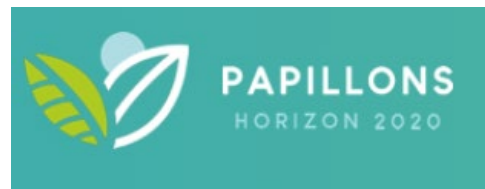
## EU funding and co-funding instruments



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## Soil protection and remediation: Main areas covered (1/3)

- Improve the understanding of basic processes : monitor, analyse, impacts of PFAS, microplastics (PROMISCES, SCENARIOS, PAPILLONS, MINAGRIS, SOPLAS ... )



- Increase the **modelling capacity** of soil pollution processes and their potential impact on soil functions (SOILPROM, PHISES)
- Develop, produce and demonstrate **biosensors and user-friendly diagnostic tools** for environmental services to detect contaminants of emerging concern (CEC), microbial biohazards and heavy metals (MOBILES, BIOSENSEI, AquaBioSens)



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## Soil protection and remediation: Main areas covered (2/3)

- Develop **remediation strategies, methods and financial models** for decontamination (ARAGORN, EDAPHOS, ISLANDR, ...)



- Develop and assess **bioremediation strategies, technologies, practices** and other solutions for the remediation of contaminated soils (NYMPHE, SYMBIOREM, BIOSYSMO, GOLD, IASIS, Phy2Climate, MIBIREM, ...)



## Soil protection and remediation: Main areas covered (3/3)

- Enhance **input management** by reducing inputs, improve efficiency, enhance recovery, develop farming practices, technologies, digital platforms or tools to improve sustainability and to reduce pressure on soil



- **Living Labs:** developing and testing new solutions for soil restoration tailored to local conditions in a co-creative way (iCOSHELLS, LIVINGSOILL, ...)

