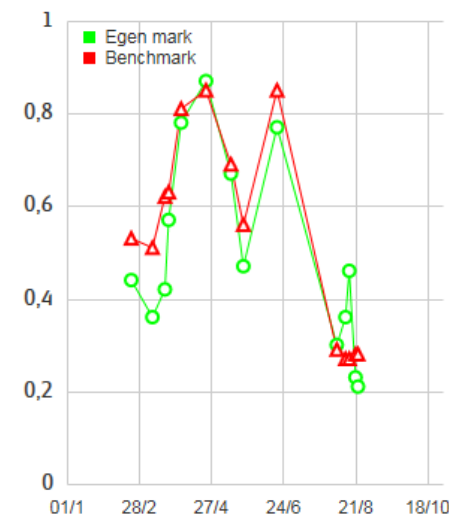


“Smart Farming/Smart Advice: The digital catalyst for a more sustainable and competitive agriculture”

Jens Elbæk, SEGES



Biomasse for 1-0 Vinterraps



STØTTET AF

SEGES

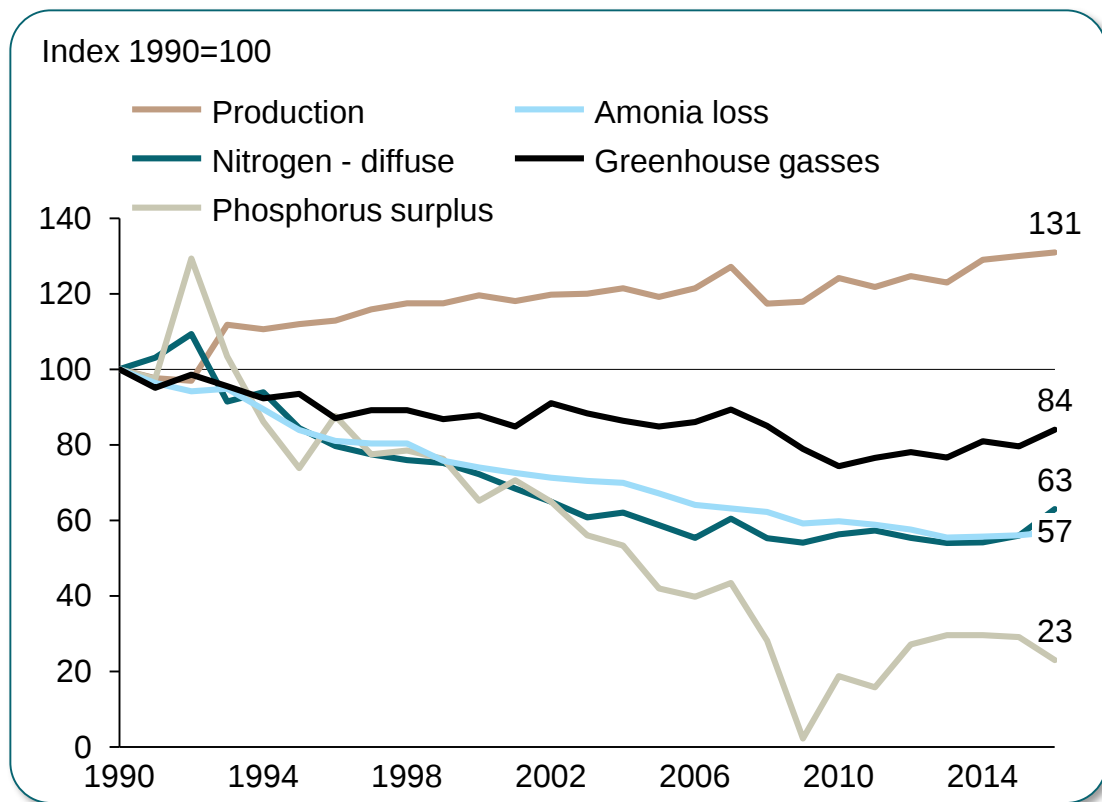
Promilleafgiftsfonden for landbrug



A greeting from Denmark



Larger production with less input and impact (1990-2014)



Source: DCE rapporter nr. 205 og 206 (2016); DCE: Agriculture (<http://envs.au.dk>).UNFCCC: National Inventory Submissions 2016; Danmarks Statistiks Nationalregnskab; EIONET.Central Data Repository: Inventories for the Convention on Long-range Transboundary Air Pollution."

Our goal: To produce more with less...

To make data create value and to create value through precision

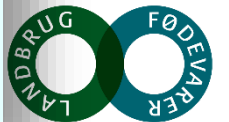
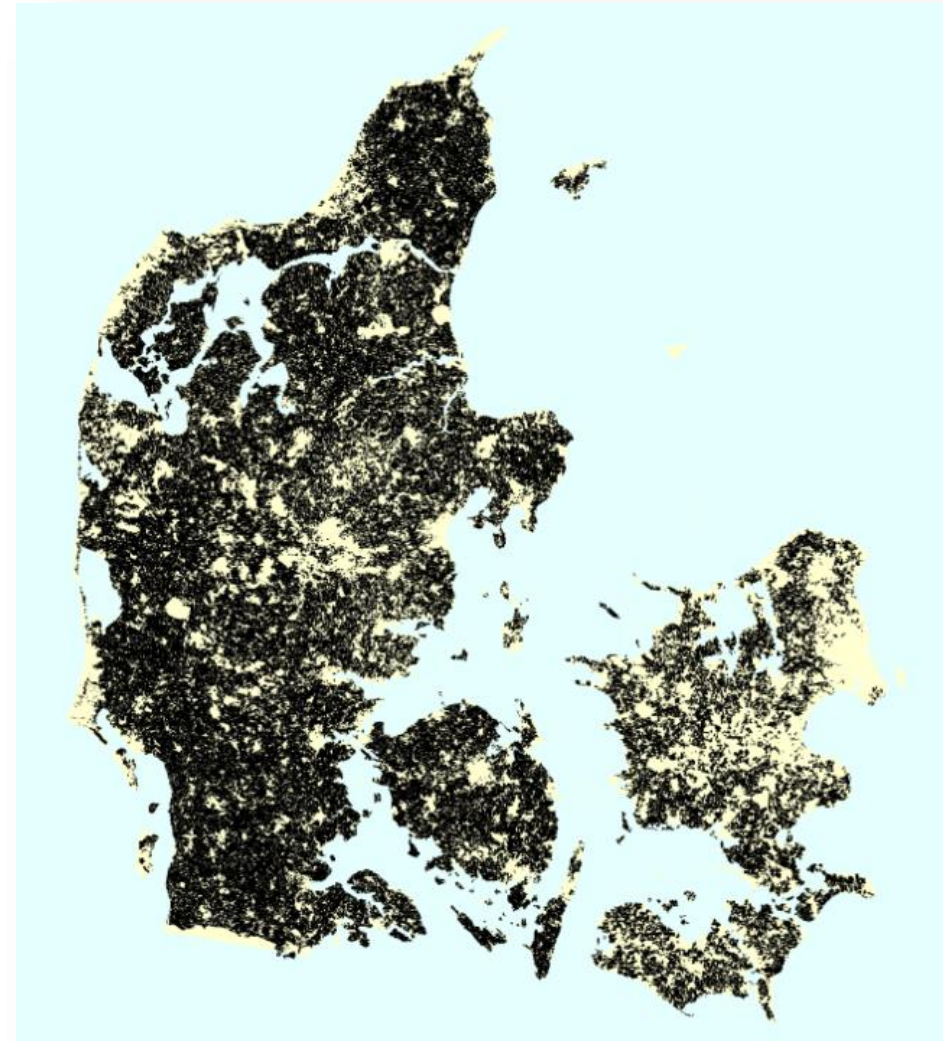
Thanks to our FMS systems

We have a lot of data...

We cover 99 % of the cultivated area

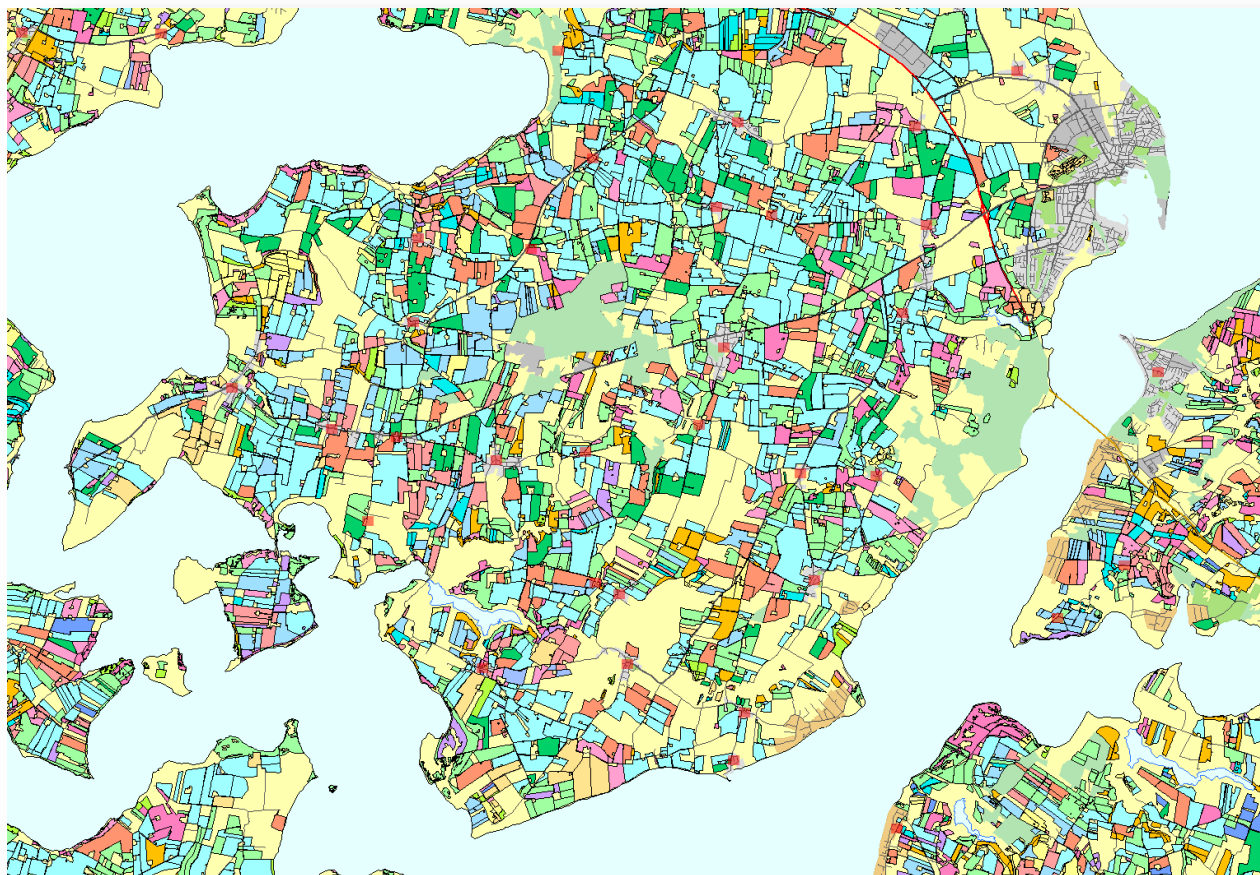


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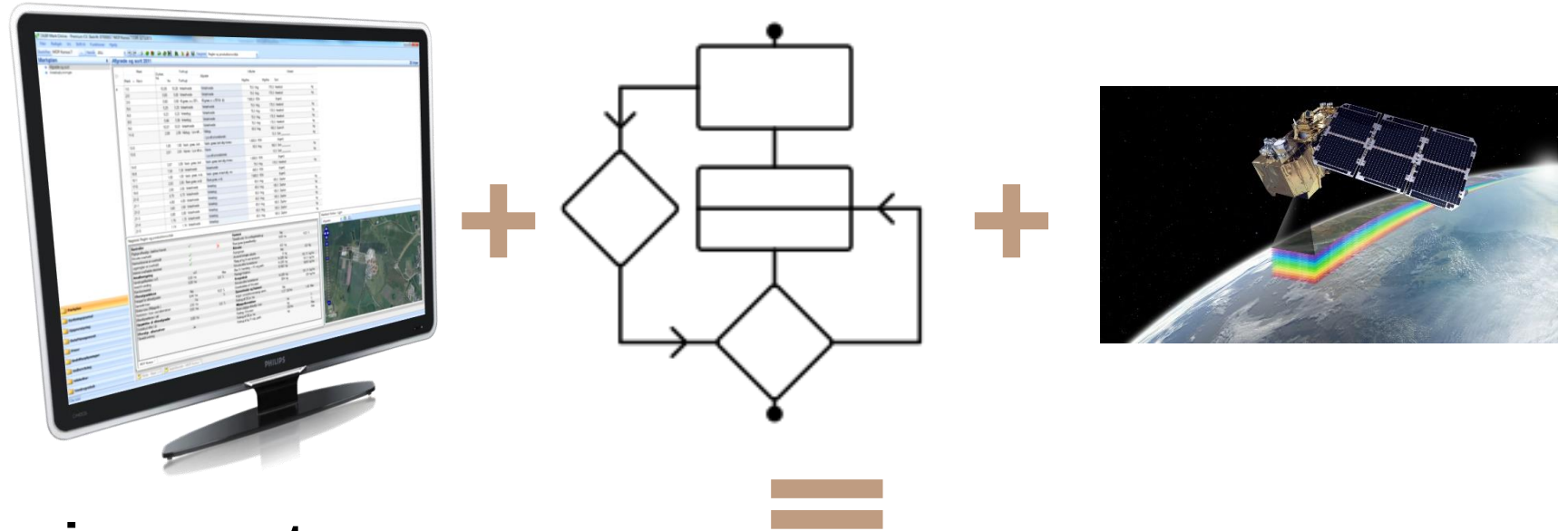


Detailed information at ground level

- Area, geography
- Crop, rotation, crop variety
- Soil treatment, sowing,
- Fertilization
- Soil samples
- Plant protection
- Yield
- Livestock, stable type etc.
- ...



We will make precision farming "mainstream"



- To do precision farming must be as easy, as not to do precision farming.
- If you must be a nerd - we've failed

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Growth regulation ver. 2.1

SKEMA TIL VURDERING AF RISIKO FOR LEJESÆD I VINTERSÆD

Giv marken en samlet risikovurdering ud fra valg af point i følgende kategorier

Lav risiko 1 point	Medium risiko 2 point	Høj/øget risiko 3 point	Point (udfyld kolonne)
Lav udsædsmængde	Medium udsædsmængde	Høj udsædsmængde	
Sort (høj stråstyrke)	Sort (medium stråstyrke)	Sort (lav stråstyrke)	
Sen såning	Normal såtid	Tidlig såning	
Lavt N-niveau	Medium N-niveau	Højt N-niveau	
Sandjord	Andre jordtyper	Humusjorde/lerjorder	
Forfrugt korn	Forfrugt korn	Forfrugt f.eks. roer/rops	
Sen/delt gødning	Alm. tidspunkt	Tidlig gødsning	
Spinkle efterafgrøder	Alm. efterafgrøder	Kraftige efterafgrøder	
Ingen husdyrgødning	Husdyrgødning ofte	Altid husdyrgødning	
Sum			

Samlede antal point	
Lav risiko for lejesæd	9-12
Medium risiko for lejesæd	13-18
Høj risiko for lejesæd	19-27

CropManager



Markplan

Markanalyser

Tildelingslag

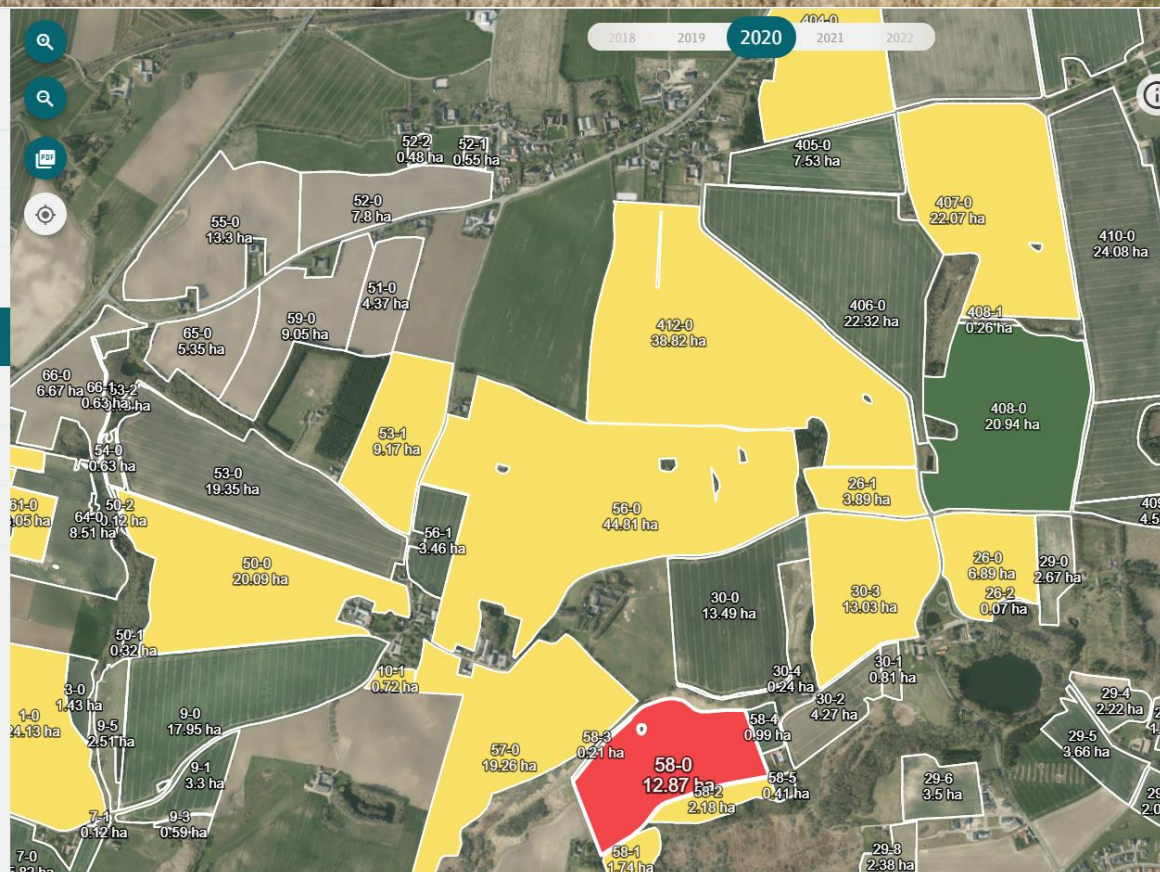
Prognoser

Hotspots

Udbyttebenchmark

Indstillinger

SEGES
Samarbejdspartnere



Vækstregulering

Markareal: 12,87 ha
Afgrøde: Vinterhvede

Emne	Navn	Score
Jordtype	Finsand	0
Sort	Sheriff	0
Såtidspunkt	06-09-2019	2
Biomasse	NDVI	0
N forskel: Tilført – behov	0 N/ha	0
N for 1. april	128 N/ha	1
Eftervirkning	29 N/ha	1
Samlet score		4

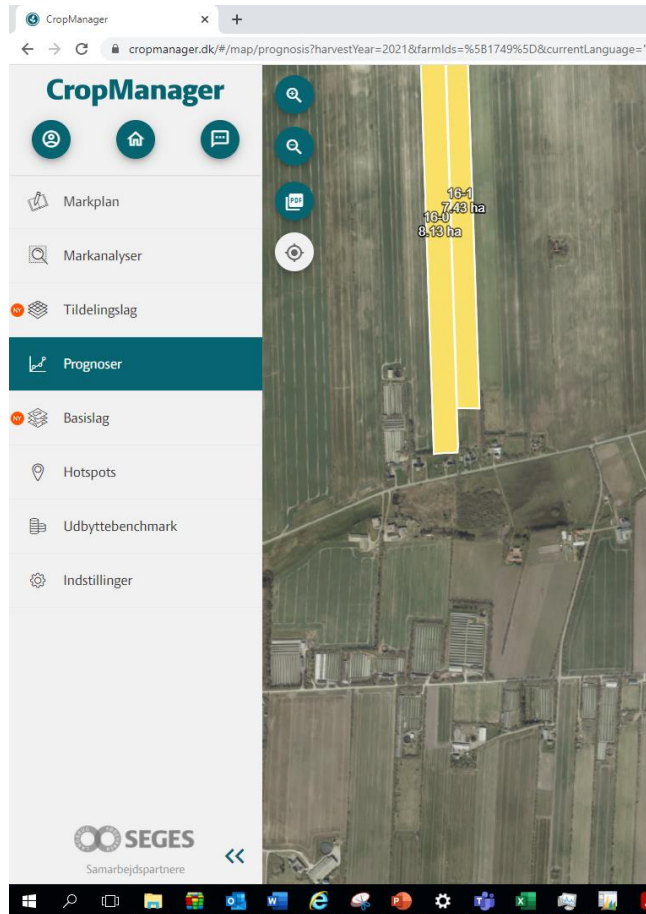
Lejesædsrisiko

[Introduktionsvideo](#)
[Læs mere om vækstreguleringsprognosen](#)

Skala for risiko for lejesæd i vinterhvedemarker:

- Lav risiko (Score under -2)
- Medium risiko (Score fra -2 til 3)
- Høj risiko (Score over 3)
- Ingen data

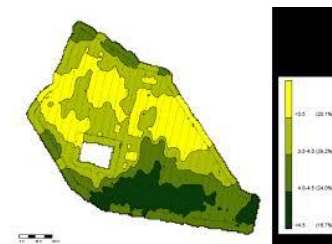
And then we added an insurance



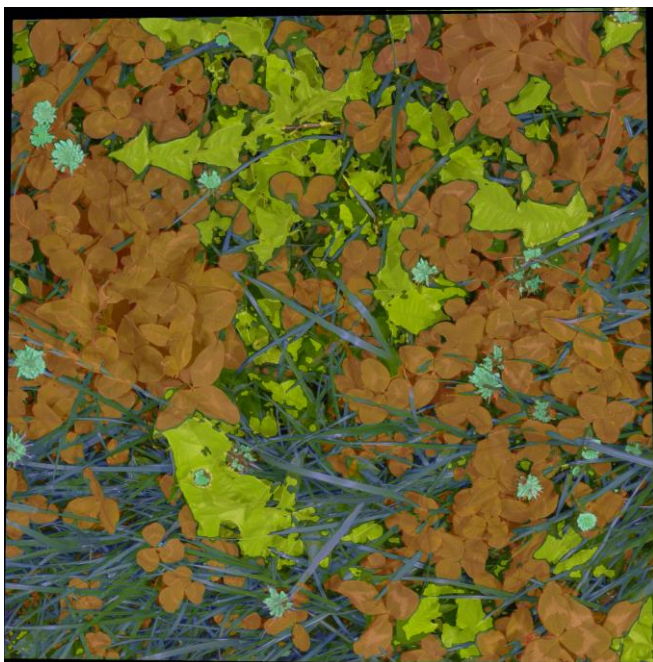
Compensation calculate on the basis
of satellite or aerial photo



Fertilization according to Clover Ratio



Clover %

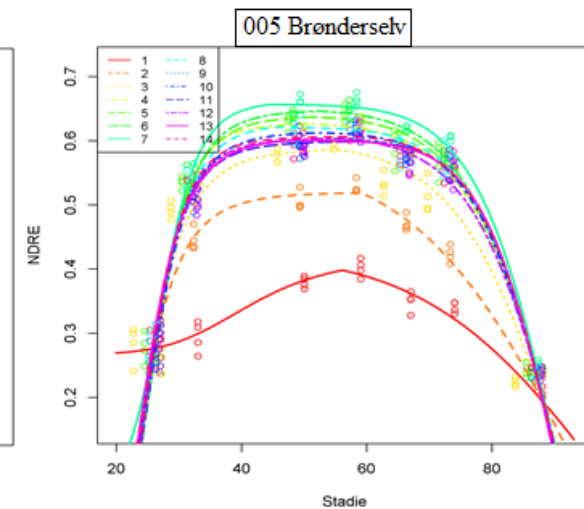
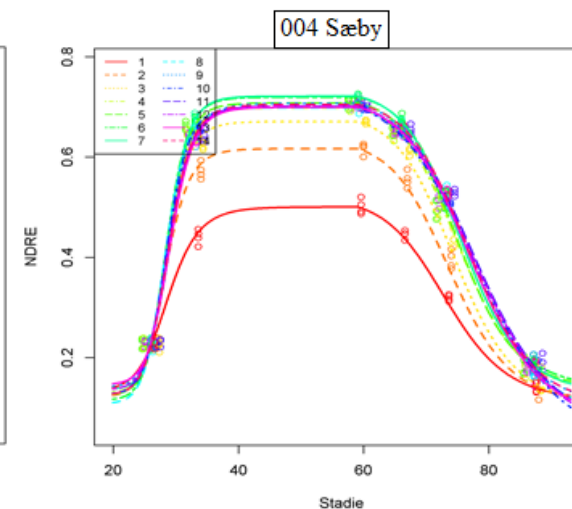
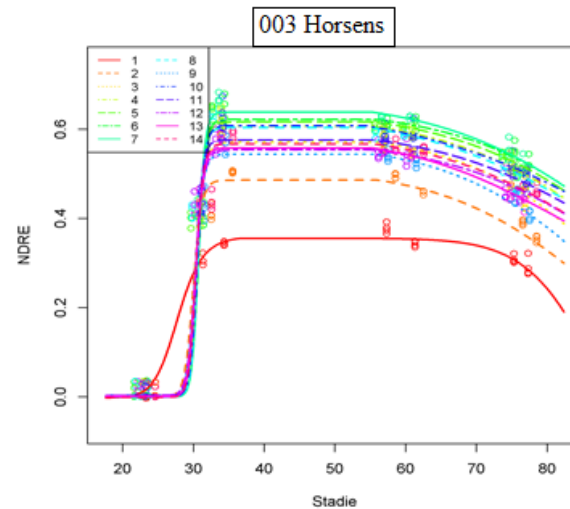
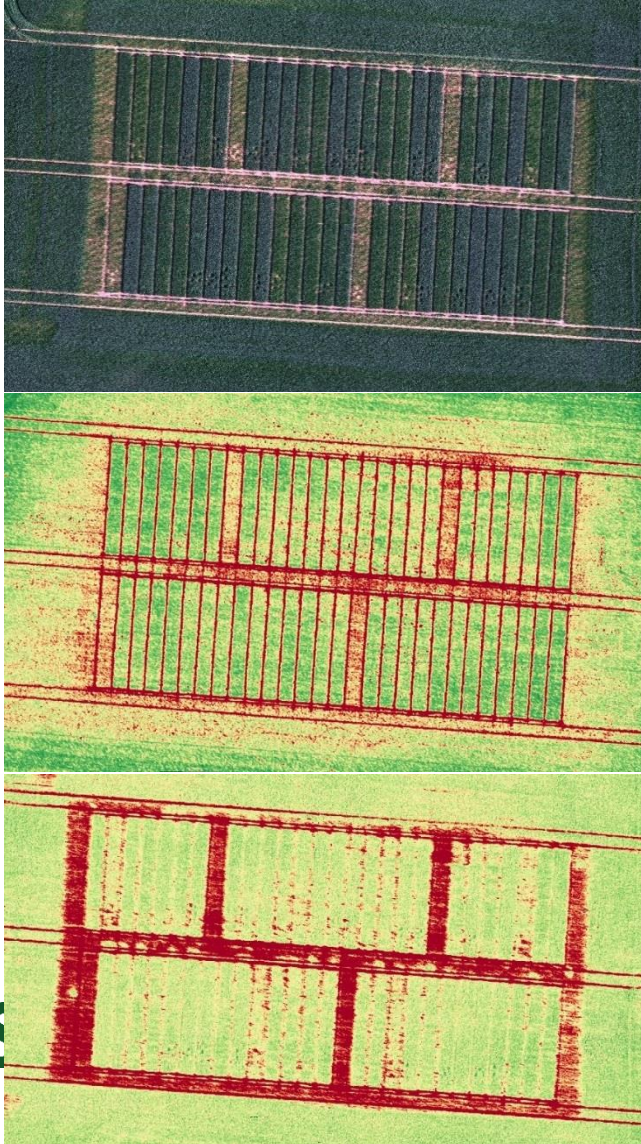


SEGES

Rasmus Nyholm's research group, AU



Knowledge based on new technology - and 100 years of field trails





Thank you for your attention!