

A PART OF THE EUROPEAN R&D-NETWORK





The institute is a member of EUROTECH*, along with nine of the biggest Research and Technology Organisations in Europe:

- CEA
- Fraunhofer
- TNO
- VTT
- SINTEF

- RISE
- IMEC
- Tecnalia
- AIT
- DTI



DIVISIONS





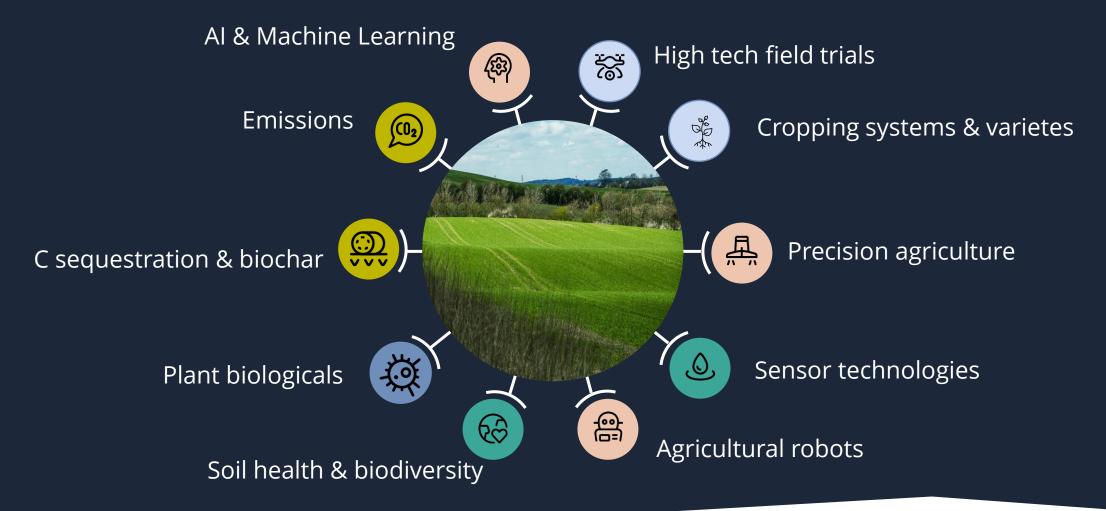








Center of Agriculture & Digitalization



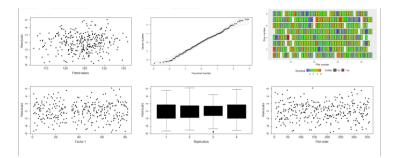


Danish Technological Institute facilitates Field Trials

Infrastructure and competencies to coordinate and handle large



Data analysis and presentation of results



DANISH TECHNOLOGICAL INSTITUTE

Traceability with unique barcoding



Specialized field trial equipment



Huge field variation

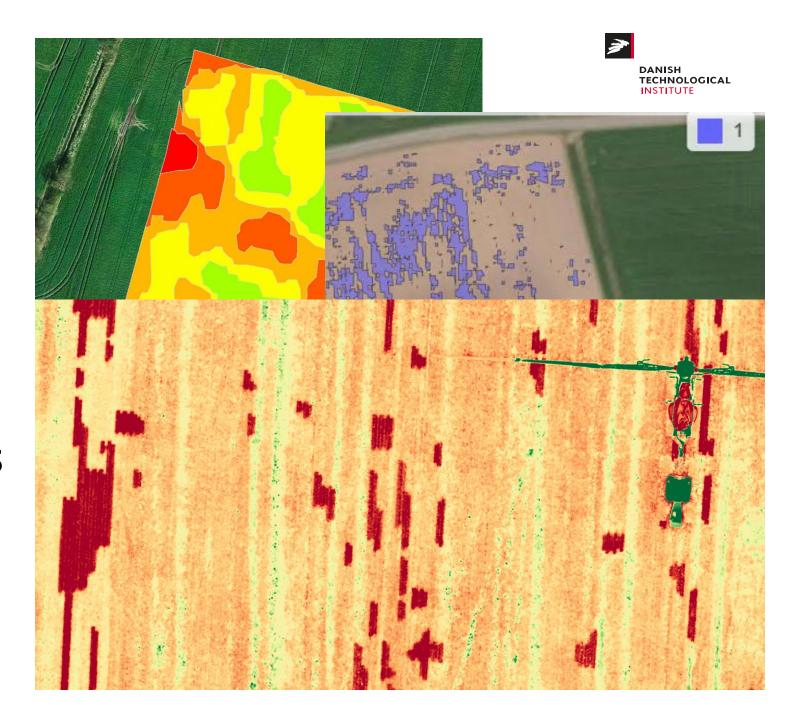


Quality analysis of various crops



Precision Spraying

- Variable maps for the entire boom width
 - Fertilizer
 - Pesticides
 - Fungicides
 - Herbicides
- Spot spraying
 - Uses the sprayer's GPS section control

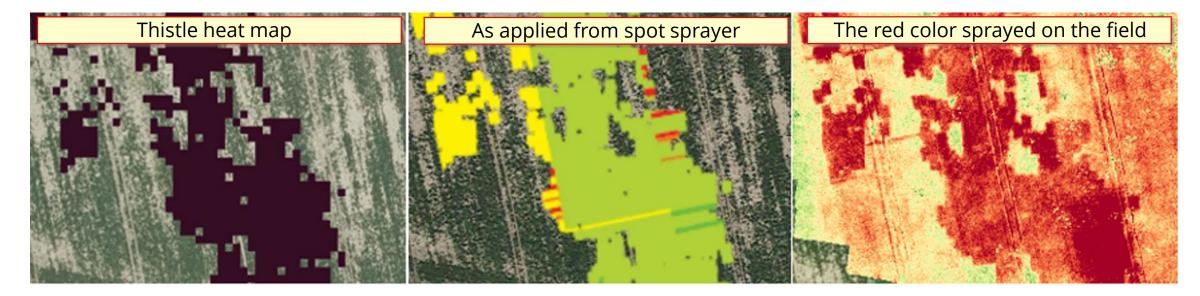




Spot Spraying

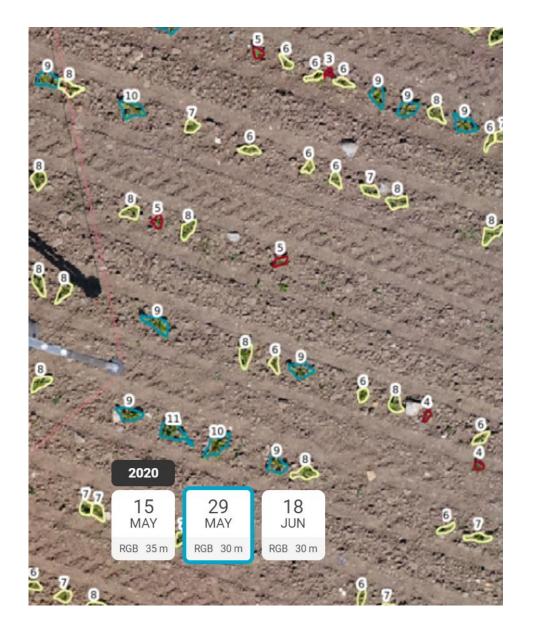






Crop counting with DL

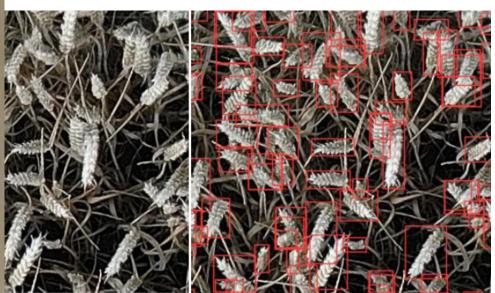




Plant breeding — Counting wheat ears

Growth characteristics have a major influence on suitability for early or late sowing



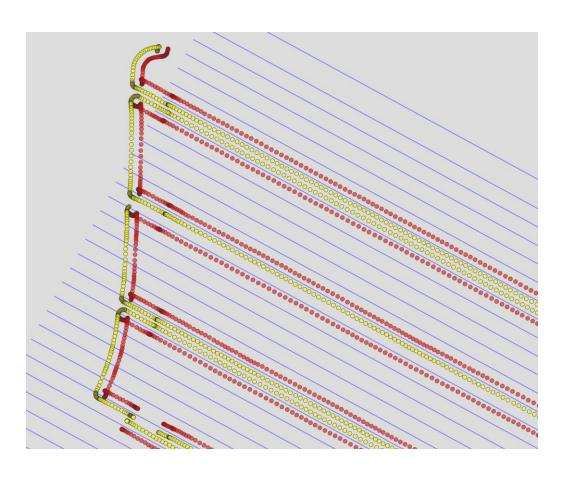






Accuracy on implement







INSTITUTE

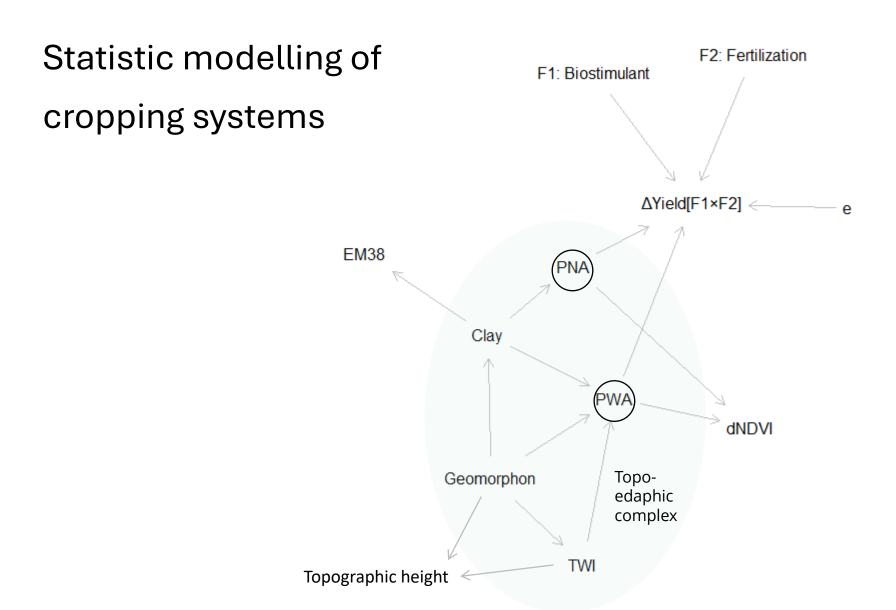
ROBOTS safety

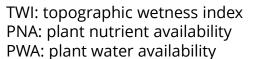


Value creation:

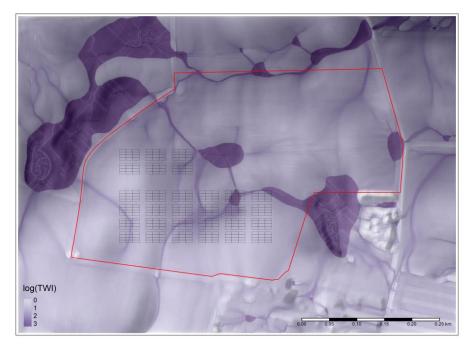
- Validates companies´ technologies
- Unbiased test
- Adds a touch of Agronomy to the technically strong companies

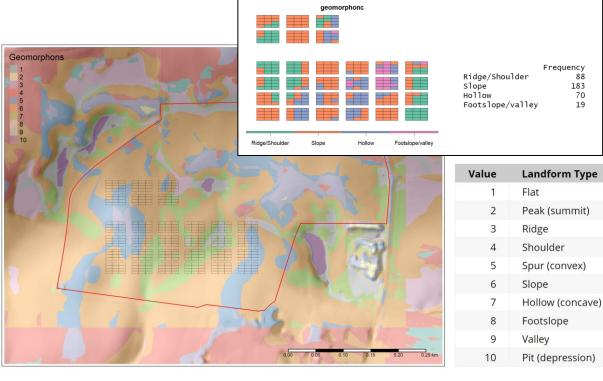
Often in collaboration with our robotics department in Odense.











Topographic Wetness Index (TWI)

describing the propensity for a site to be saturated to the surface given its contributing area and local slope characteristics.

Geomorphons landform classification

line-of-sight analysis for the eight topographic profiles in the cardinal directions surrounding each grid cell.



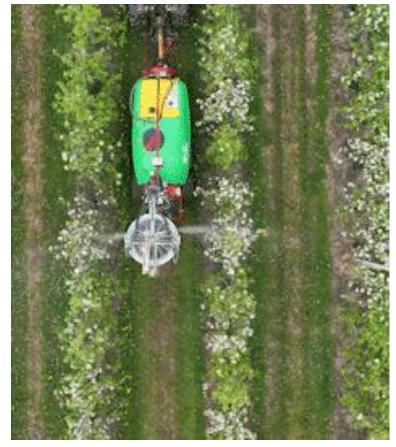
Frequency



INSTITUTE

Spot spraying and tree specific root pruning





AGRO EMISSION PLATFORM

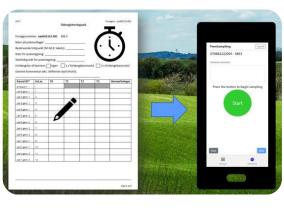
Unique ID system

Time sampling app

Automatic flux calculation

Automatic chamber methods and data analysis











TEKNOLOGISK INSTITUT





















Thomas





į ((× () ()













Hanne









#













