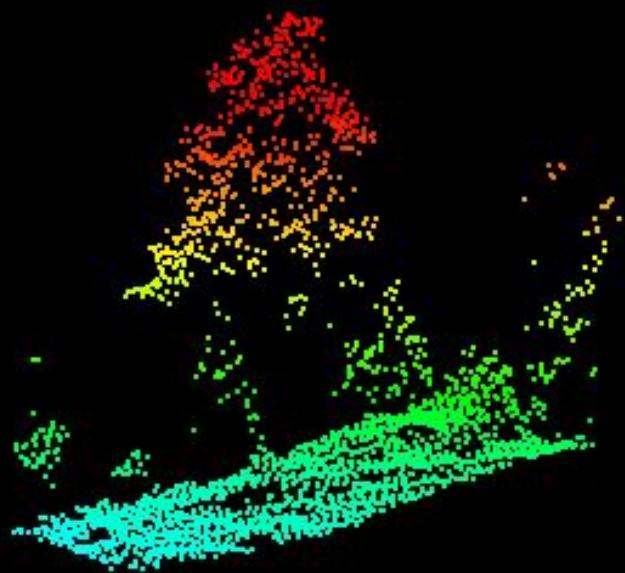




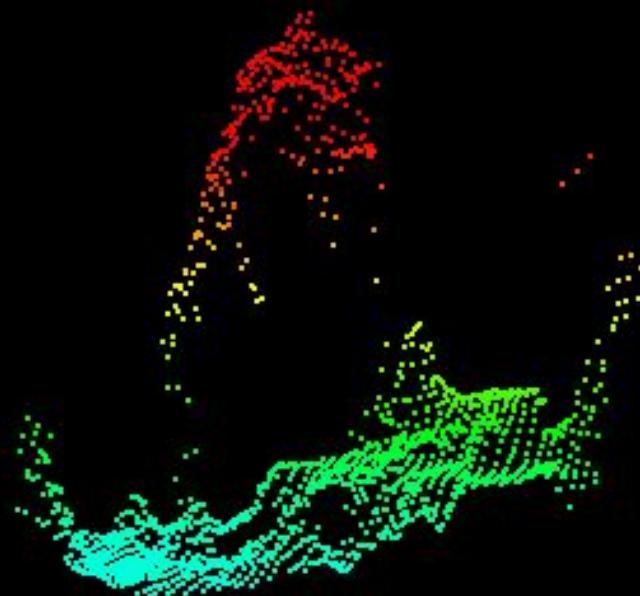
Hvorfor fungerte ikke  
bildematching i Rendalen?

Hans Ole Ørka

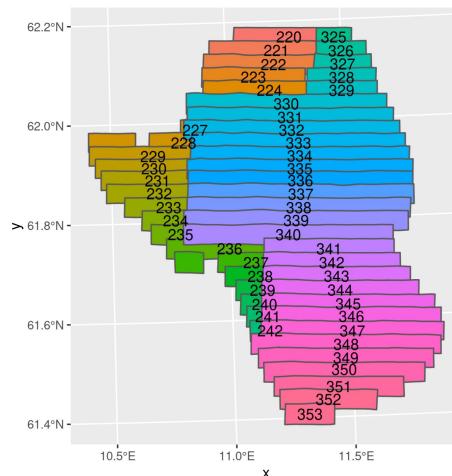
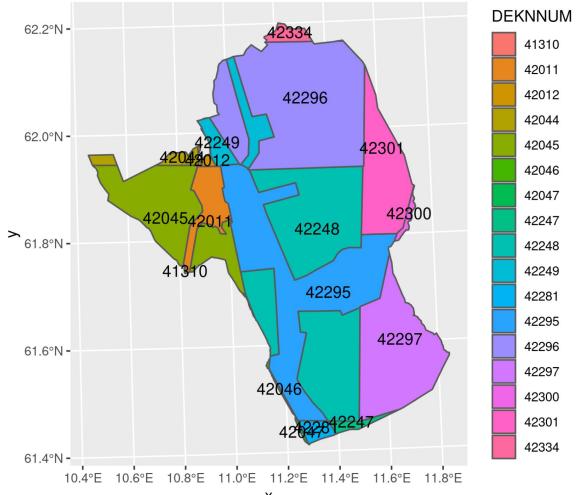
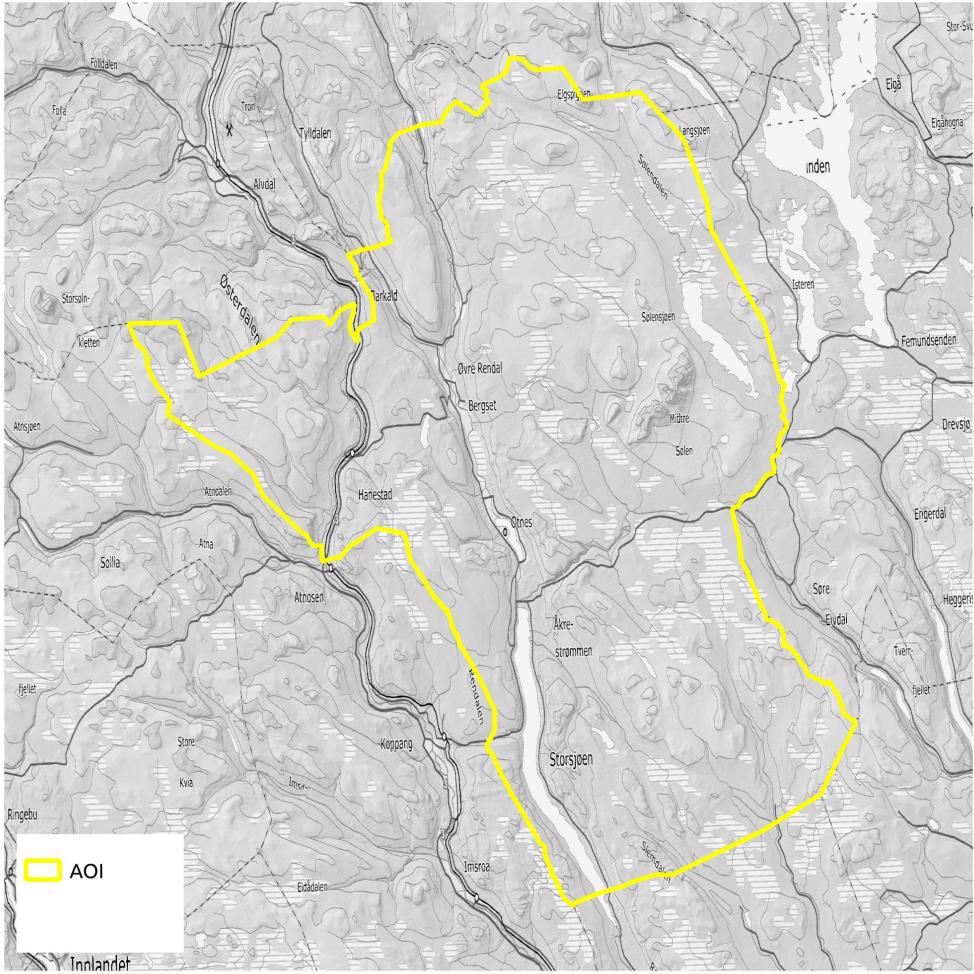
# Er laser bedre enn bildematching?



Airborne laser scanning (ALS)

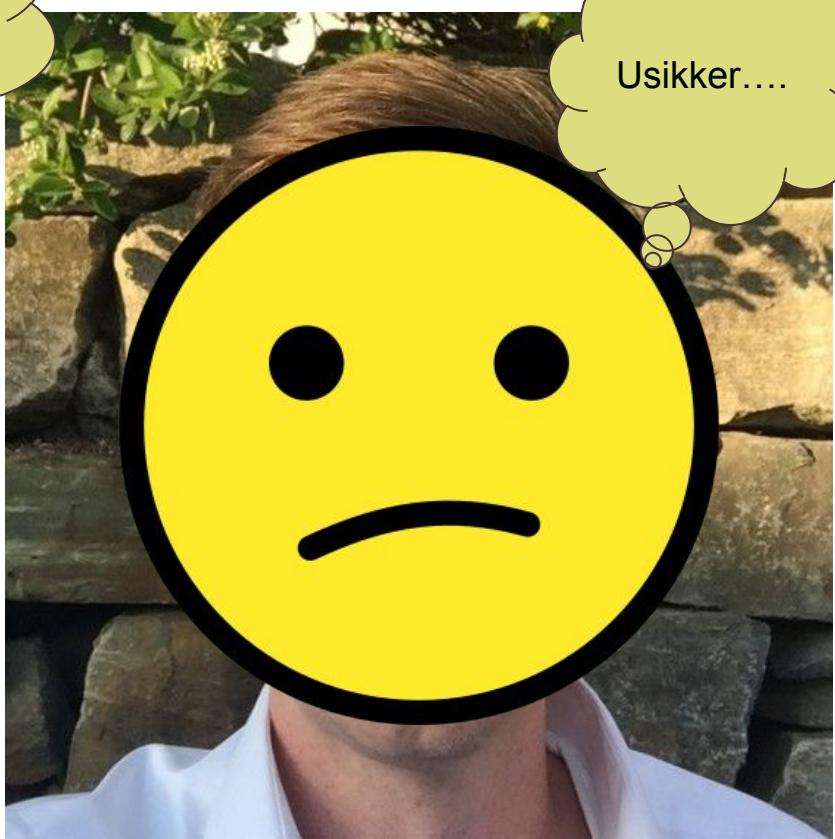


Bildematching  
Digital aerial photogrammetry (DAP)





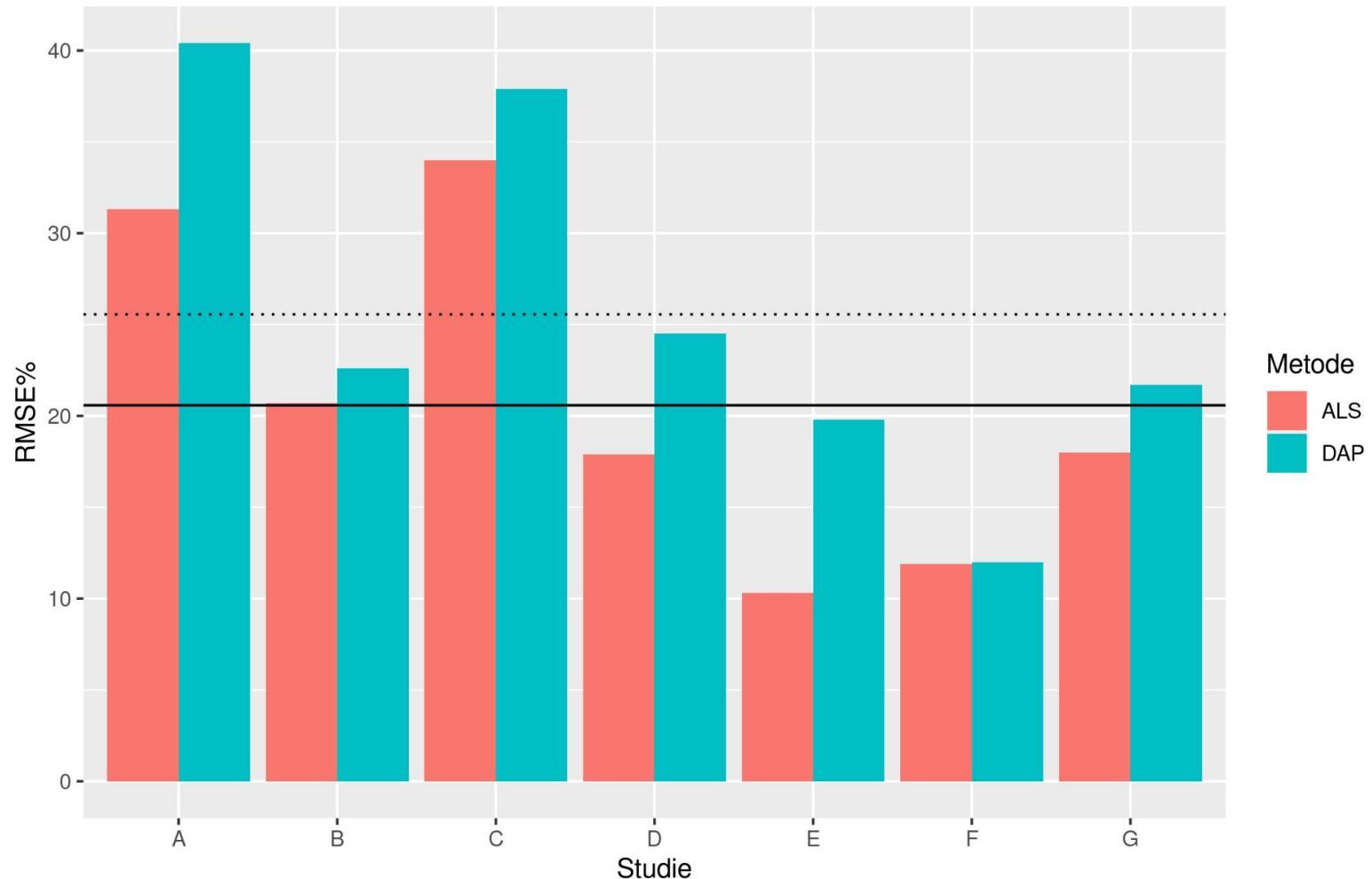
DAP nesten like bra som  
ALS.



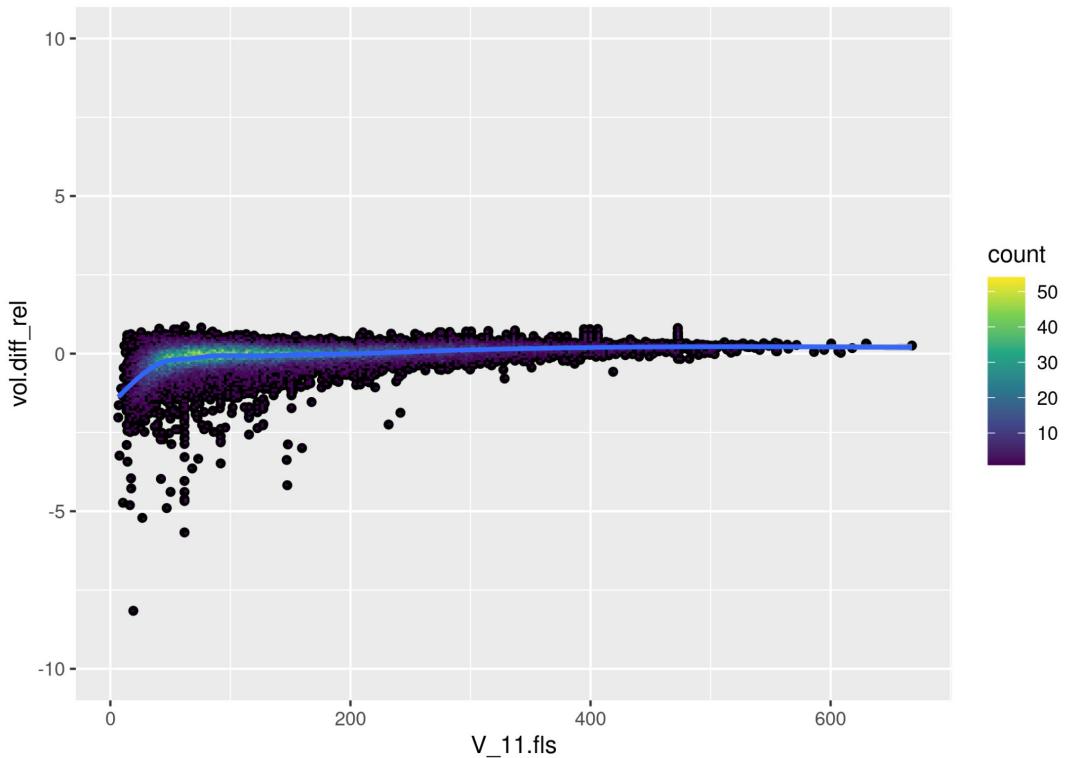
Usikker....

# DAP vs ALS

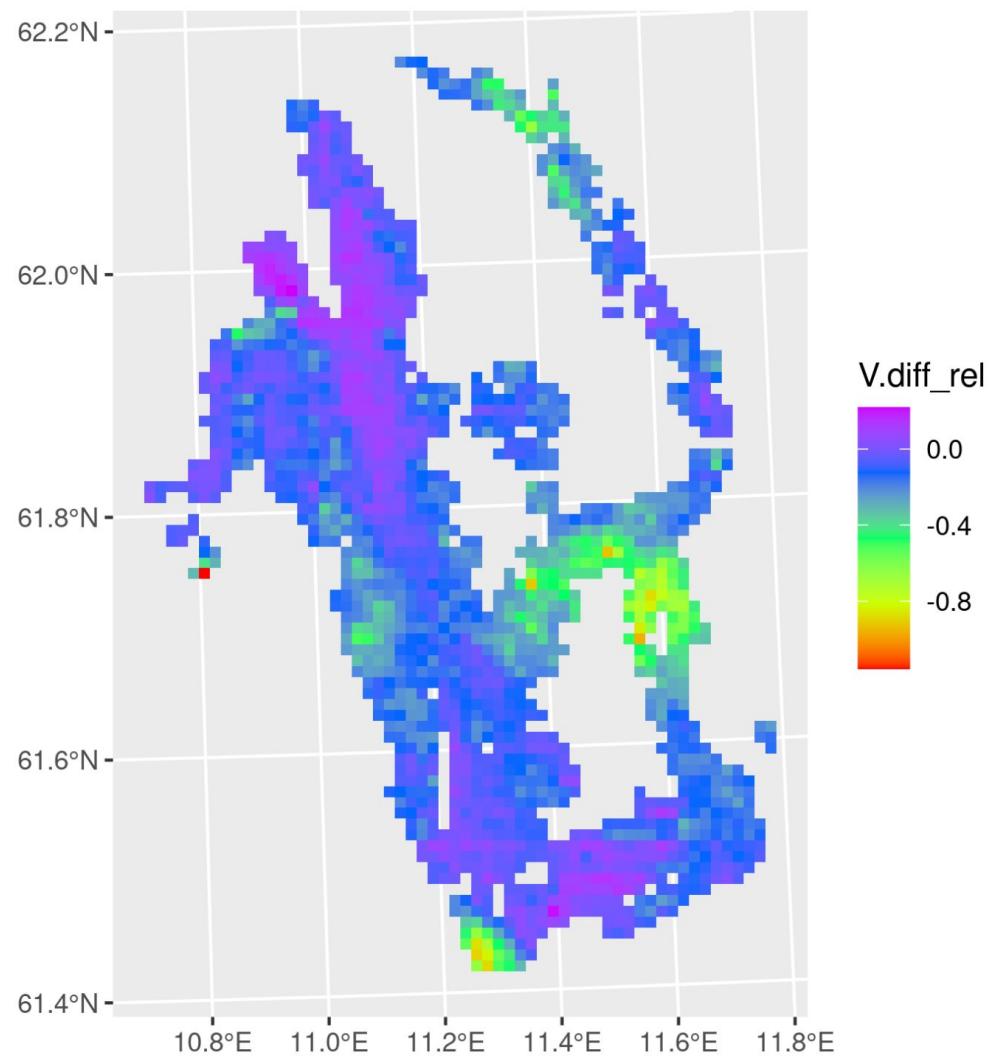
Parameter	Fordel	Hvorfor
Flyplanlegging	Bildematching (DAP)	Striper / mye overlapp
Tid / areal	Bildematching (DAP)	Fly høyere og raskere
Flyforhold	ALS	Flere flytimer
Effektivitet	ALS	Rask prosessering ?
Produkt	ALS	Penetrering av vegetasjon
Oppløsning	Bildematching (DAP)	Høyere punkttetthet
<b>Nøyaktighet</b>	<b>Begge</b>	<b>Samme</b>
Pris for dataene	Bildematching (DAP)	Fly høyere og raskere
<b>Takstkostnad</b>	<b>Begge</b>	<b>Takstkostnad vs. feil</b>



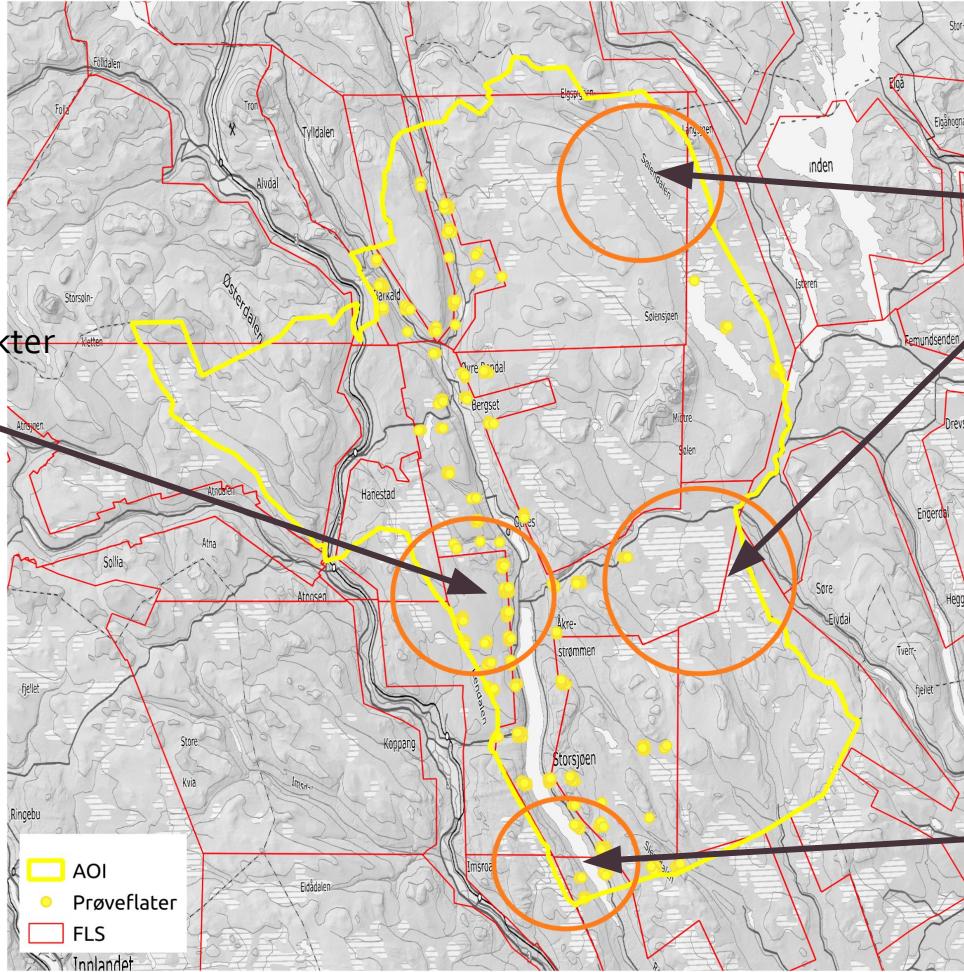
# Skogegenskaper, eksempel volum (ALS - DAP)



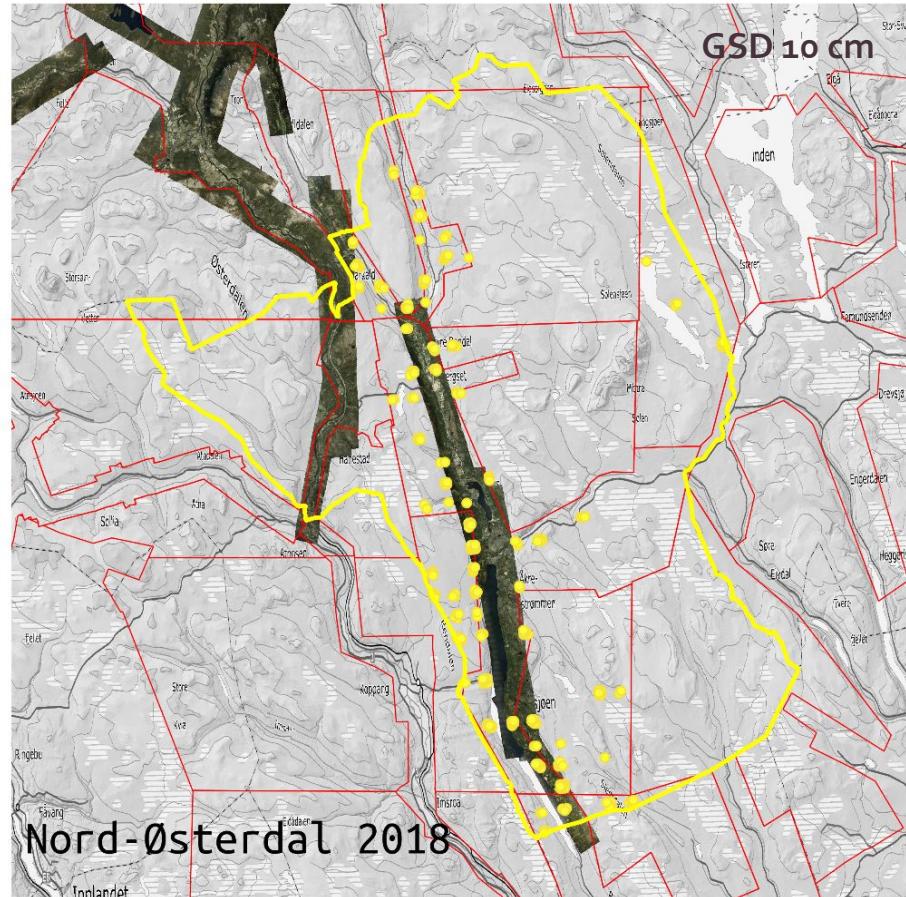
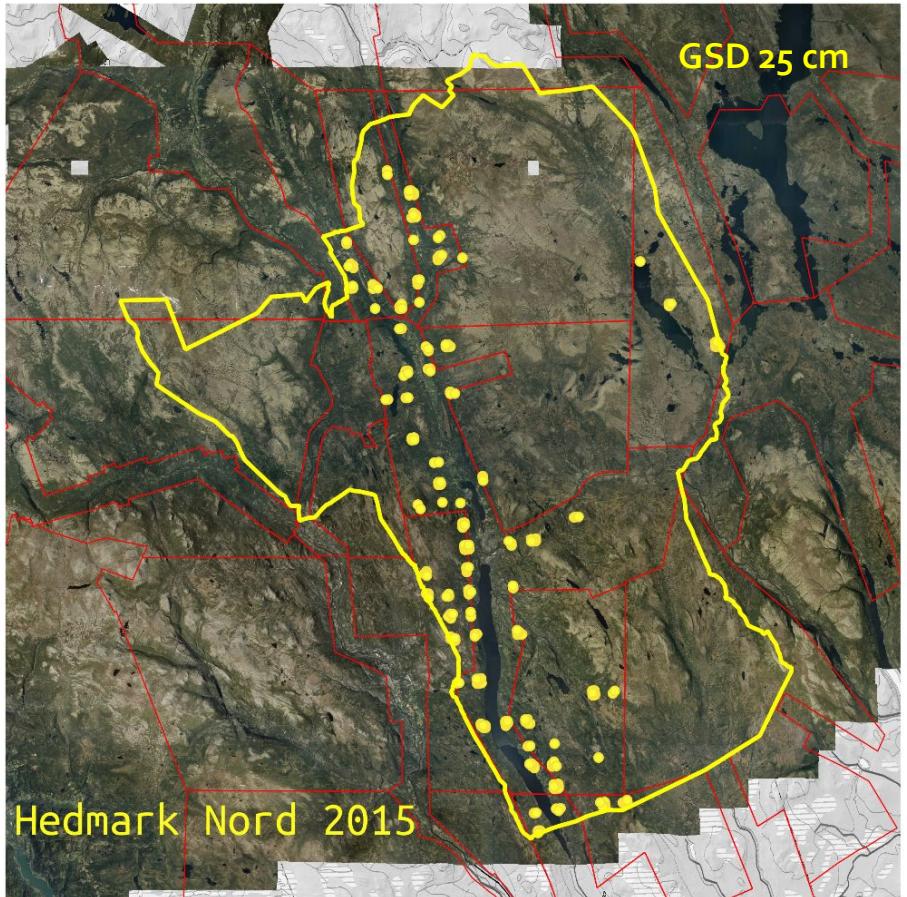
Overestimering ved bruk av  
DAP ved lave bestandsverdier  
fra ALS?

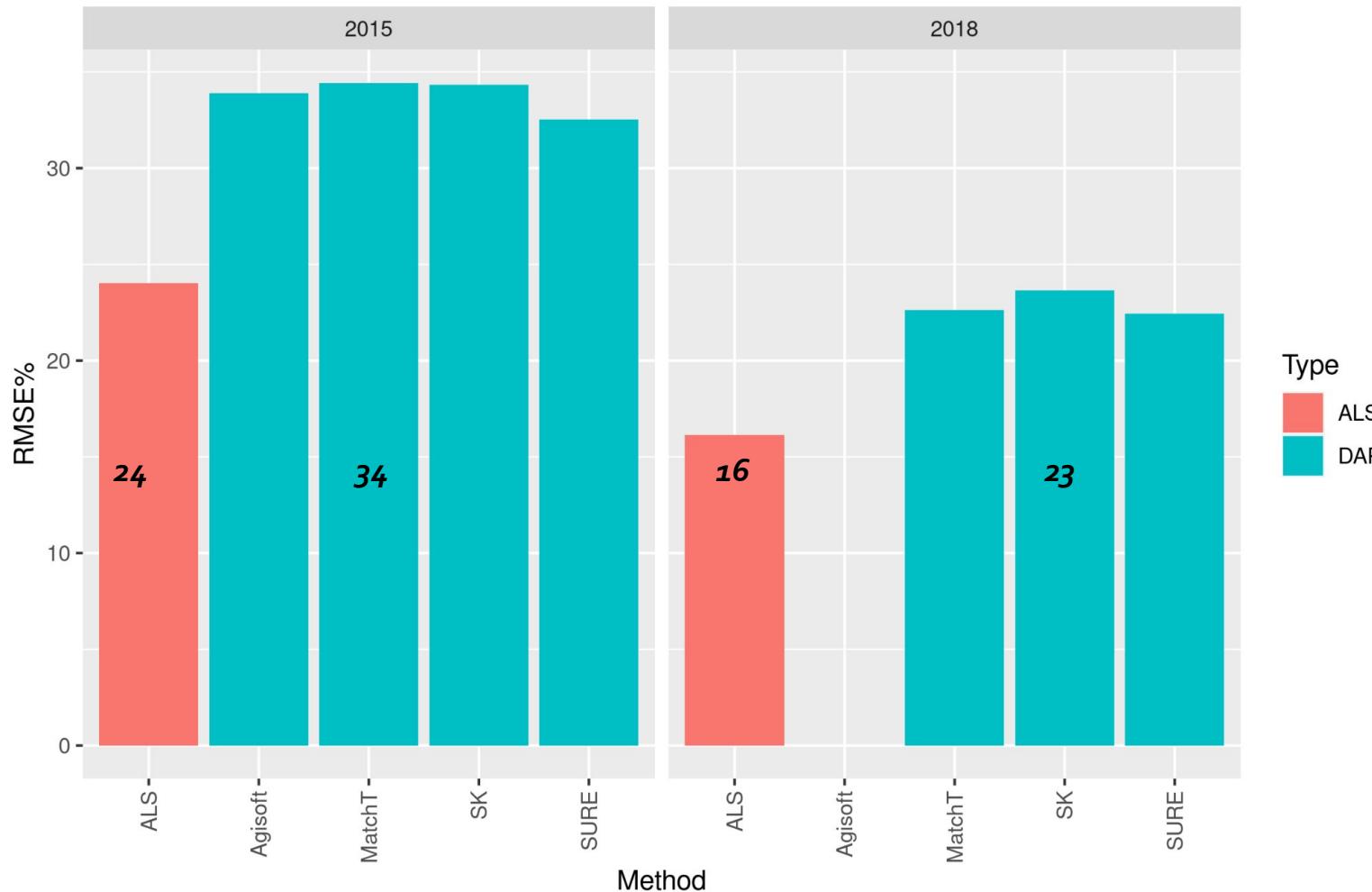


- Overlapp ALS prosjekter
- Overlapp bildedata

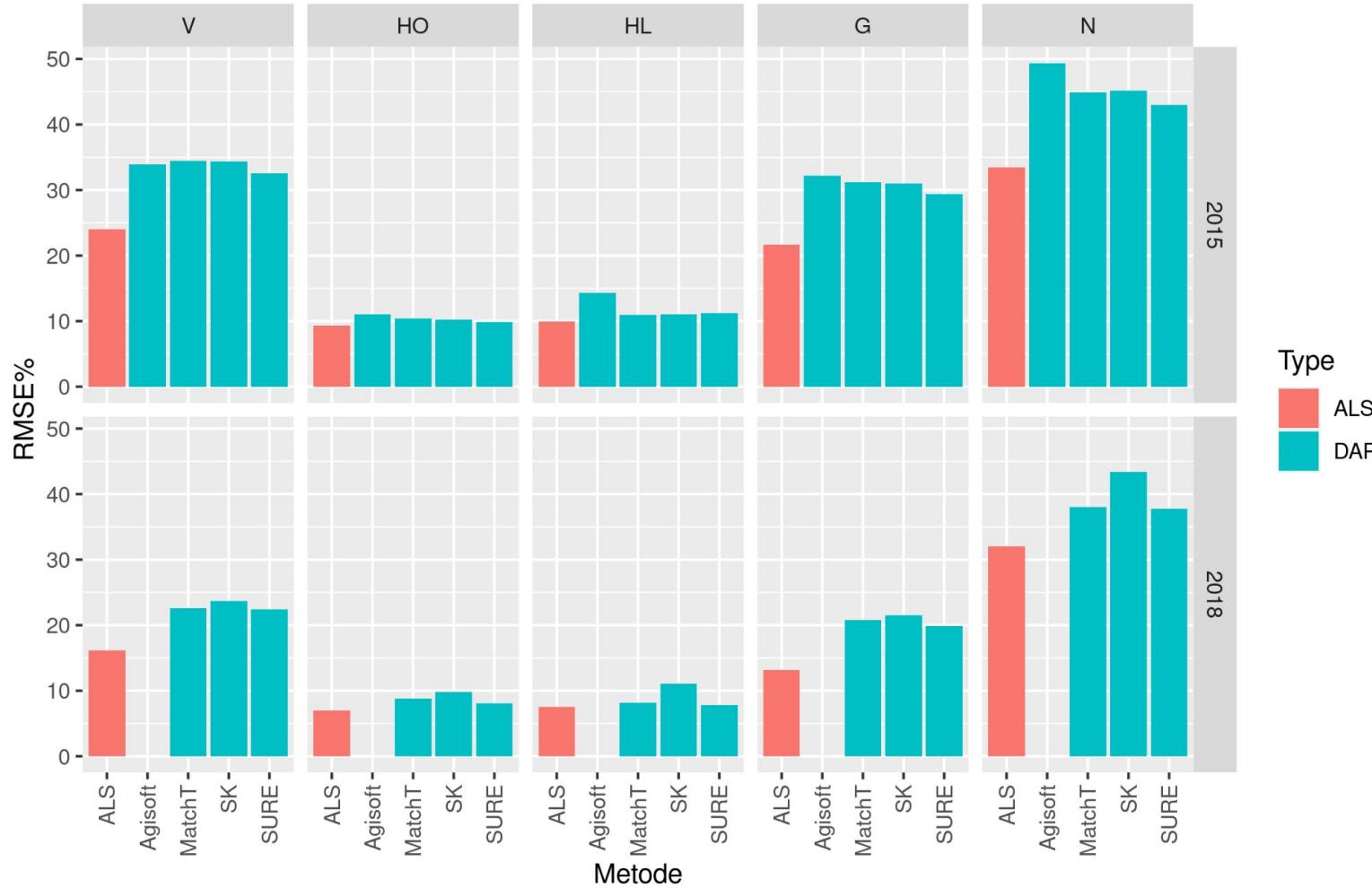


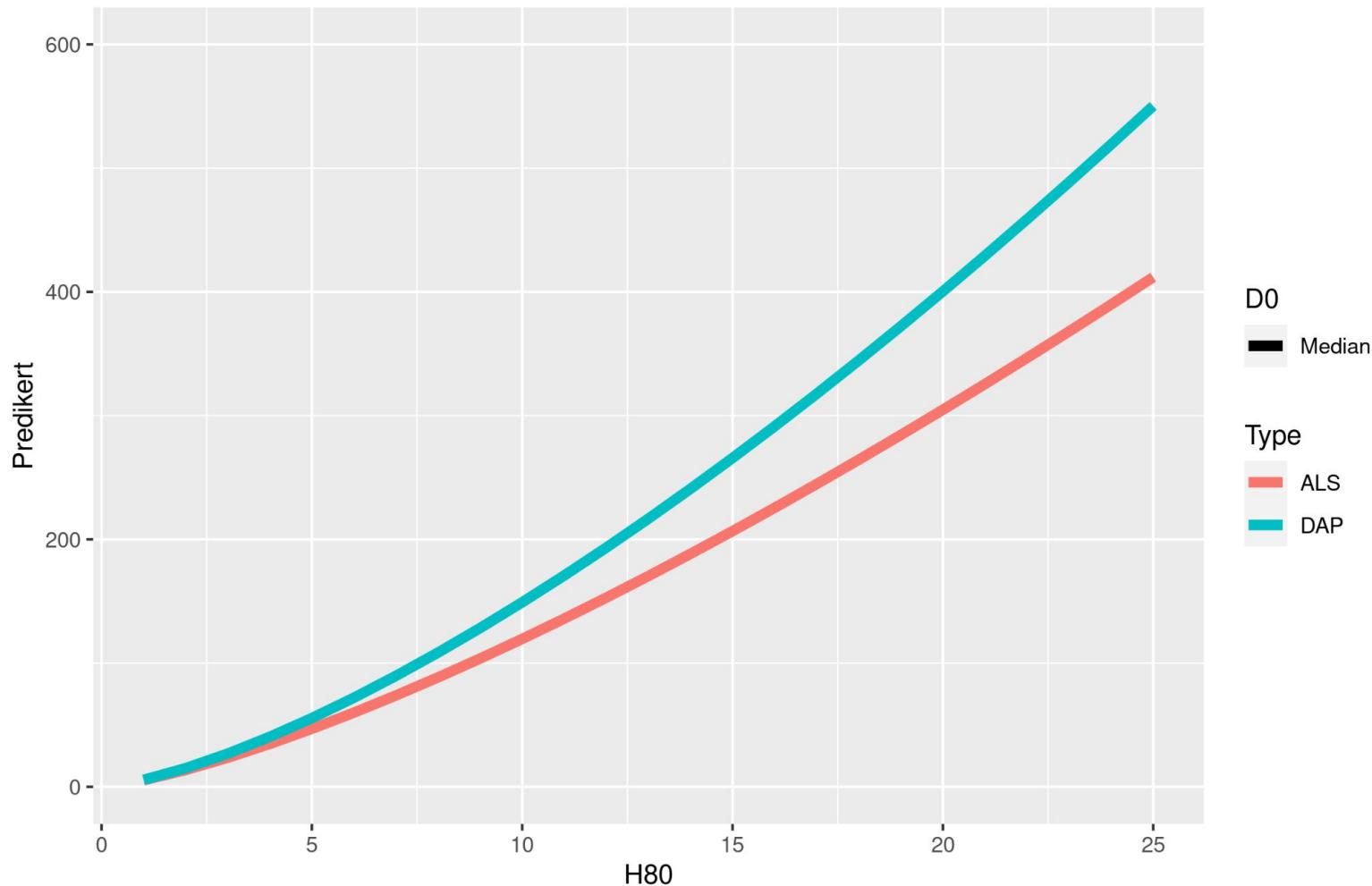
- Få prøveflater  
Glissen og spesiell skog?
- ??? Bratt??

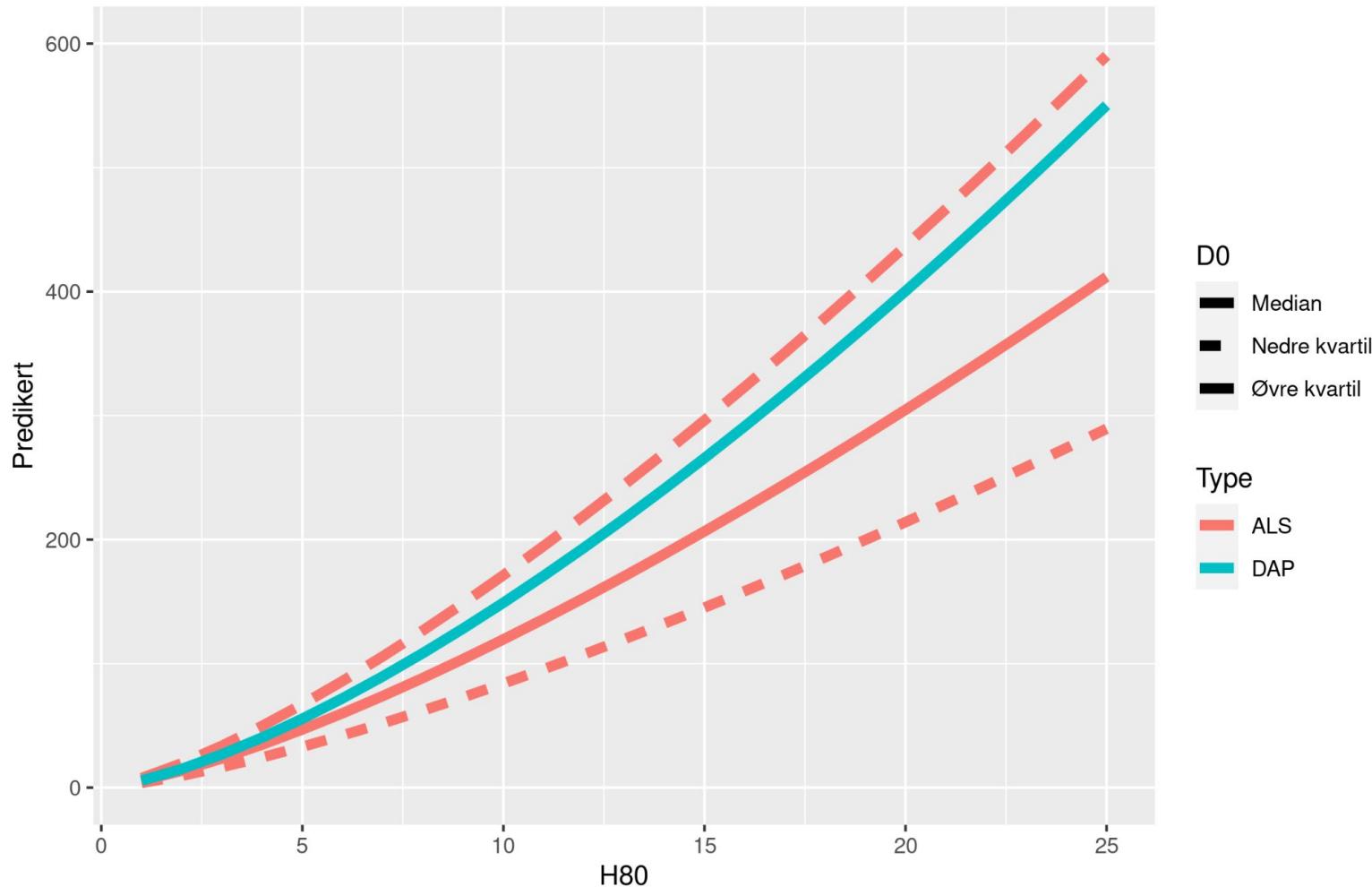




Type  
ALS  
DAP







## Foreløpig konklusjon

- Bildematching fungerer i Rendalen akkurat som etter “læreboka”!
- Det er geografiske forskjeller mellom DAP og ALS.
- Videre arbeid:
  - Stratifisere modellene
  - Inkludere en eller to andre matchingsprogram (Pix4D, OpenDroneMap)
  - Er de geografiske forskjellene mellom DAP og ALS systematiske over alle matchingsprogrammer

