

ISLANDR – EU Horizon Europe project 2023 - 2026

'Information-based strategies for land remediation'

Kick-off meeting (hybrid) programme

24 May 2023, Espoo, Finland



Venue: Geological Survey of Finland, GTK

Address: Vuorimiehentie 5, Espoo, Finland [Vuorimiehentie 5 – Google Maps](#)

Teams link: [Join ISLANDR meeting here](#)

24.5.2023 Wednesday

09.00 – 9.30 *Registration with coffee*

Opening session (Chairperson Juha Kaija, GTK)

09.30 – 09.35 Introduction - Juha Kaija, Geological Survey of Finland GTK

09:35 – 09:45 Welcome address – Saku Vuori, Director, Science and Innovations, GTK

09:45 – 10.00 What is ISLANDR and what we do? – Kirsti Loukola-Ruskeeniemi, GTK

10.00 – 10:20 Welcome address – Béla Atzél, European Research Executive Agency



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ISLANDR planning - the way forward (Chairperson Kirsti Loukola-Ruskeeniemi, GTK)

- 10:20 – 10:40 Overview of soil pollution in Europe – overview, tasks and discussion – Timo Tarvainen, GTK, Finland
- 10:40 – 11:00 Risk-based contaminated land assessment for the promotion of soil health – overview, tasks and discussion – Anne-Lise Gautier, French Geological Survey BRGM, France
- 11:00 – 11:20 Sustainable and risk-based remediation – overview, tasks and discussion – Paul Bardos, R3 Environmental Technology Limited, United Kingdom
- 11:20 – 11:40 Financial models for decontamination and reuse of land – overview, tasks and discussion Jenny Norrman, Chalmers University of Technology, Sweden
- 11:40– 12:00 Spatial planning models, prioritization and approaches for contaminated soil and land reuse – overview, tasks and discussion – Linda Maring, Stichting Deltares, Netherlands
- 12:00 – 13:00 *Lunch break at the Maukas restaurant (Satama & Saari/Ranta cabinets), 1st floor*
- 13:00 – 13:20 Policy support and dialogue – overview, tasks and discussion – Jaana Sorvari, Finnish Environment Institute SYKE
- 13:20 – 13:40 Communication, dissemination and exploitation – overview, tasks and discussion – Dirk de Ketelaere, Integrated Resources Management Company Limited IRMCo, Malta
- 13:40 – 14:00 Ethics in EU projects – Satu Pitkäaho, University of Oulu, Finland
- 14.00 – 14.30 *Coffee break*
- 14.30 – 15.30 Expectations and view of the Advisory Board and invited guests (representatives of, *e.g.*, EU Soil Observatory and selected Horizon Europe projects) - Panel discussion
- 15.30 - 16.00 Summary and closing – discussion



Key information of the ISLANDR Horizon Europe project

'Information-based strategies for land remediation'

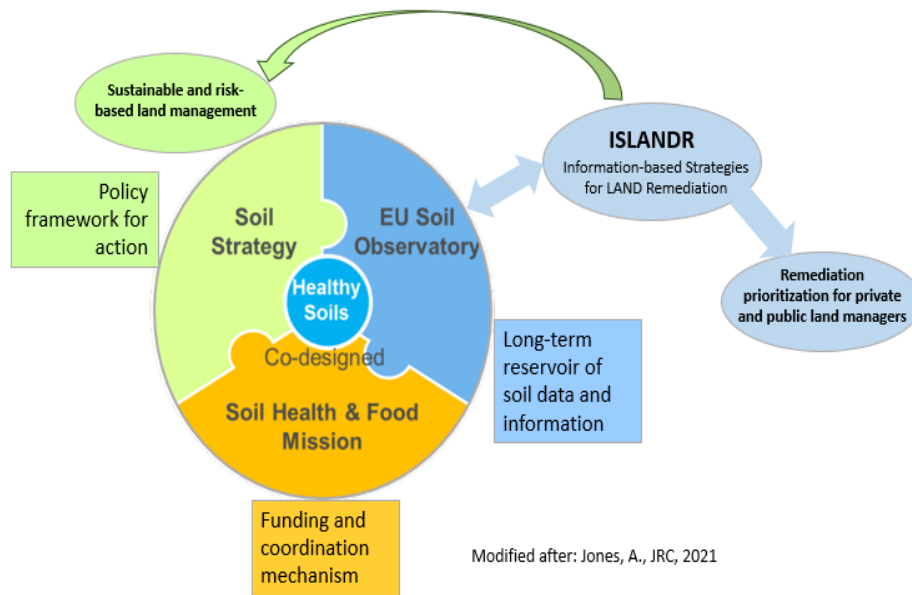


Figure 1. ISLANDR project is related to soil health issues at the European Union. The EU Soil Health law will be introduced in June 2023.

Start date: 1st May 2023 (3-year project)

Coordinator: Geological Survey of Finland - GTK

- **Project manager** Juha Kaija (juha.kaija@gtk.fi),
- **Scientific coordinator** Kirsti Loukola-Ruskeeniemi (kirsti.loukola-ruskeeniemi@gtk.fi)

Consortium: 13 countries and 14 organizations including research institutes, universities and companies (Fig. 2).

EU Mission Specific Objectives covered: Stop soil sealing and increase re-use of urban soils/reduce soil pollution and enhance restoration/reduce the EU global footprint on soils /improve soil literacy in society.

EU Mission Operational Objectives covered: Build capacities and the knowledge base for soil stewardship/Co-create and upscale place-based innovations to improve soil health in all places/Develop an integrated EU soil monitoring system and track progress towards soil health/Engage with the soil user community and society at large.



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Figure 2. Land uses and soil contamination types covered by the ISLANDR Test Areas. The logos of the participating organizations are presented on the map as well.

Key objectives are to

Work Package 1. Provide a **EUSO-compatible metadata catalogue** of available data and a Roadmap to EUSO-compatible data (EUSO = EU Soil Observatory)

Work Package 2. Establish risk-based S-P-R **conceptual models** in terms of contaminant migration and exposure risks

Work Package 3. Propose methods for **remediation** objectives with stakeholders

Work Package 4. Propose **financial models** to promote remediation action

Work Package 5. Propose **spatial planning models** to prioritize and promote remediation action and reuse of land and soil

Work Package 6. Implementation of ISLANDR outcomes into **policy and practice**

In addition, our key objectives include

- to develop a risk-based **decision-making framework** for both point source and diffuse land contamination and
- to provide a **long-term platform** for the ISLANDR data.



Key exploitable results and outputs of the ISLANDR project

- **EUSO-compatible metadata catalogue** of available data
- **Roadmap to EUSO-compatible data** on soil contamination
- **Strategy** for planning and prioritization of choices on decontamination and restoration
- **> 5 risk-based S-P-R conceptual models** building upon the most recent advances in terms of contaminant migration and exposure risks
- **Financial models** which promote remediation action
- **Spatial planning models** to prioritize and promote remediation action and reuse of land and soil
- **Decision support tool** for rapid deployment of remedy selection, benchmarking low input techniques
- **Roadmap congregating low input remediation**, wider value gains from restoration, considerations on spatial planning, and policy recommendations
- **Strategy** for sites considered economically marginal or infeasible – technical information, guidance on investment cases, and financial models
- **Policy paper**: interfacing key policy support information where soil contamination is relevant

