

# European Seed Growers Group

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24. maj 2022

STØTTET AF  
Frøafgiftsfonden

**SEGES**  
INNOVATION

# Agenda

- Issues in terms of clean seed production
- Alternatives to what we have done so far:
  - Row cropping
  - Robots
  - Bird's eye view
- Things to look out for in the near future
- Debate and discussion

# Lack of herbicides



Access to pesticides for seed production in DK  
depends on minor use and derogations



# Row cropping - "The unbroken row"



# "Row cropping" trials performed in grass seed



# "Row cropping" irl

Poa pratensis



Perennial Ryegrass



Tall fescue



# Off the shelf or in the workshop?



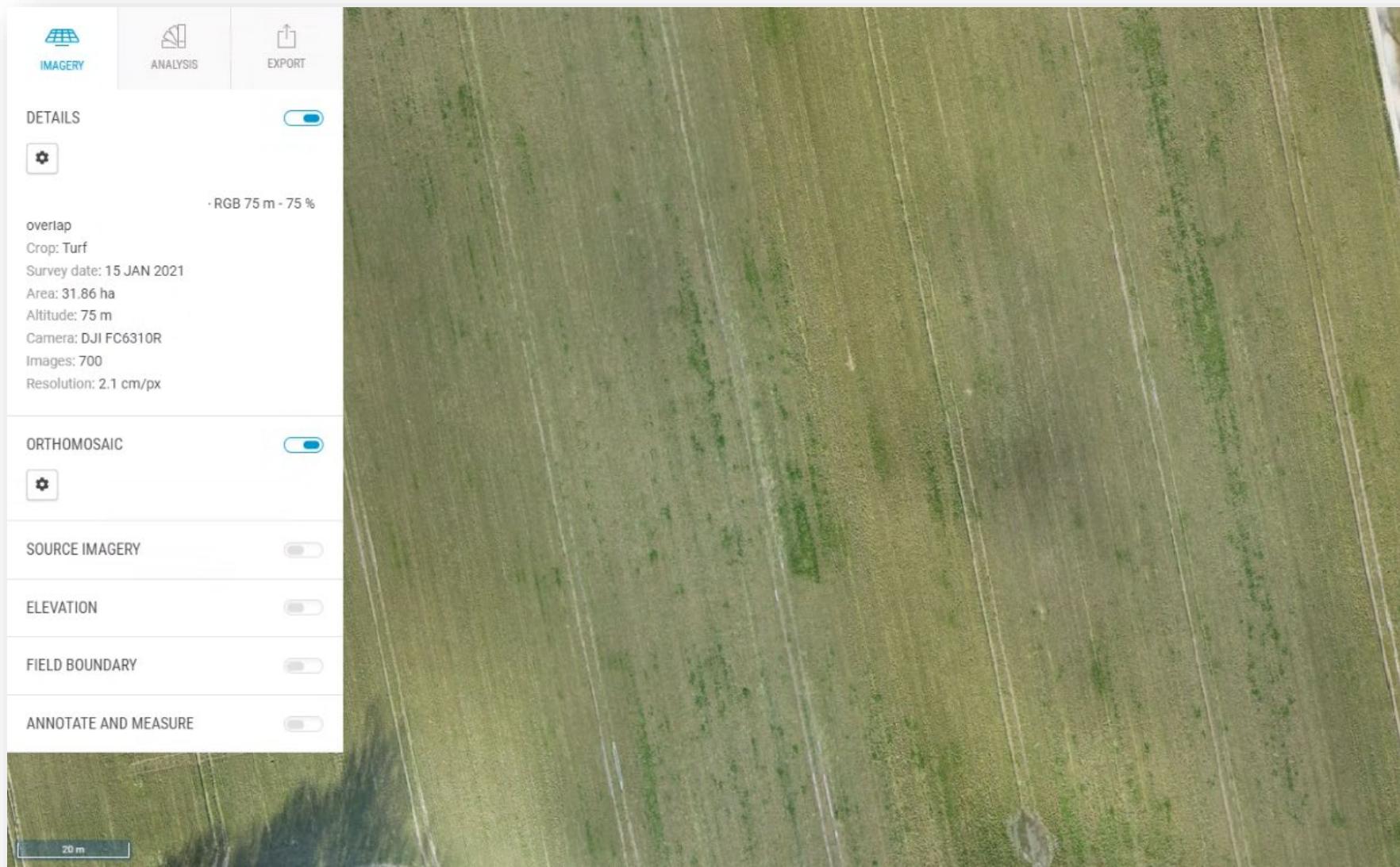
# Any future in robots?



# Shapes and sizes



# Vulpia from a bird's eye view



# CropManager

The CropManager interface displays a 3D aerial view of a field. A white rectangular box highlights a specific field plot, which is shown in a larger, detailed view below. The detailed view shows the field's surface with green yield data overlays. A central text box in this view displays '10-1 31.73 ha'. The interface includes a sidebar with various icons and a navigation bar at the top showing years from 2020 to 2024. A right-hand panel titled 'Tildelingslag' provides detailed information about the task, including download and send-to-machine buttons, and a dropdown menu for 'Pletsprojektion'.

2020 2021 2022 2023 2024

ISTRUP HUSE

Markplan

Markanalyser

**Tildelingslag**

Prognoser

Basislag

Hotspots

Fremstillingspris

Uddyttebenchmark

Indstillinger

SEGES  
INNOVATION

Samarbejdspartnere

Download Send til maskine

Oplysninger om opgave (10-1)

Tildelingsmodel (Pletsprojektion)

Pletsprojektion

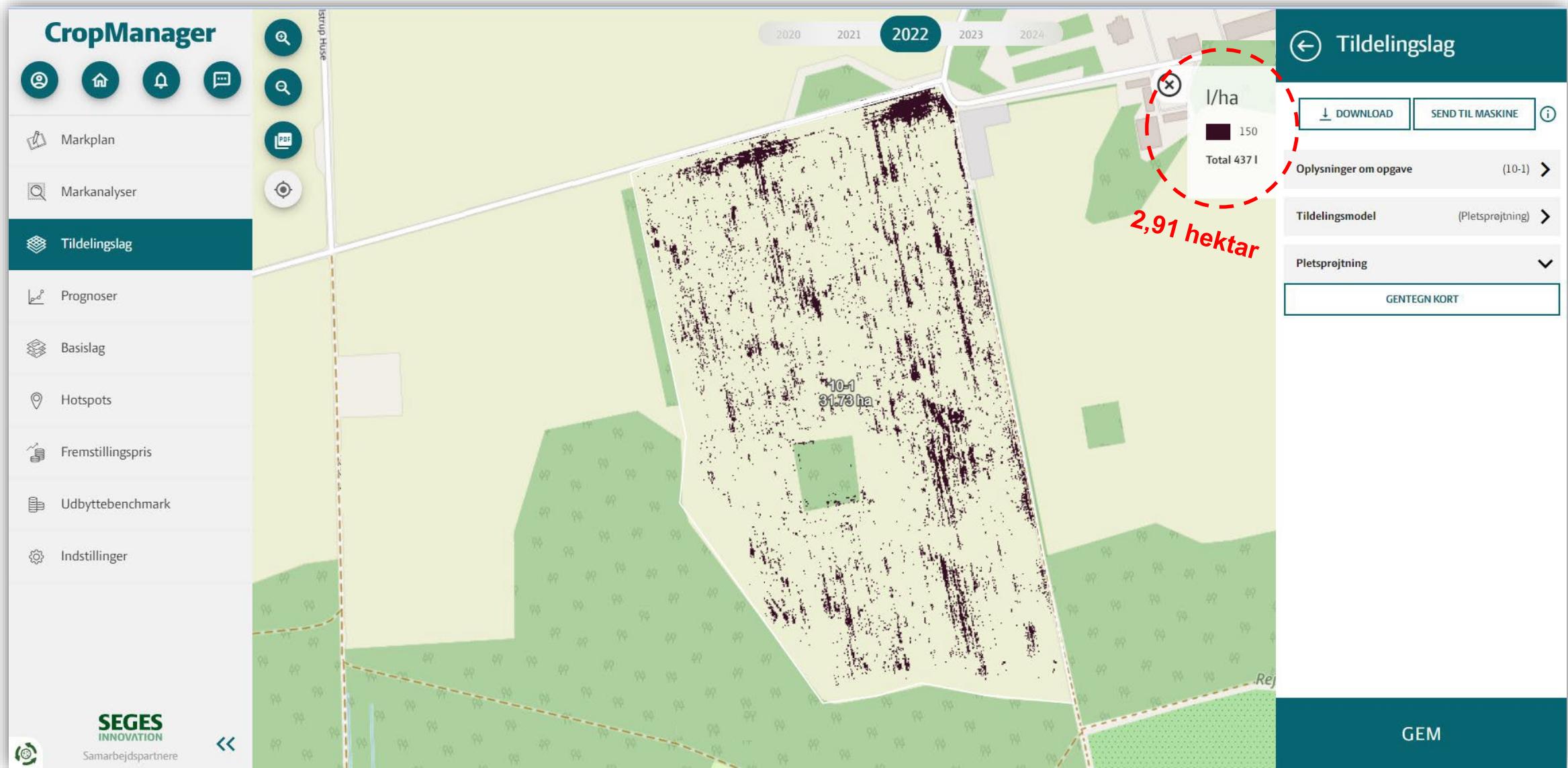
10-1

Billede 12-01-2022 - Falster

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OPDATER KORT

GEM





# Tech to keep an eye on.....

- GPS with RTK precision on row level – recorded line "lay the tracks"
- Correspondence between systems (drill – row sprayer or/and row cultivator)
- Algorithms developed to be able to calibrate via AI "on the fly"
- Image processing with multi-spectral or hyper-spectral images
- Development in everything that is vision-based
- Development from Danish universities (AU, KU, SDU), Teknologisk Institut and many private tech companies
- Fascinating time to be alive – time is working for us

