

Delivering safe, sustainable, tailored & socially accepted soil improvers from circular food production processes for boosting soil health: the DELISOIL Project

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Delivering soil improvers from circular food production processes to boost soil health

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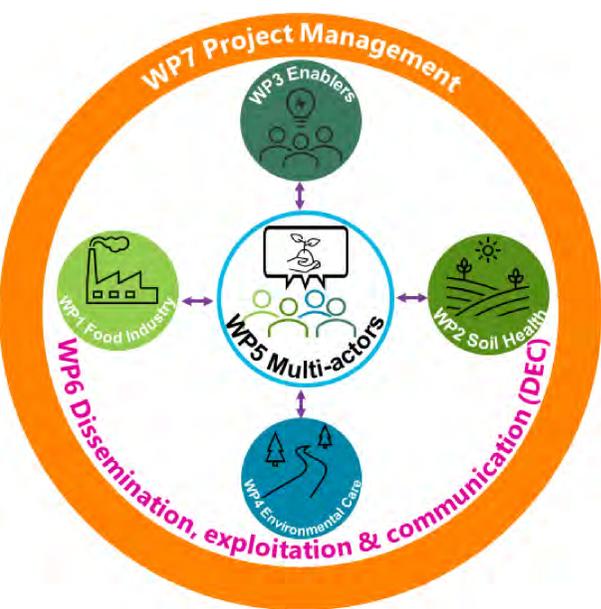
DeliSoil project

- EU funded **DeliSoil** project (2023-2027, 7 mil. EUR);
- **DeliSoil** is supporting the EU Mission 'A Soil Deal for Europe'.

The goals

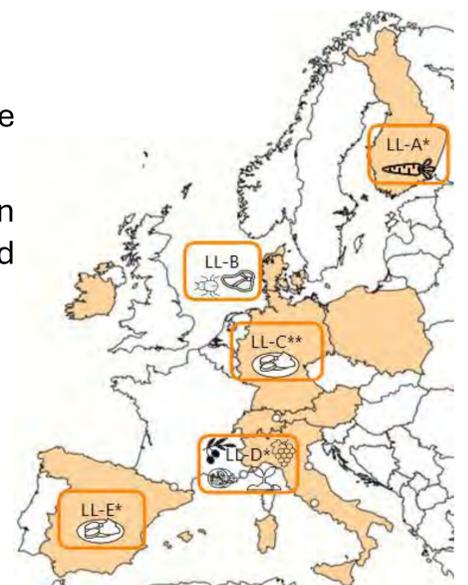
- Improve sustainability of food systems and soil health with food industry residues;
- Explore and co-create different residue processing methods and best practices;
- Share information with the actors of the whole food value chain and the general public;
- Ensure the acceptability and safety of soil improvers and fertilizer products produced from food processing side streams, as well as their effectiveness in promoting the soil health.

Work Packages



Living Labs and Lighthouses

- 5 Living Lab networks of the entire food production value chains (boxes);
- 5 Lighthouse places for joint development and co-creation of the processing and use of side streams of food production (**).



Food Value Chain

- Food industry uses raw materials to produce products for consumers;
- The side streams are processed with different technologies and used as soil improvers or other fertilizer products in food production.

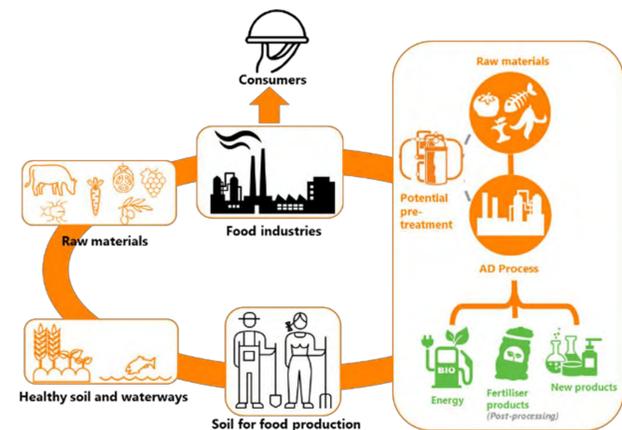
Year 1- Main objectives and activities

WP1

- **5 Regions** mapped to define their potential to recycle **food-waste** into **soil improvers**; baseline scenarios;
- Performance monitoring of **technologies** and **soil improvers characterization**;
- **Stability and biosafety** assessment of the products.

WP2

- Survey and analysis of **existing data**;
- Assessment of tailored soil improvers **efficacy**;
- **Best practices** for testing and integrating selected soil improvers in Living Labs and Lighthouses.



WP3

- **Technological** barriers and enablers;
- **Legislative** and policy barriers and enablers;
- **Financial** barriers and enablers;
- **Social** barriers and enablers;
- **Fairness** through the value chain, creating new opportunities.

WP4

- **Nutrient** losses;
- **Contaminants**;
- **Risk** assessment;
- **Life cycle** assessment of the technologies.

WP5

- **Stakeholders** and social partners along the whole food chain;
- **Living Labs**;
- Regional **Working Groups**;
- Education **Roadmap** and Campaign;
- **Action Plans** to overcome the barriers;
- **Policy Brief** and **Monitoring Framework**.



Project partners



1. Natural Resources Institute Finland (**LUKE**), Finland **COORDINATOR**
2. Balmes University Foundation (**UVic-UCC**), Spain
3. Italian National Agency for New Technologies (**ENEA**), Italy
4. Proman Management GmbH (**PROMAN**), Austria
5. Mineral and Energy Economy Research Institute of the Polish Academy of Sciences (**MEERI**), Poland
6. ERINN Innovation Ltd (**ERINN**), Ireland
7. University of Copenhagen (**UCPH**), Denmark
8. University of Hohenheim (**UHOH**), Germany
9. University of León (**ULE**), Spain

10. Interuniversity National Consortium for Environmental Sciences (**CINSA**), Italy
11. Yara International ASA (**YARA**), Norway
12. Finnish Food Authority (**Ruokavirasto**), Finland
13. Pyhäjärvi Institute, Finland
14. Research Institute of Organic Agriculture (**FiBL**), Switzerland

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This project has received funding under the European Union's Horizon Europe research and innovation programme under grant agreement No. 101112855 (DeliSoil). This output reflects the views of the authors and the European Commission is not responsible for any use that may be made of the information contained therein.