DRONE-REG prosjektet

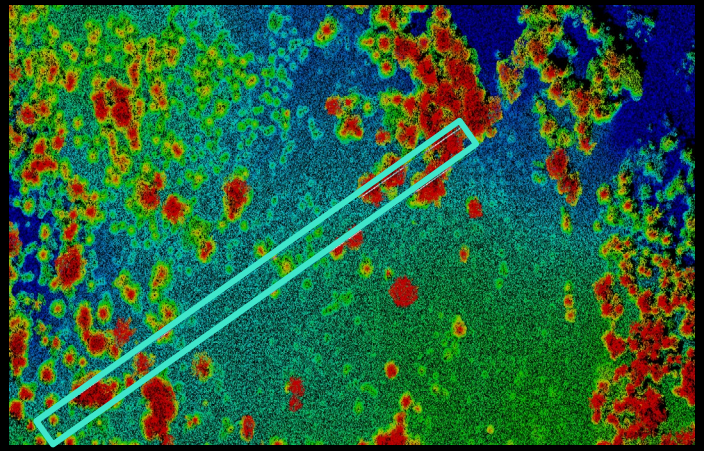
Bruk av droner for kartlegging av ungskogpleiebehov

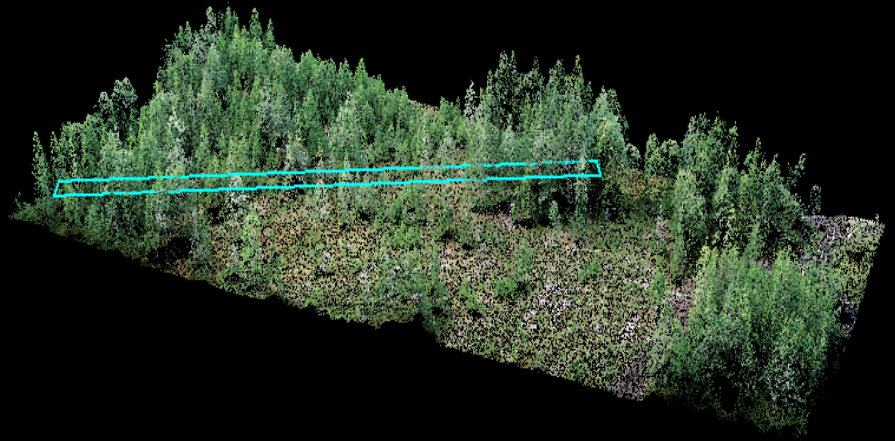
NIBIO
NORSK INSTITUTT FOR BIOØKONOMI

MJØSEN SKOG

ROMEDAL ALMENNING & STANGE ALMENNING

Fylkesmannen i Hedmark

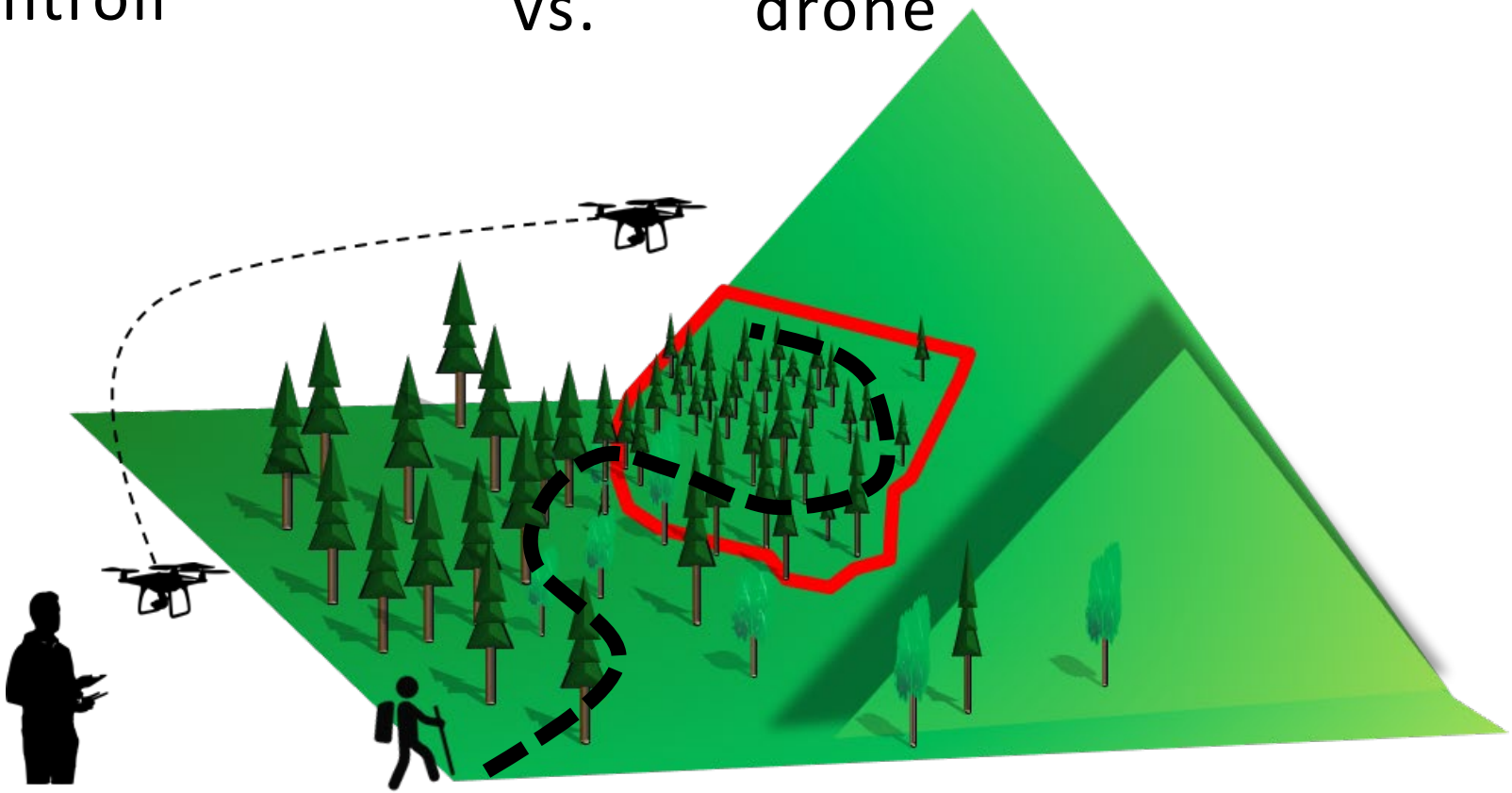




DRONE-REG prosjektet

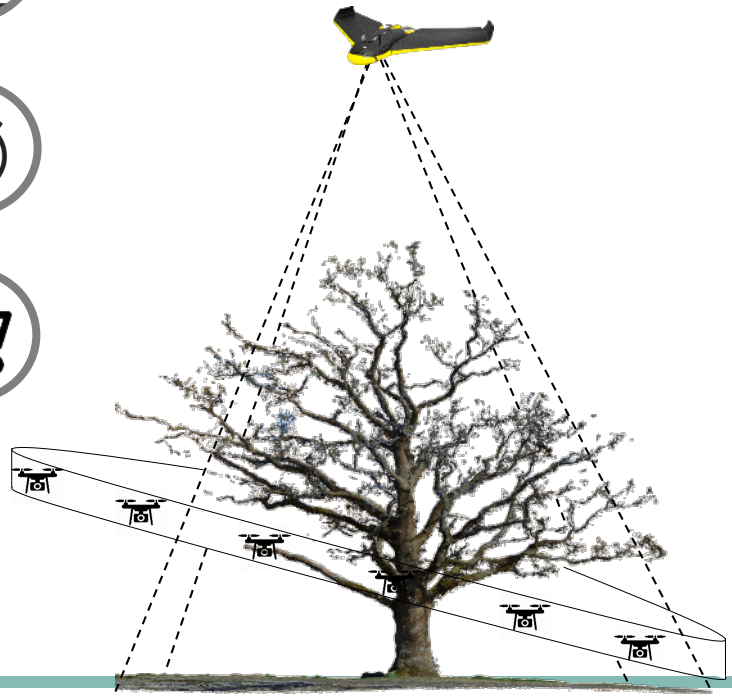
Finansiert av:
Utviklingsfondet for skogbruket
Verdiskapingsfondet

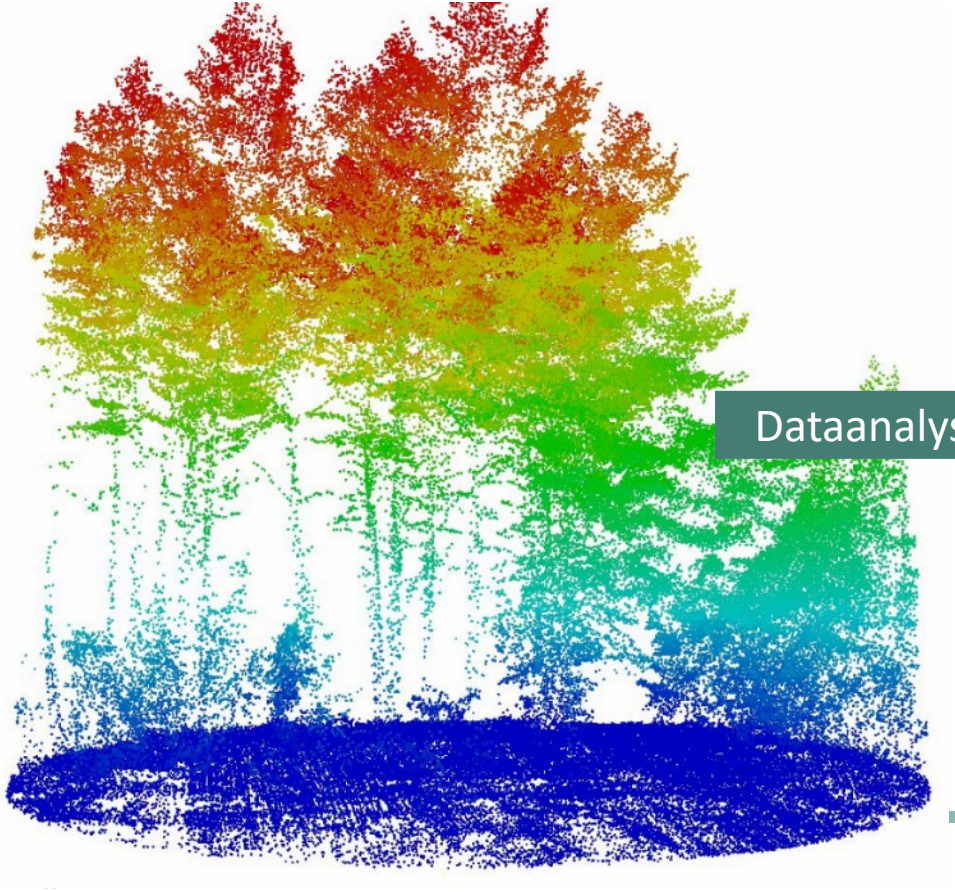
Feltkontroll vs. drone



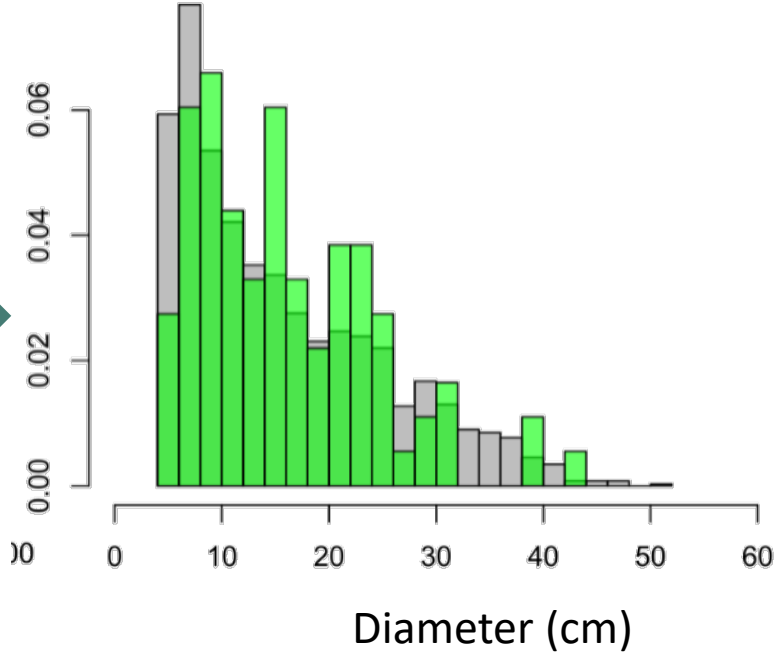
Droner

- «On-demand» undersøkelser
- Rask respons
- Lett tilgjengelige verktøy





Dataanalyse



Hvorfor droner i ungskogen?

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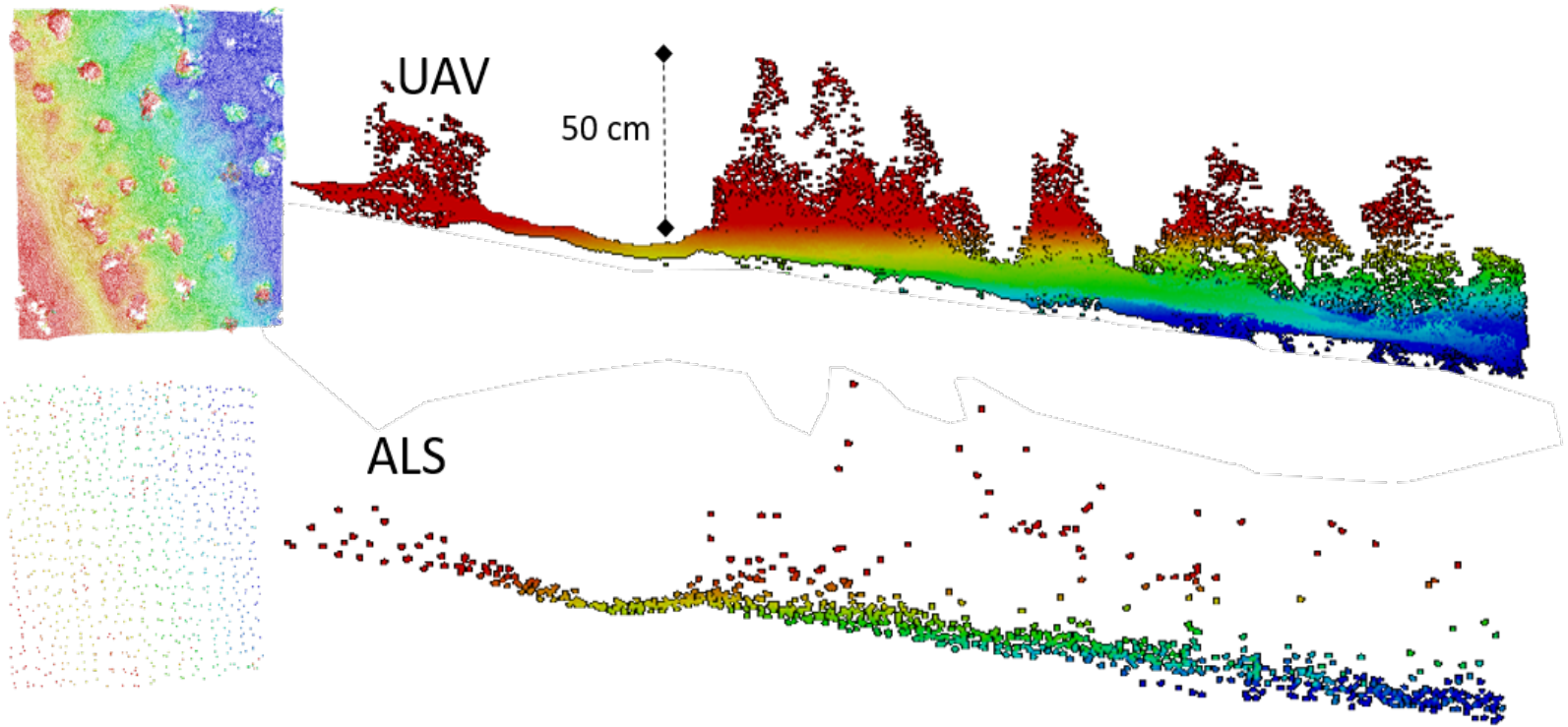


Hva vi gjorde

MJØSEN SKOG

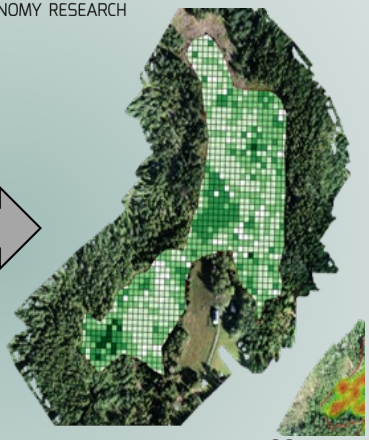
Måling av prøveflatene

Feltbefaringer

ROMEDAL ALMENNING
& STANGE ALMENNING

NIBIO
NORWEGIAN INSTITUTE OF BIOECONOMY RESEARCH

Drone



Kart: Treantall, Trehøyde, Treslagsfordeling

Ungskogpleie/ Kostnader

remote sensing

MDPI

Article

Use of UAV Photogrammetric Data for Estimation of Biophysical Properties in Forest Stands Under Regeneration

Stefano Puliti *, Svein Solberg and Aksel Granhus

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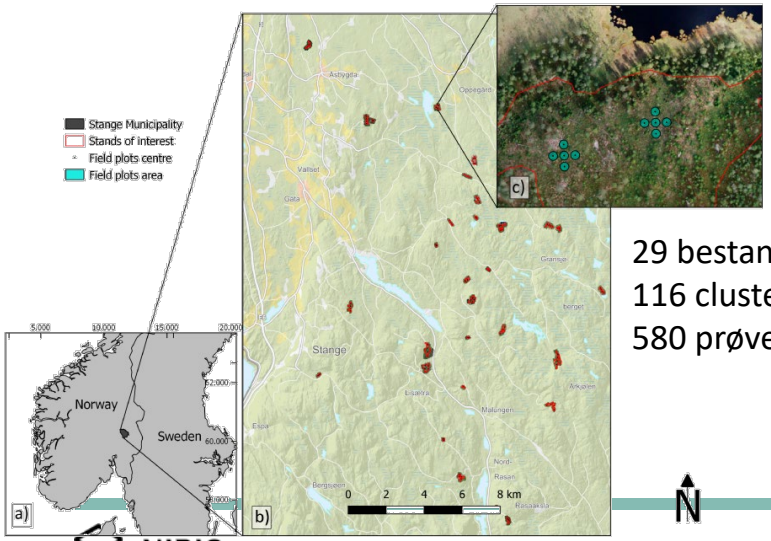
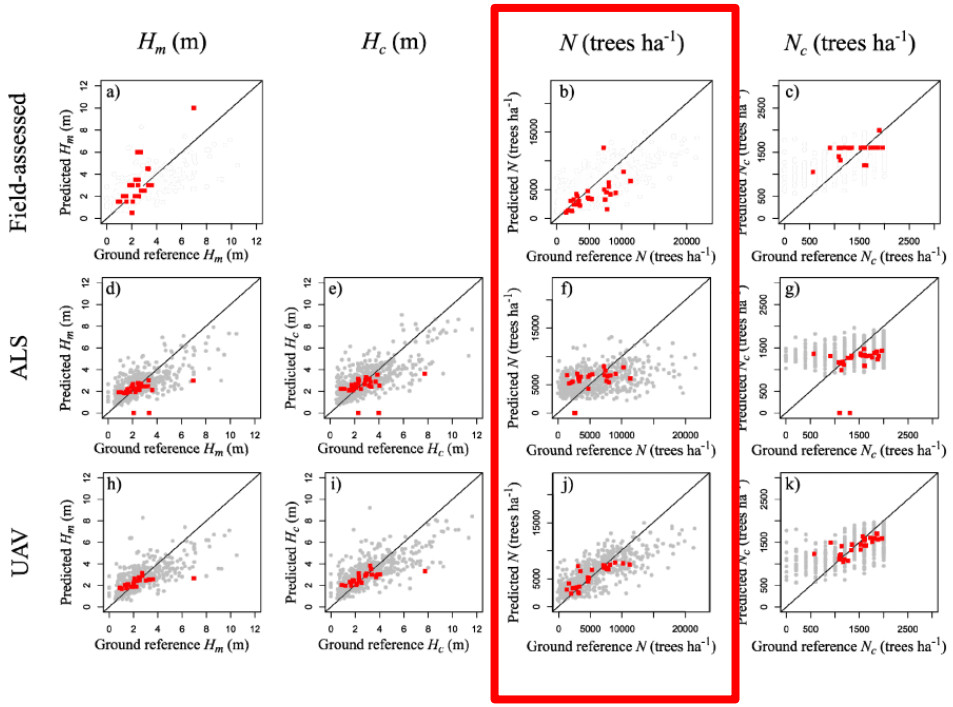
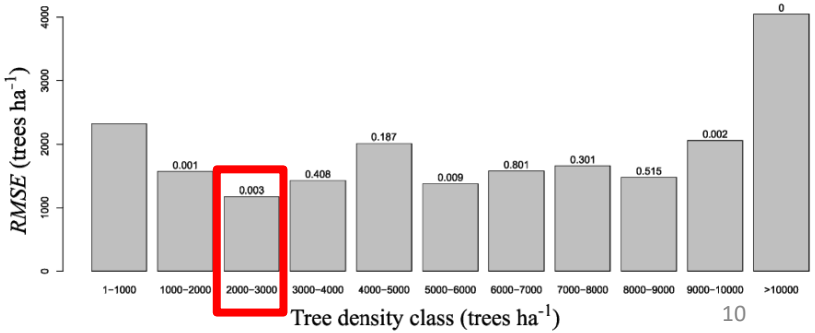
check for updates



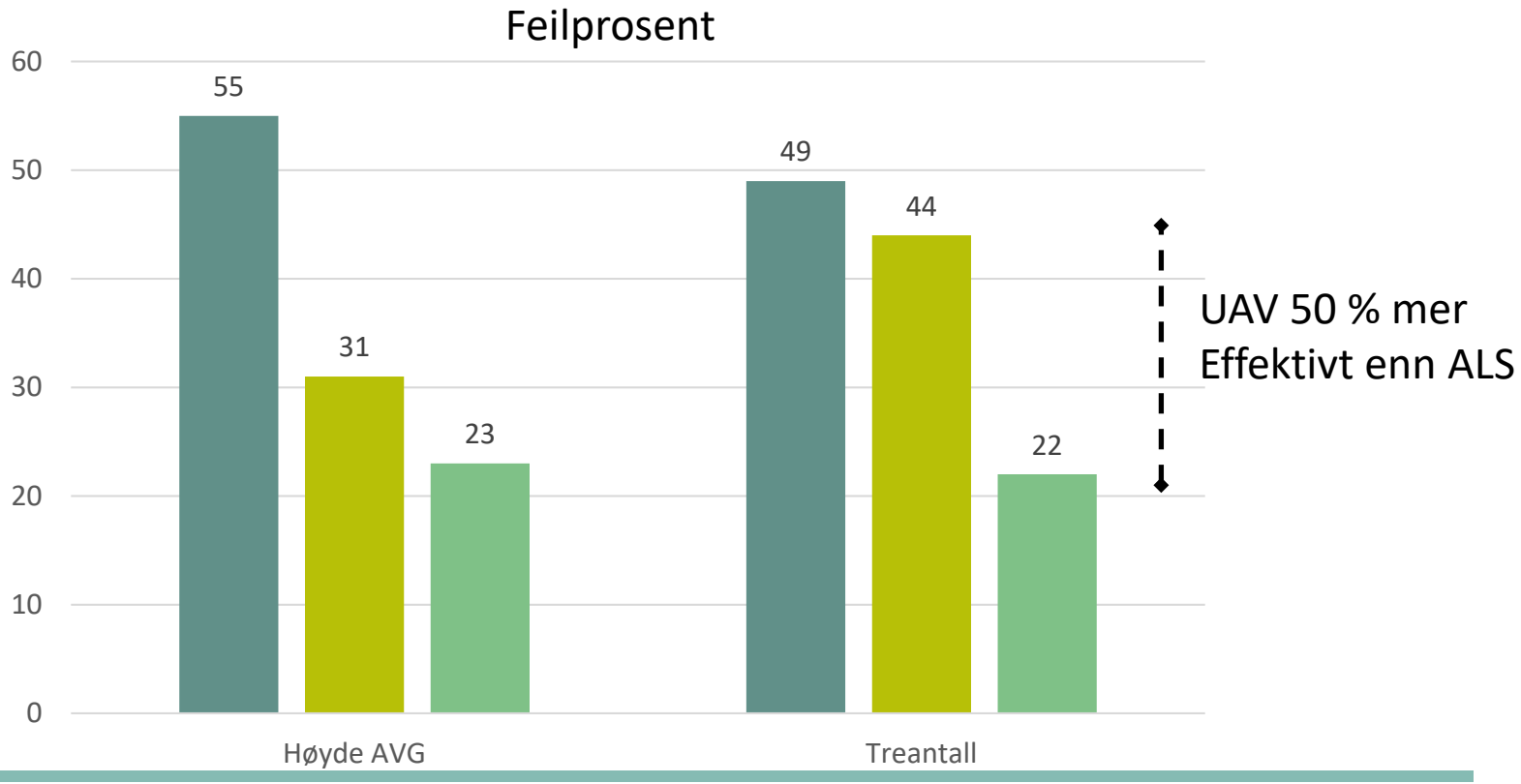
29 bestand
116 clustere
580 prøveflater



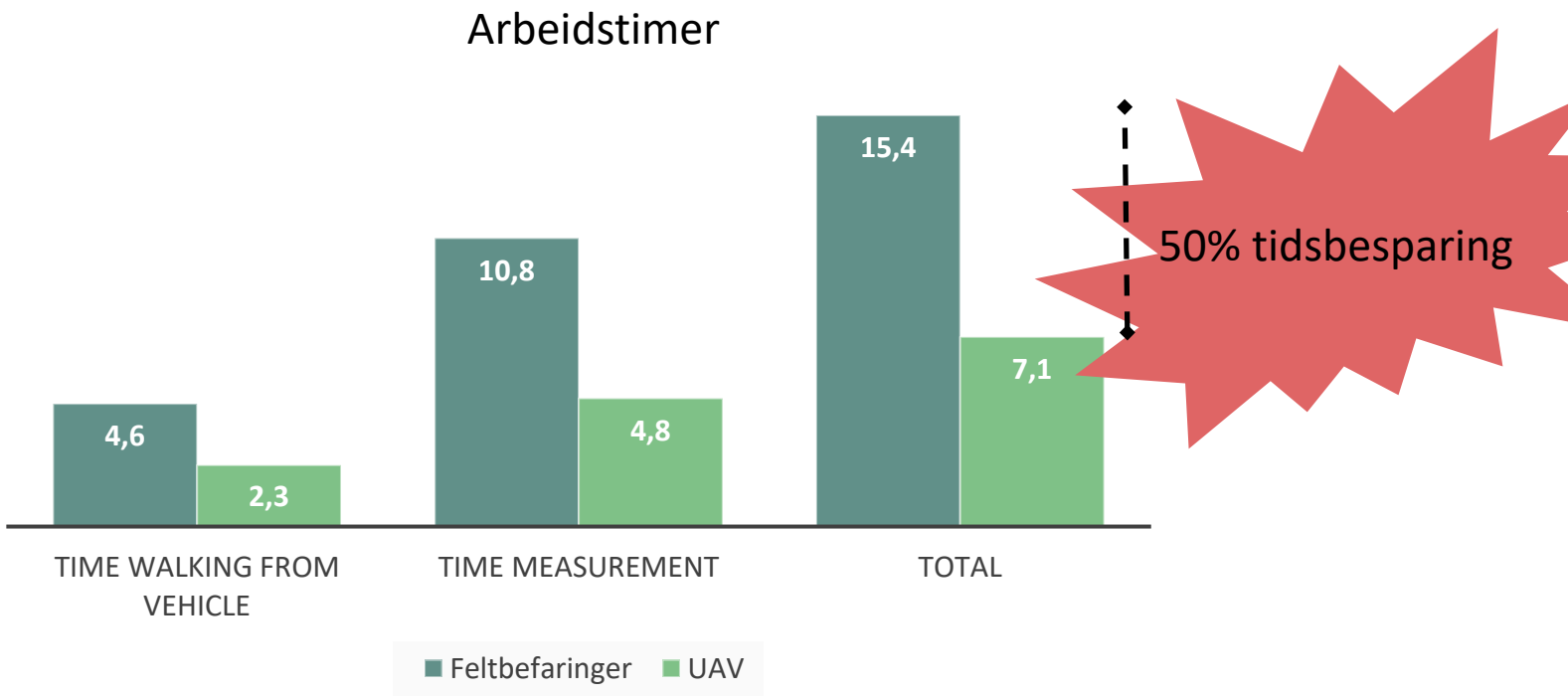


NIBIO

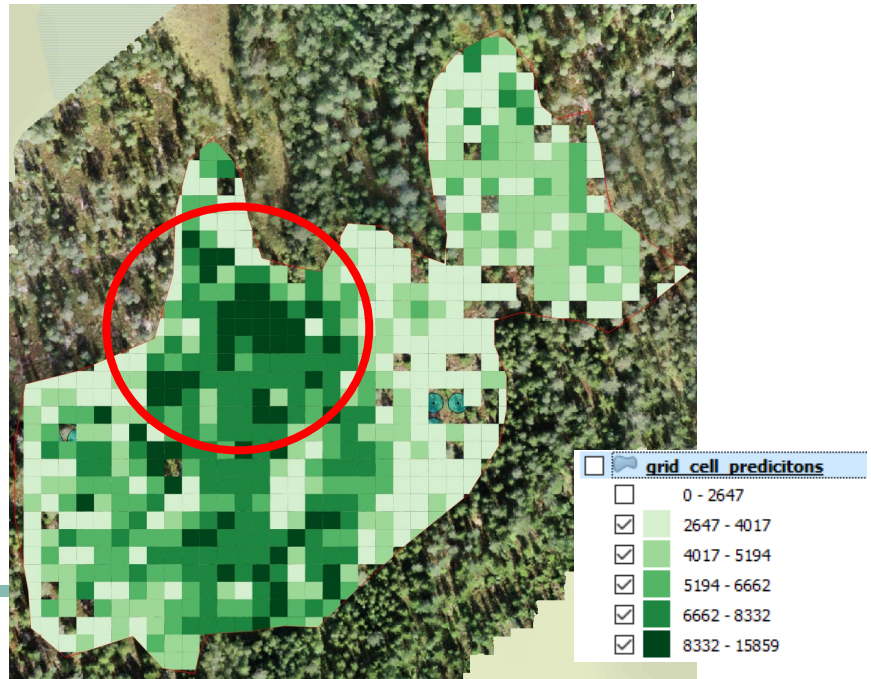
Nøyaktighet av høyde og treantall



Tidsreduksjon



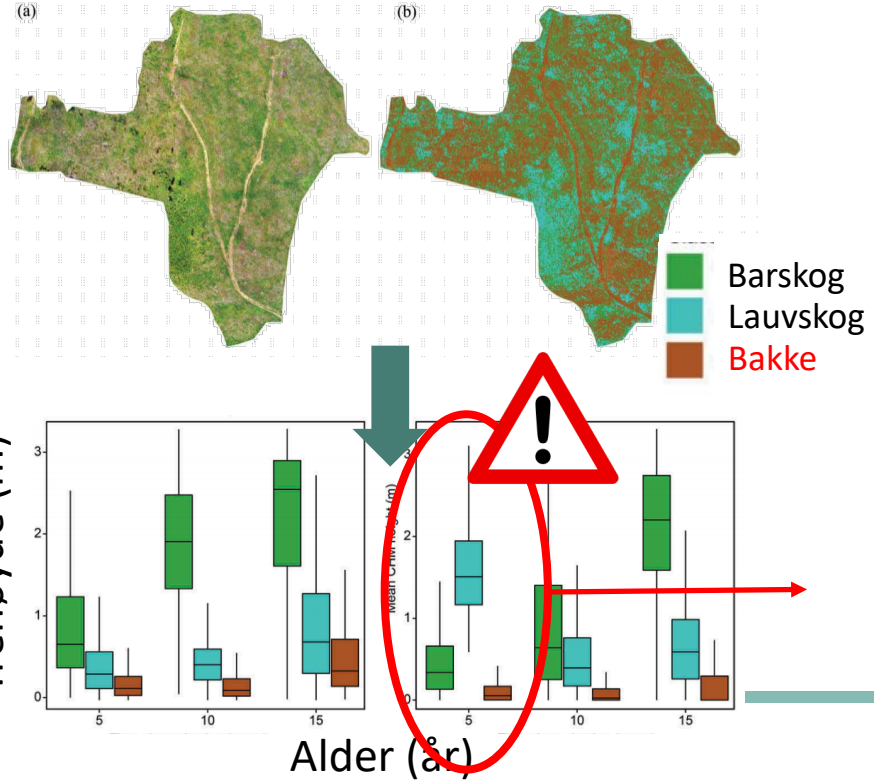
Et flybilde sier ikke alt!

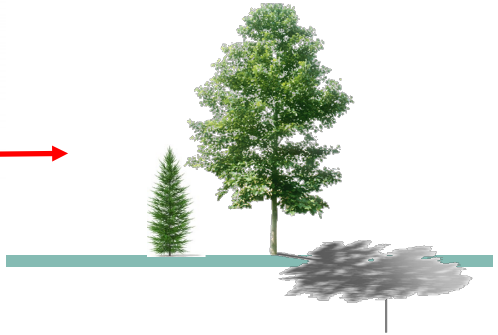


Kartlegging %

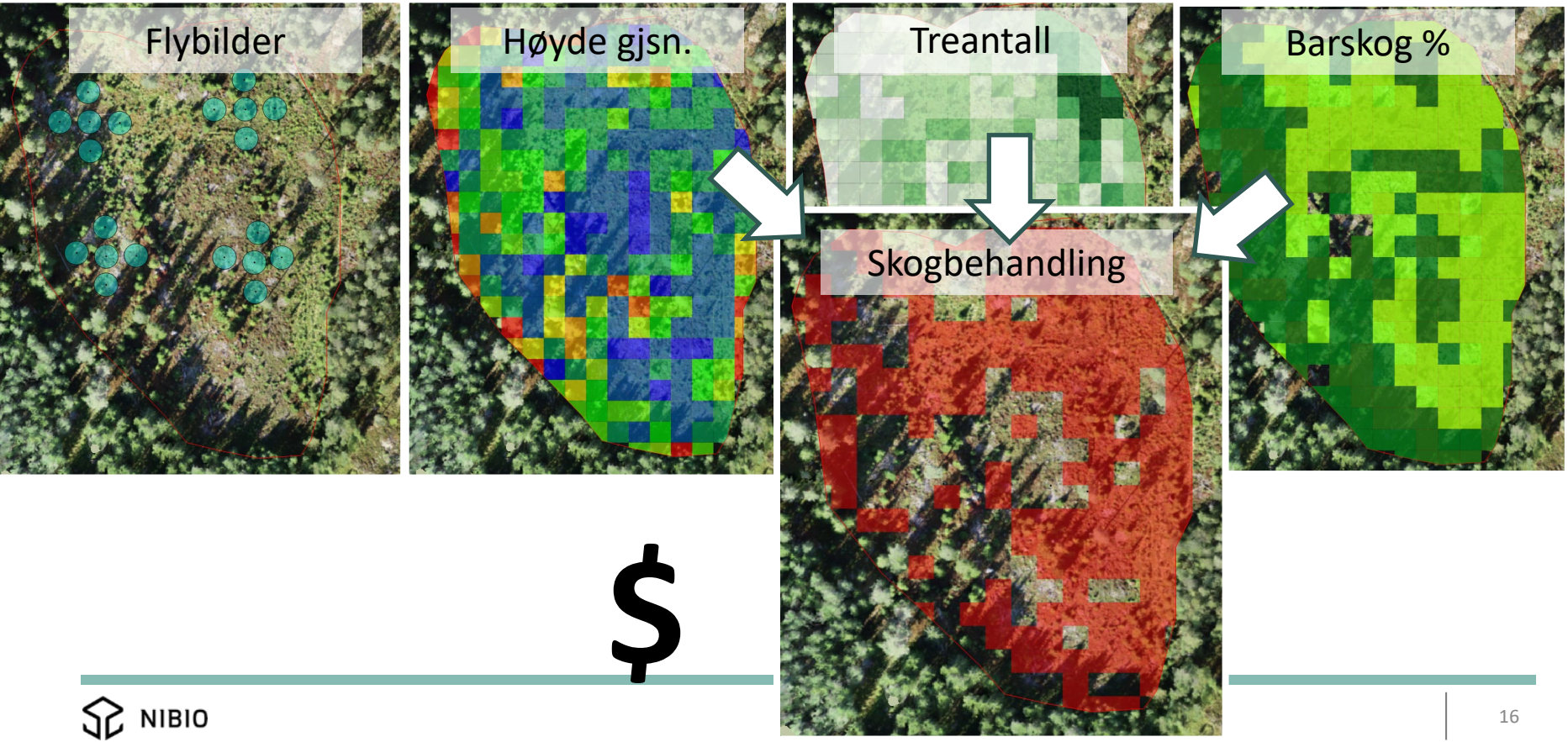
Vs

– Nøyaktighet 79%

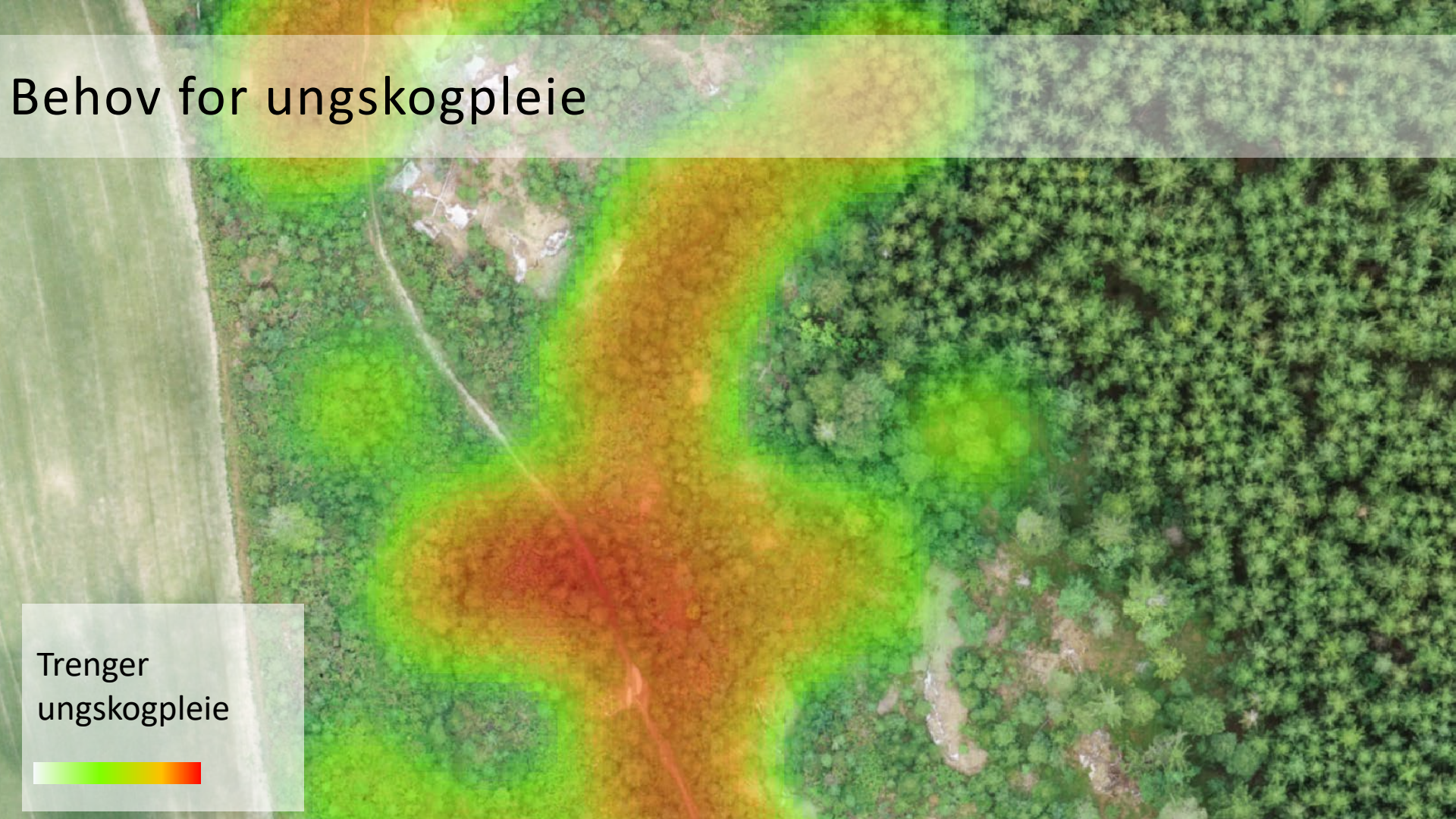




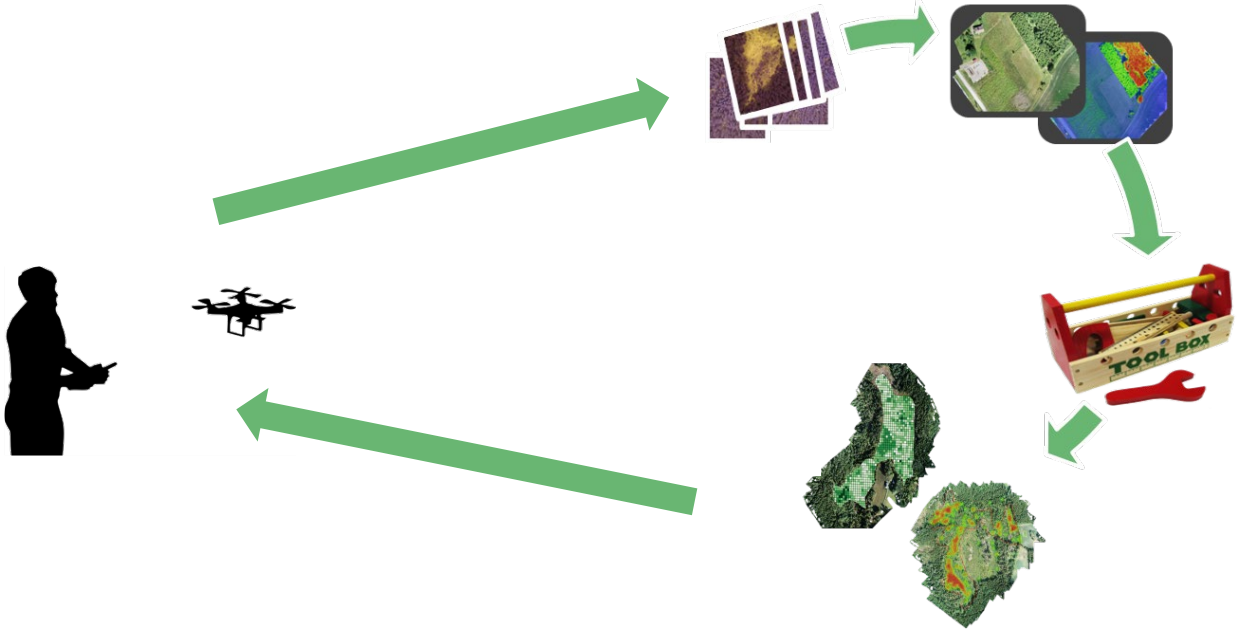
Dataanalyse for valg av tiltak (timing og behov)



Behov for ungskogpleie



NIBIO og fremtiden for bruk av droner i norsk skogsektor



«Take home»:

- Droner er et verktøy for nøyaktige og objektive registreringer i ungskogen
- Bruk av droner reduserer tidsbruken i felt med om lag 50%
- Billigere og bedre beslutningsgrunnlag