

SoCoRisk – Implementation of soil compaction risk assessment system



Mathieu Lamandé

Aarhus University, Denmark



Kick-off cofunded Projects Seminar
17-18th March 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 862665 ICT-AGRI-FOOD.

Goal and context

Integration of Terranimo® into farmer's strategic planning



For prevention of soil compaction in agricultural fields



Main project challenges

To identify and address potentials and barriers of using Terranimo® in its present form

To develop new ways to present the simulation outputs to farmers

To produce recommendations for a successful use of Terranimo® for countries not included in the consortium

Objective and Hypothesis

Objectives:

- To design and to test new ways of using Terranimo®;
- To develop strategies for the use of Terranimo® by farmers in their decision making and planning.

Hypothesis:

- The incorporation into the set of tasks presently needed to comply with regulation imposed in several of the participating countries (fertilisation planning, use of pesticides) will enhance the use of Terranimo.

Potential impact

- To enhance mitigation of soil compaction in Europe by broaden the use of Terranimo® by farmers in Europe
- To prepare for EU support of sustainable farming practices with regard to soil protection (greening initiative under CAP)

Research approach & activities

- Farms will be used as cases studies
- Field experiments and demo in combination with model simulations
- Living labs with stakeholders (farmers, advisors, policy makers, researchers, etc.)



Value chain

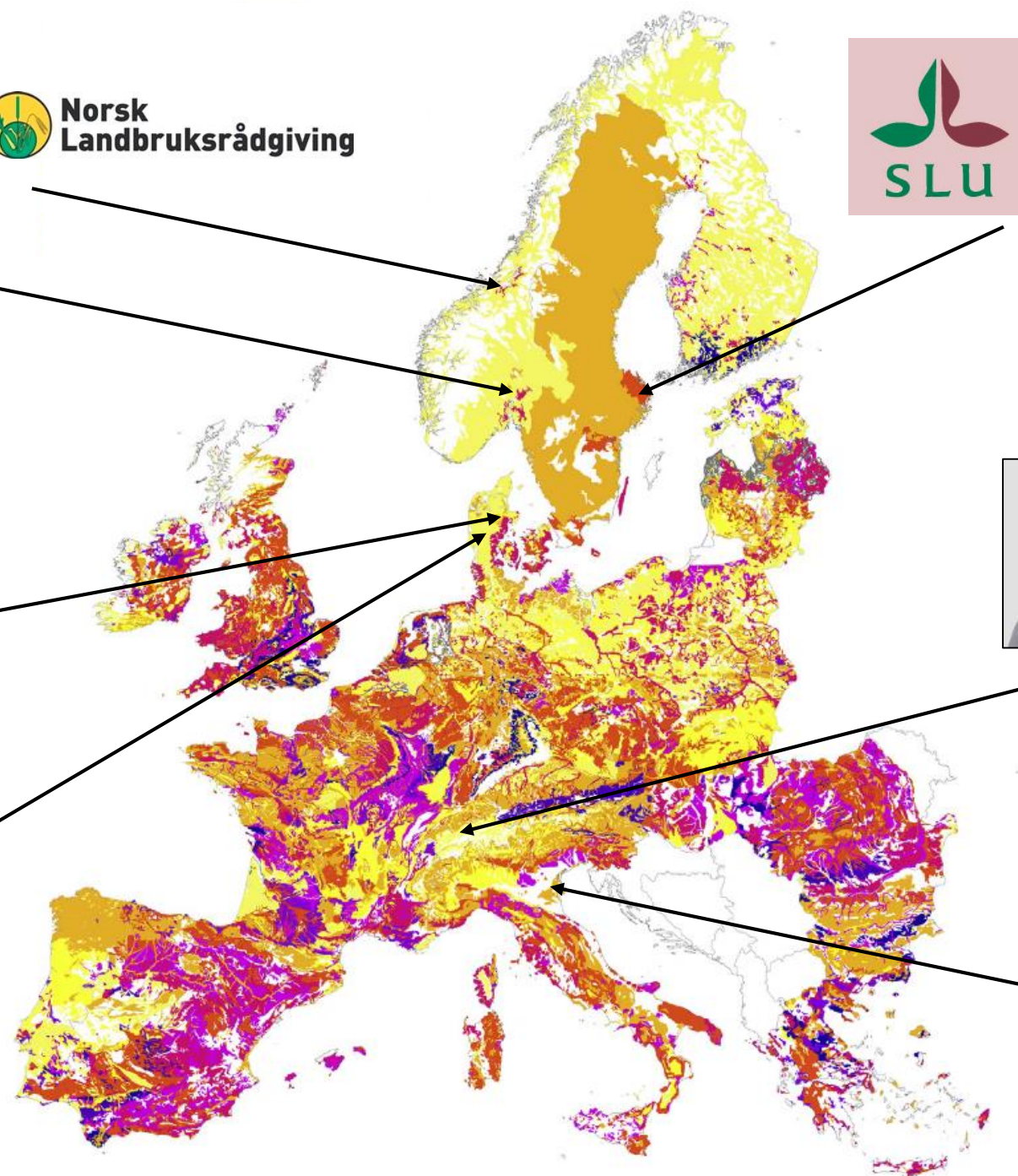
- Four to five farms in each participating countries as case studies
- A transdisciplinary approach involving soil scientists, agronomists, and social scientists as well as farmers, contractors, advisers and representatives from authorities
- National living labs

Dissemination and outreach

- Dissemination of the project results through a range of on-going projects (four partners are involved in projects dealing with prevention of soil compaction)
- On-going development of national versions of the Terranimo[®] tool in Europe (NL, UK) and Canada
- Workshops with stakeholders, demonstration days, conference presentations, peer-reviewed papers in international scientific journals, and national reports for policy support



Norwegian University
of Life Sciences



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

LET'S KEEP IN TOUCH!

Please feel always free to reach out to us.

WEBSITE

www.soilcompaction.dk

EMAIL

mathieu.lamande@agro.au.dk

Thank you for your attention!