

Overcoming Challenges in Seed Growing

Kristian Juranich

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STØTTET AF

Froafgiftsfonden

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 i grass seed



"Row cropping" irl

Poa pratensis



Perennial Ryegrass



Tall fescue



Off the shelf or in the workshop?



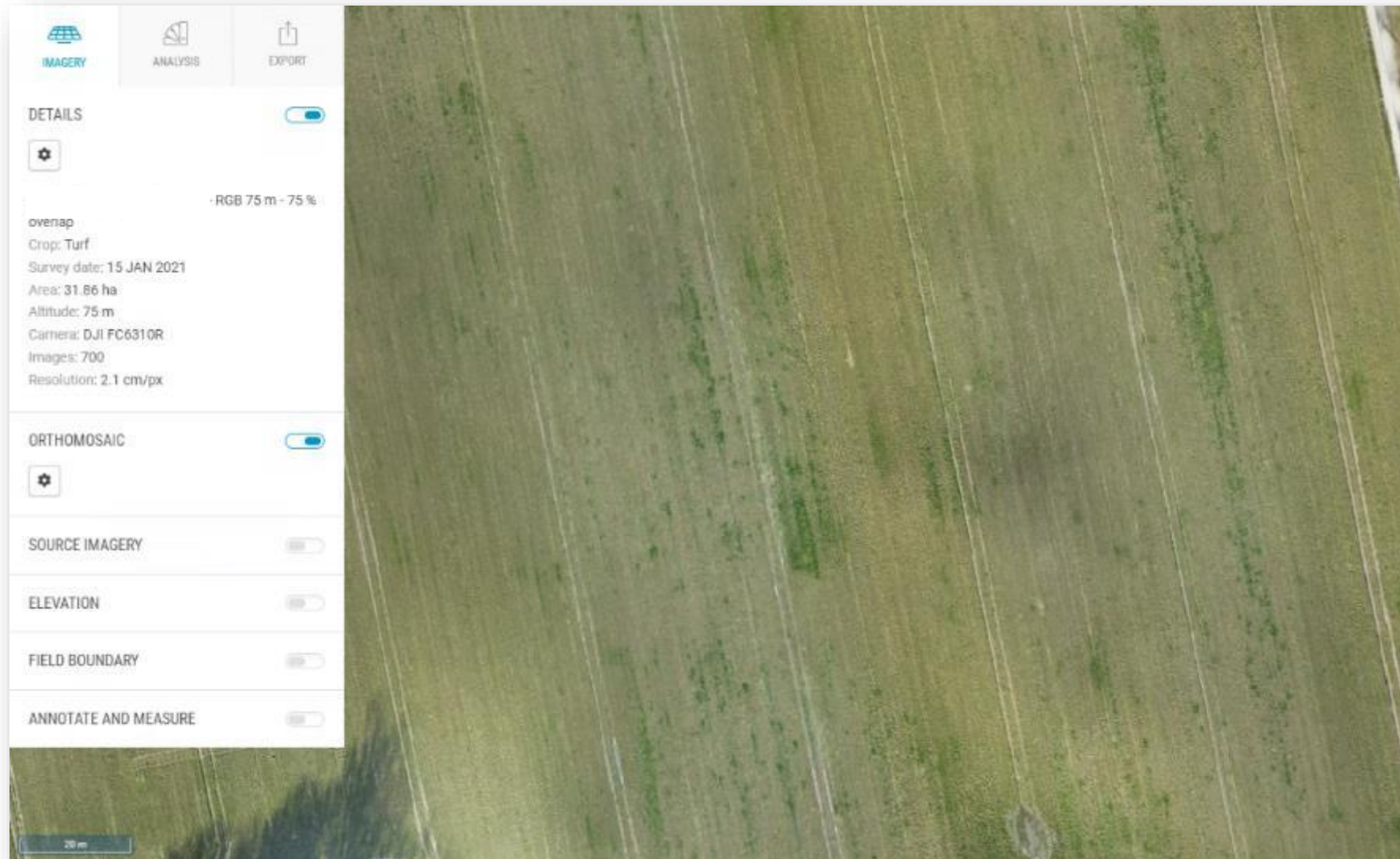
Any future in robots?



Shapes and sizes



Vulpia from a bird's eye view



CropManager

2020 2021 **2022** 2023 2024

- Markplan
- Markanalyser
- Tildelingslag**
- Prognoser
- Basislag
- Hotspots
- Fremstillingspris
- Udbyttebenchmark
- Indstillinger

10-1
31.73 ha

← Tildelingslag

DOWNLOAD SEND TIL MASKINE

Oplysninger om opgave (10-1) >

Tildelingsmodel (Plietsprøjtning) >

Plietsprøjtning

10-1

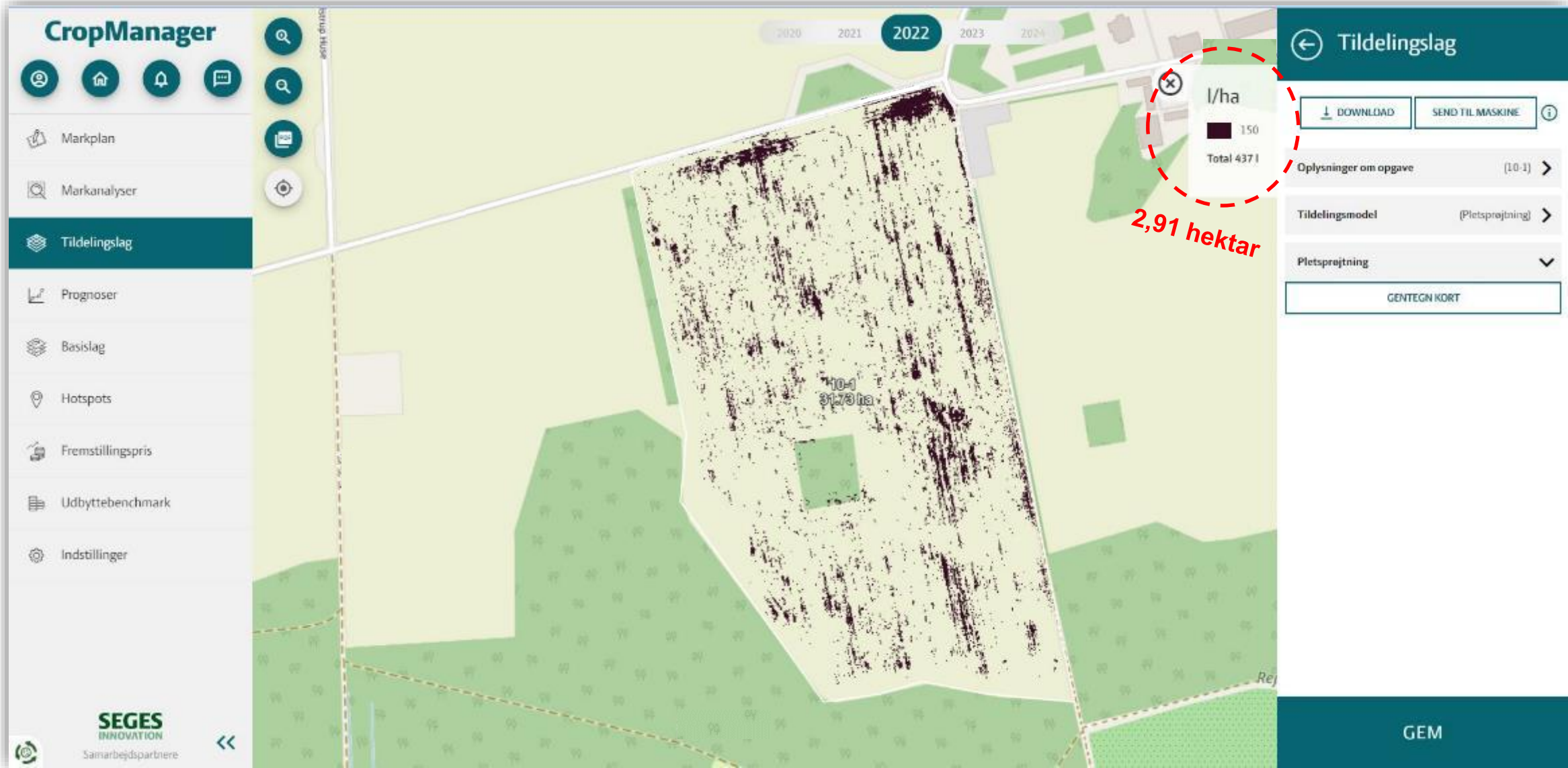
Billede 12-01-2022 - Fabster

lav ————— høj

OPDATER KORT

GEM

SEGES INNOVATION Samarbejdspartnere





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

