

# SoCoRisk – end-user's evaluation of soil compaction risk assessment system

**Welcome to Terranimo® International**

Terranimo® is a model for prediction of the risk of soil compaction due to agricultural field traffic

Start Terranimo® by clicking one of the buttons to the right

The different versions provide country-specific soil types

Terranimo® Global

Terranimo® Denmark    Terranimo® Norway

Terranimo® United Kingdom    Terranimo® France

Terranimo® Belgium-Flanders    Terranimo® Finland

Terranimo® Netherlands

An introduction to Terranimo®

Vejledning på dansk

Web site provided by Aarhus University, Faculty of Science and Technology, Department of Agroecology.  
Photo: H.C. Thomsen. Report technical problems to webmaster: [Poul.Lassen@agro.au.dk](mailto:Poul.Lassen@agro.au.dk).  
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Aarhus University, Denmark

2019 cofunded Call  
End-term Project Seminar  
30<sup>th</sup> January 2024

 **Norsk  
Landbruksrådgiving**

 **SLU**

 **B  
H** Bern University  
of Applied Sciences

 **N M B U**  
Norwegian University  
of Life Sciences



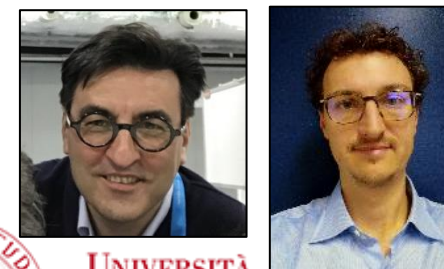
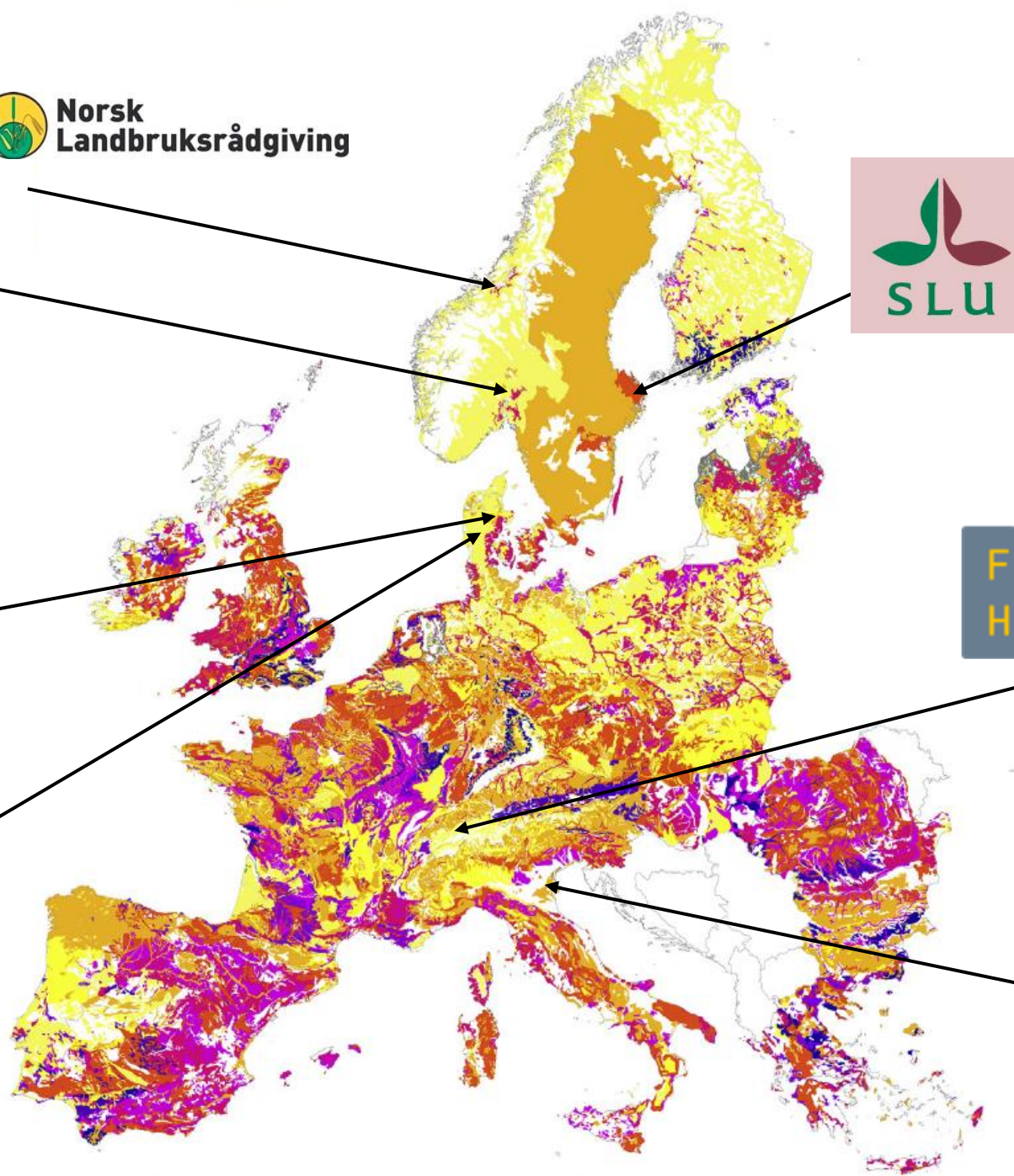
 **AARHUS  
UNIVERSITY**



 **SAGRO**  
*Viden og vækst*



**UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA**



# Duration and budget

7 partners

5 countries: Norway, Sweden, Denmark, Switzerland, Italy

March 2021 – August 2024

Total project costs: 1095.3 k€

Total requested budget: 919.8 k€



# Objective

To help farmers and contractors to prevent soil compaction during agricultural operations

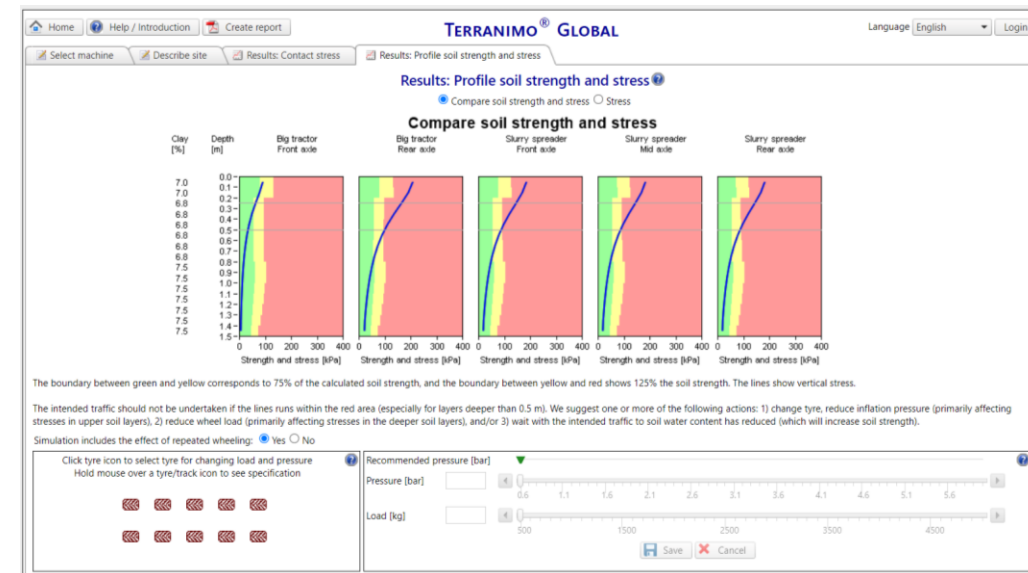
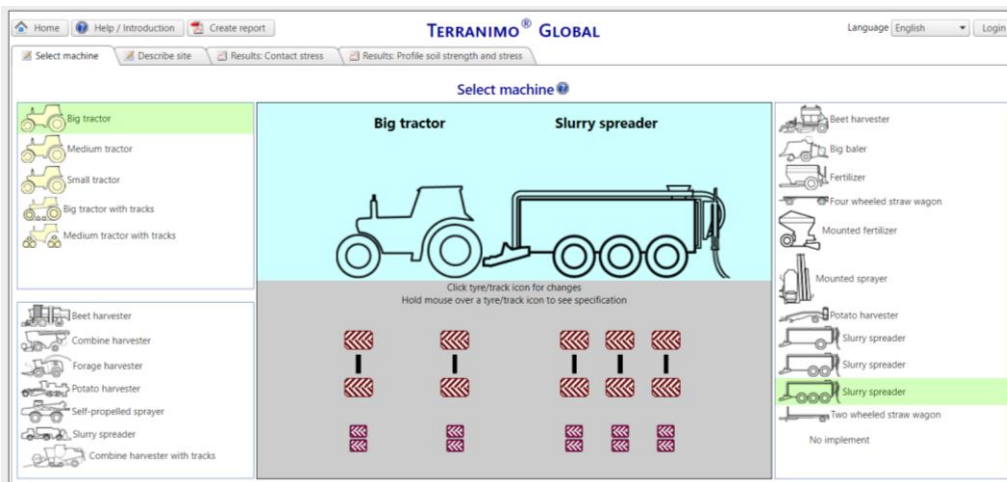


Soil compaction is expensive  
and mitigation is limited:  
We need **preventive** measures

# Research methodology

Stakeholders' workshops where the following three research questions are addressed:

- 1) What are the potentials and barriers of using Terranimo<sup>®</sup> in its present form?
- 2) Which new ways of using Terranimo<sup>®</sup> would be efficient for end-users?
- 3) Which strategies could be developed for the use of Terranimo<sup>®</sup> by farmers in their decision making and planning?



# Major results

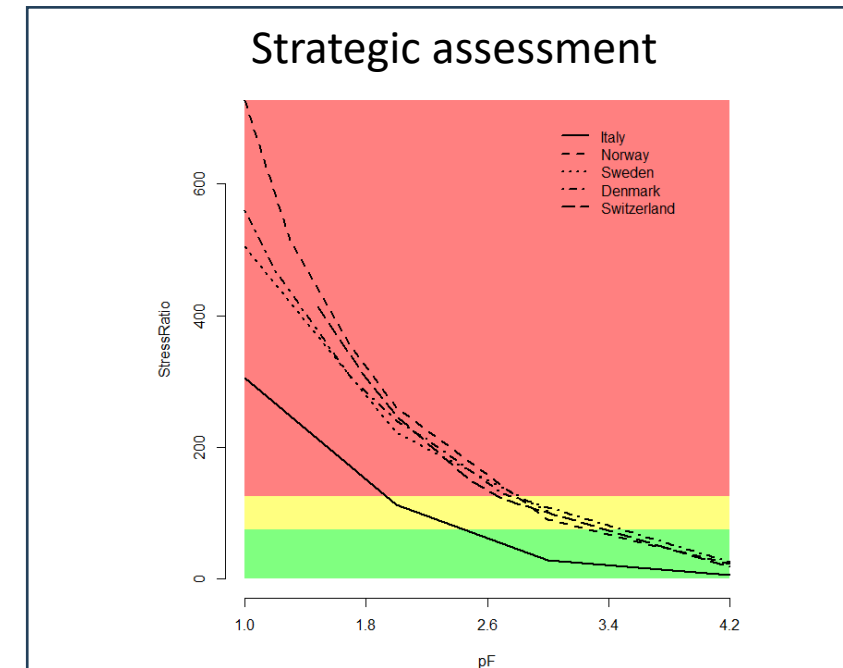
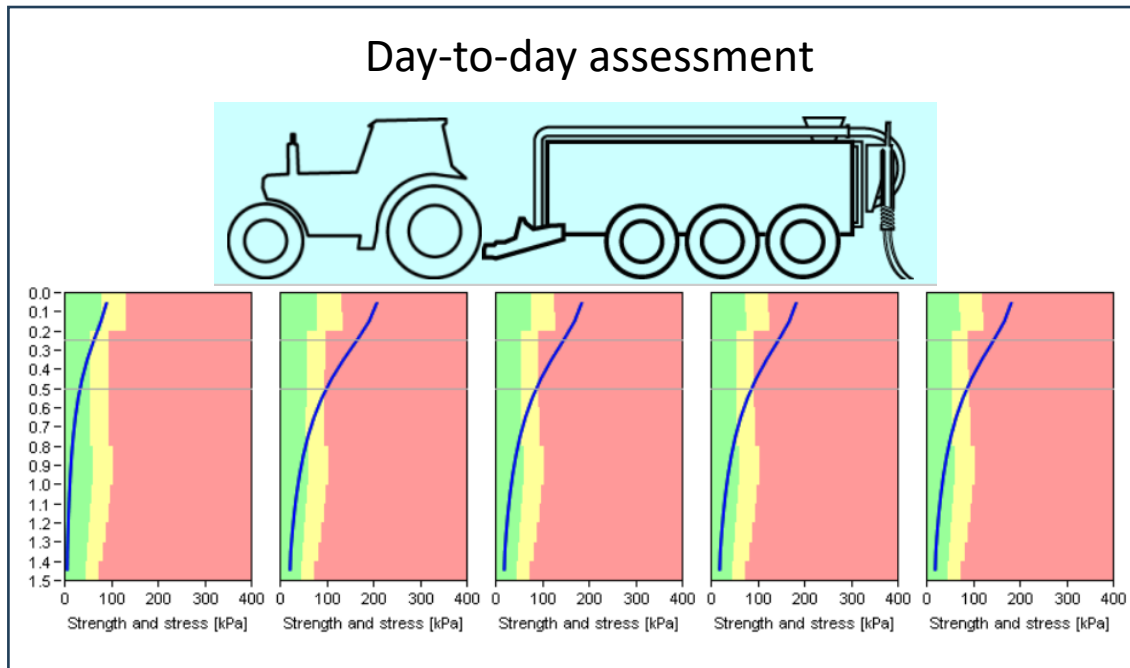
Question 1) Potentials and barriers of using Terranimo® in its present form?

Not easy for day-to-day use in its present form.

The economic incentive of using the tool is missing (consequences of soil compaction on the yields).

Question 2) Which new ways of using Terranimo® would be efficient for end-users?

There was a general interest among stakeholders for a strategic use the tool







# Opportunities and next steps for innovation

EU Soil Health Law & EU Soil Strategy for 2030

→ Such tools will be needed!

Private companies can develop a user-friendly tool (web interface or App).

Extension services and farmers' consultants can develop new strategies to help farmers and contractors in their decision making and planning.



# LET'S KEEP IN TOUCH!

Please feel always free to reach out to us.

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**Thank you for your attention!**