



TECHNOLOGY
CENTRE PRAGUE

MISSION SOIL

9th May 2023



EU MISSIONS

- novelty of Horizon Europe research and innovation programme
- new way to bring concrete solutions to great challenges
- aim to mobilise and activate public and private actors
- ambitious, targeted, measurable and time-bound

Adaptation to
Climate Change



Cancer



Climate-neutral
and Smart Cities



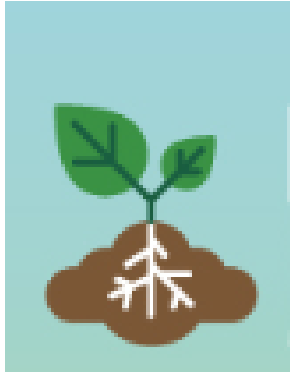
Restore our
Ocean and Waters



Soil Deal
for Europe



A SOIL DEAL FOR EUROPE

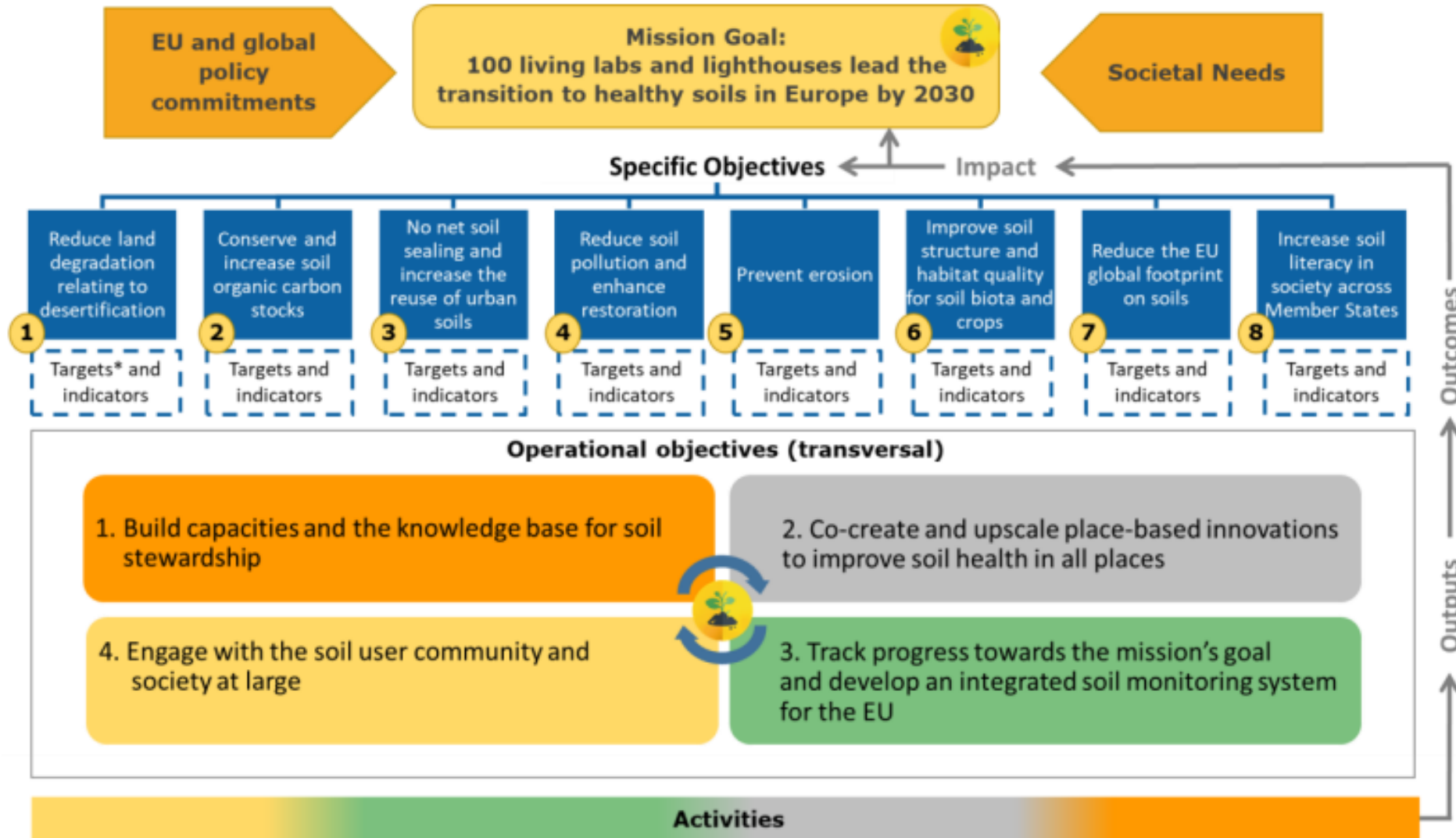


A SOIL DEAL FOR EUROPE



- aim: to establish 100 **living labs** and **lighthouses** to lead the transition towards healthy soils by 2030
- 8 mission objectives:
 - ✓ reduce desertification
 - ✓ conserve soil organic carbon stocks
 - ✓ stop soil sealing and increase re-use of urban soils
 - ✓ reduce soil pollution and enhance restoration
 - ✓ prevent erosion
 - ✓ improve soil structure to enhance soil biodiversity
 - ✓ reduce the EU global footprint on soils
 - ✓ improve soil literacy in society

MISSION'S INTERVENTION LOGIC



* Quantitative aspirational targets (some of which correspond to existing Green Deal targets)

■ Source: Soil mission Implementation Plan



OPPORTUNITIES UNDER HORIZON EUROPE



- research projects on pre-defined topics
- topics listed in yearly Work programme
- proposals submitted by international consortia
- funding: 100 % of direct costs (in some type of projects 70 % for profit companies)
+ 25 % of them as overheads
- information: Technology centre Prague – national contact organisation for Horizon Europe,
www.horizontevropa.cz

TOPICS WP 2023

- opening: 17.1.2023
- deadline: 20.9.2023
- budget: 126 mil. €



TOPICS WP 2023



- ✓ **HORIZON-MISS-2023-SOIL-01-01: Discovering the subsoil**
 - RIA, 2 projects, 6 mil. € per project
- ✓ **HORIZON-MISS-2023-SOIL-01-02: Soil pollution processes – modelling and inclusion in advanced digital decision-support tools**
 - RIA, 2 projects, 7 mil. € per project
- ✓ **HORIZON-MISS-2023-SOIL-01-03: Onsite digital technologies to monitor nutrients and chemical or biological stressors in soil and plants with relevance for food safety and nutrition**
 - IA, 2 projects, 6 mil. € per project, TRL 7-8
- ✓ **HORIZON-MISS-2023-SOIL-01-04: Innovations to prevent and combat desertification**
 - IA, 2 projects, 7 mil. € per project, TRL 5-7
- ✓ **HORIZON-MISS-2023-SOIL-01-05: Soil-friendly practices in horticulture, including alternative growing media**
 - IA, 2 projects, 6,5 mil. € per project, TRL 5-7

TOPICS WP 2023



- ✓ **HORIZON-MISS-2023-SOIL-01-06: Soils in spatial planning**
 - RIA, 1 project, 7 mil. €
- ✓ **HORIZON-MISS-2023-SOIL-01-07: Back to earth: bringing communities and citizens closer to soil**
 - CSA, 1 project, 6 mil. €
- ✓ **HORIZON-MISS-2023-SOIL-01-08: Co-creating solutions for soil health in Living Labs**
 - RIA, 3 projects, 12 mil. € per project
 - financial support to third parties
- ✓ **HORIZON-MISS-2023-SOIL-01-09: Carbon farming in living labs**
 - RIA, 1 project, 12 mil. €
 - financial support to third parties

MISSION SOIL MANIFESTO



- ✓ non-binding and open to regions, municipalities, private or public companies, organisations, associations, schools, educational institutes, universities, research institutions (as well as individuals = Friend of the Mission)
- ✓ aim: to create community that cares for the future of soils
- ✓ benefits: access to knowledge on soil health and the Mission Soil, networking, exchange of information and experience

<https://ec.europa.eu/eusurvey/runner/mission-soil-manifesto>

CALLS 2021 AND 2022

- 8 Czech participations: funded 8 institutions in 7 projects
- mainly universities





National contact points

Nad'a Koničková a Jana Čejková

+420 728 212 429, +420 723 147 878

konickova@tc.cz; cejkova@tc.cz

www.tc.cz