

Droner og satellitter i arktisk geologi

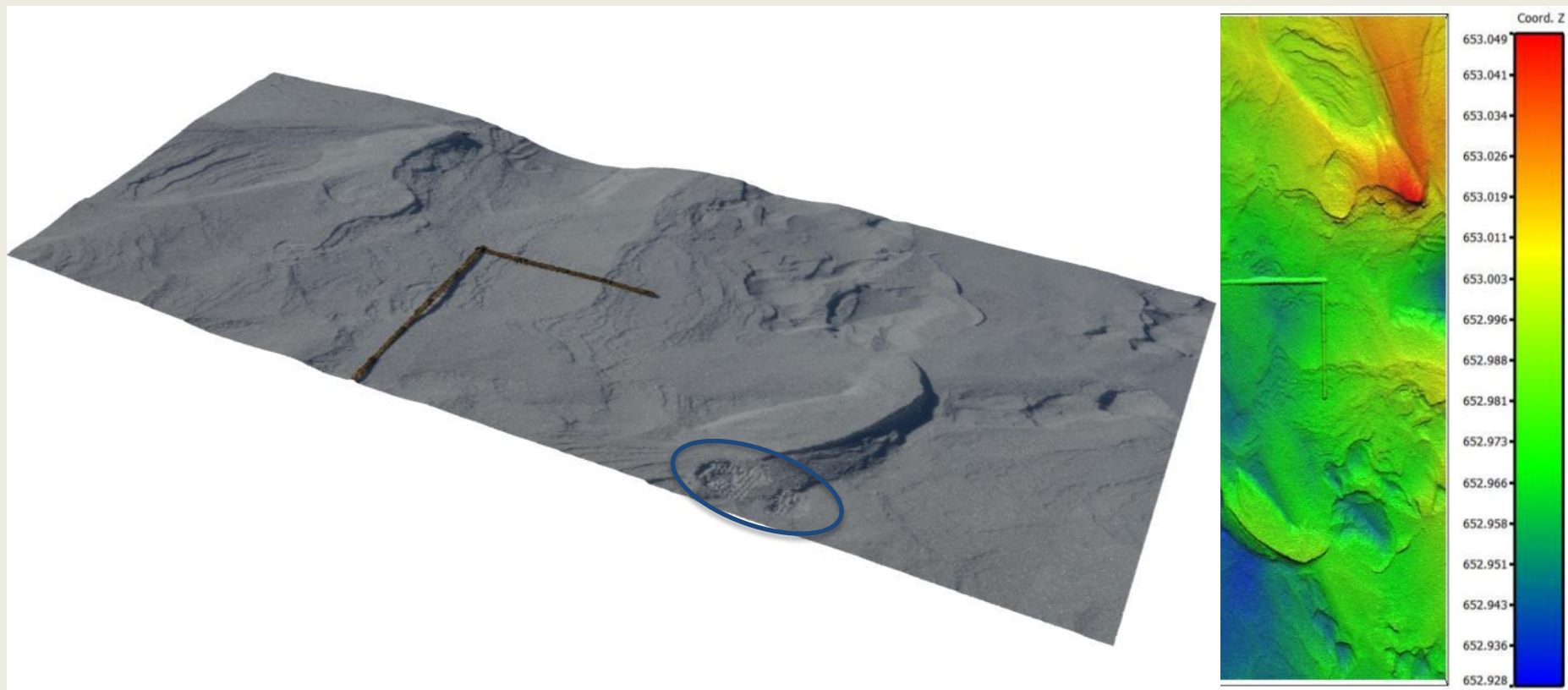
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Energi-, Forsynings- og Klimaministeriet

Geologi

- Læren om jordens fysiske struktur, f.eks. om de forskellige jordlag, jordens aktivitet f.eks. om vulkaner og jordskælv, og om jordens historie, f.eks. om de forskellige istider og om hvordan de ændrede landskabet (Wikipedia).

Skala – lokalt eller regionalt?

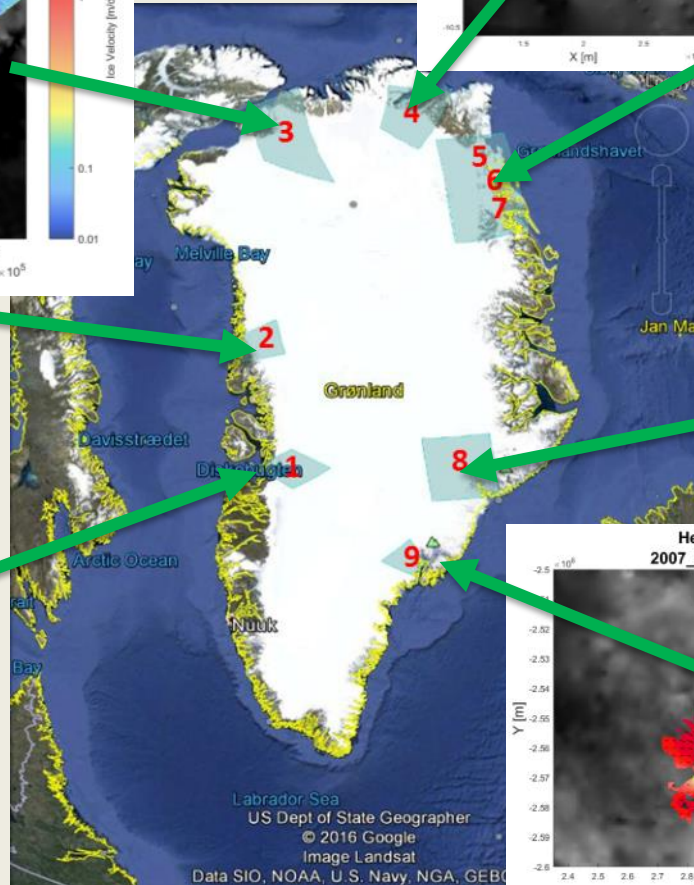
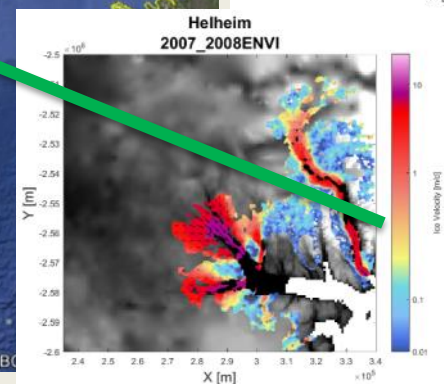
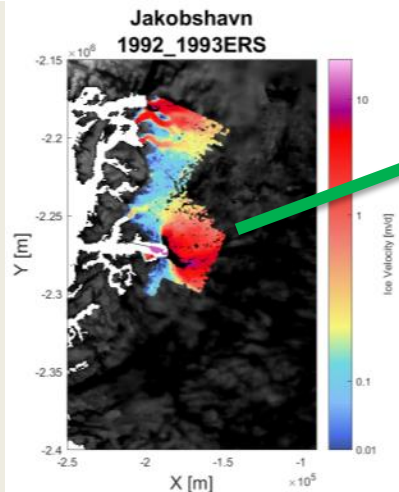
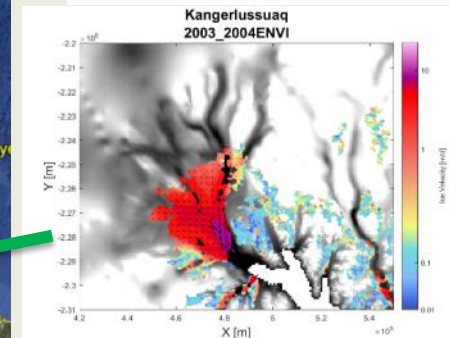
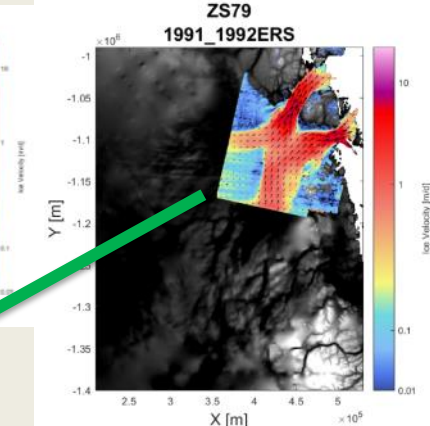
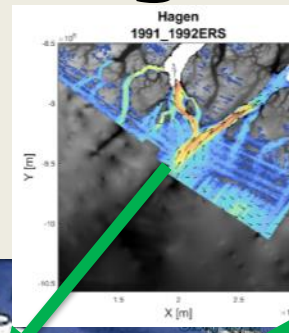
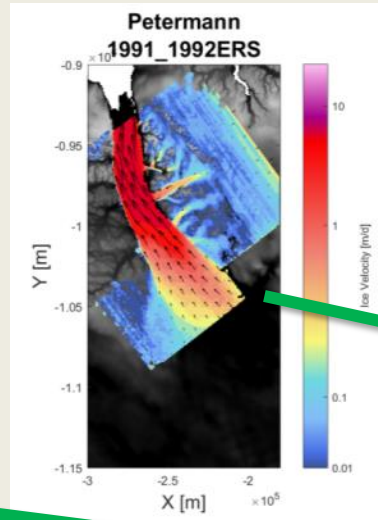
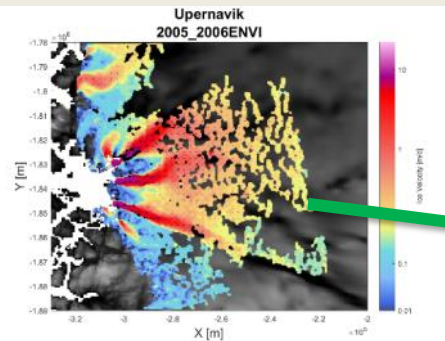


Skala – lokalt eller regionalt?

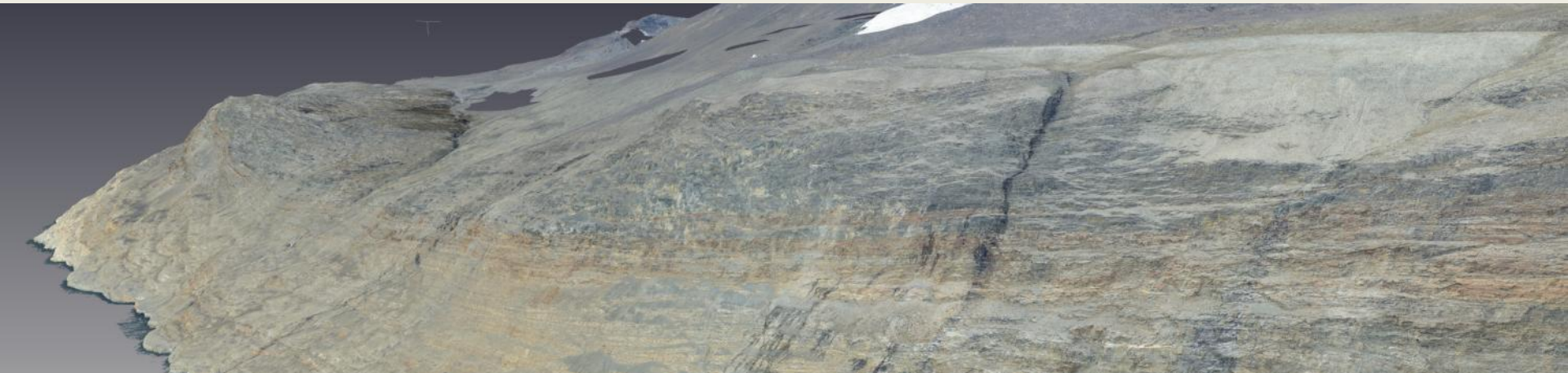
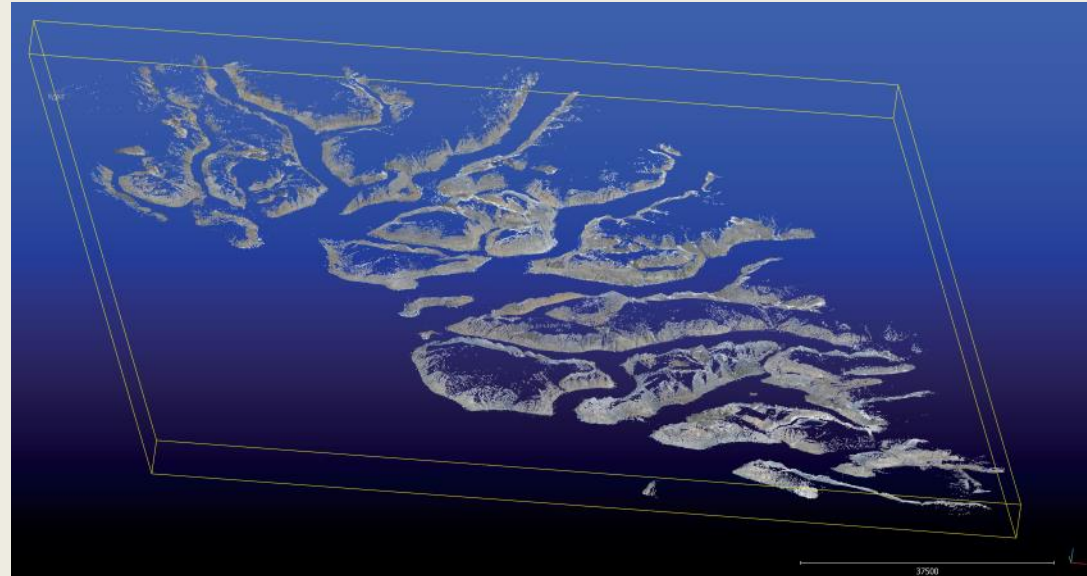
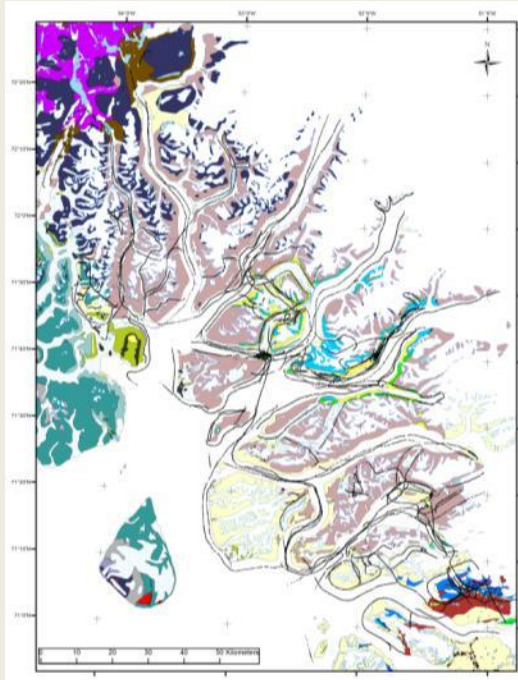


Skala – lokalt eller regionalt?

EO Input:
ERS-1/2,
ENVISAT



Karrat projektet – regional dataindsamling

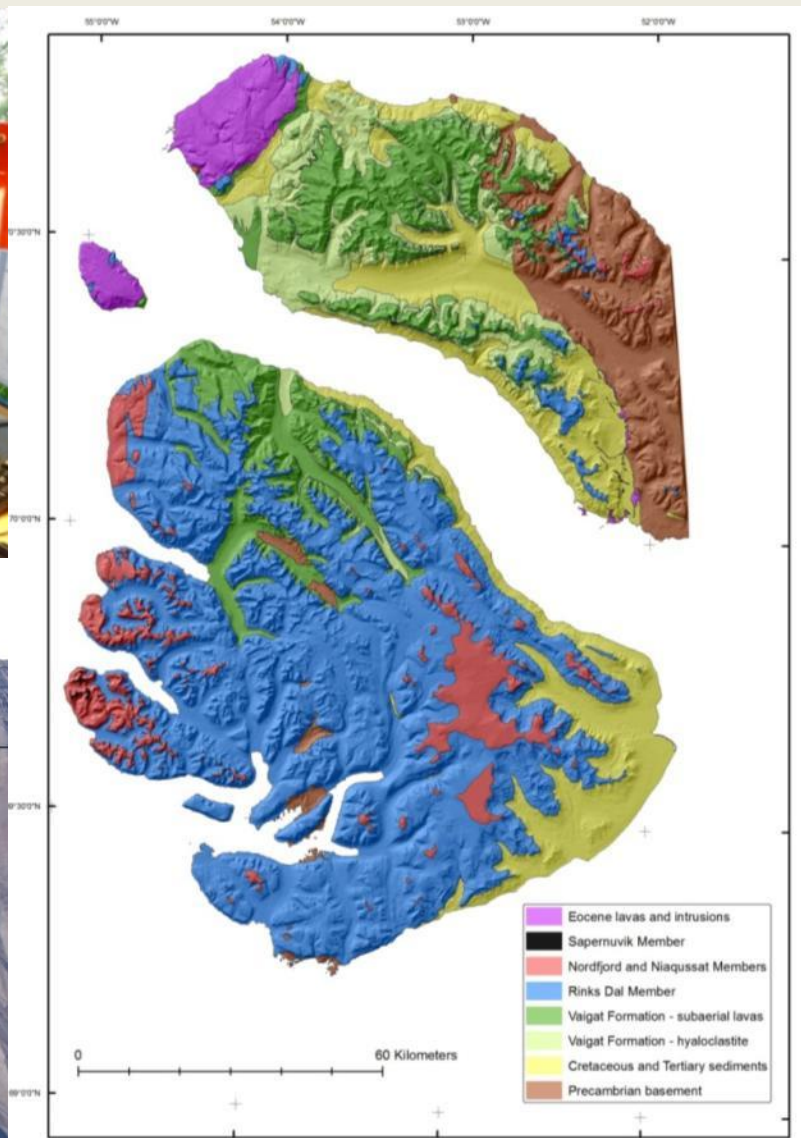
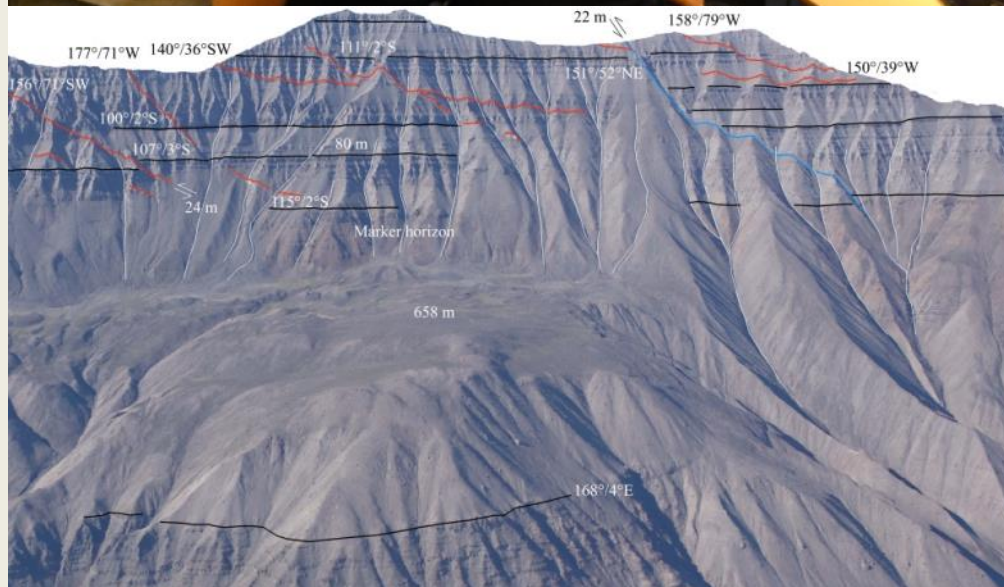


Operationel platform





3D geologisk kortlægning (Visuel)



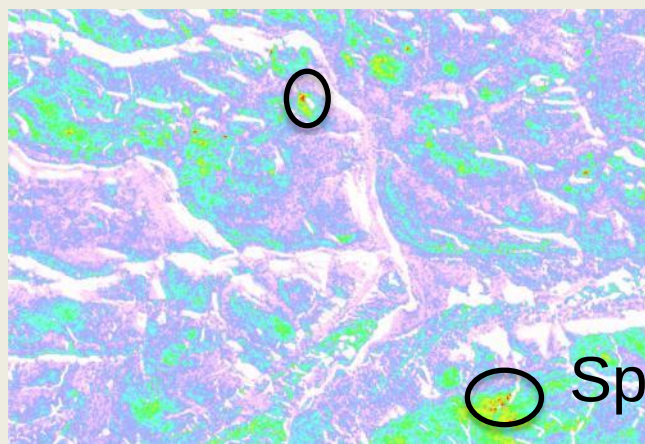
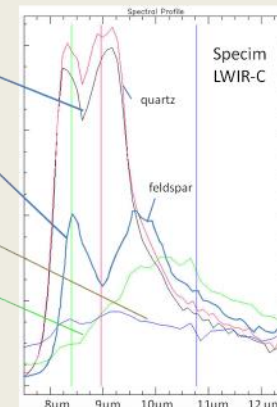
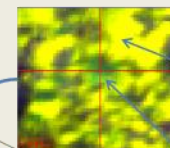
Multispektral kortlægning (Aster)



RGB image

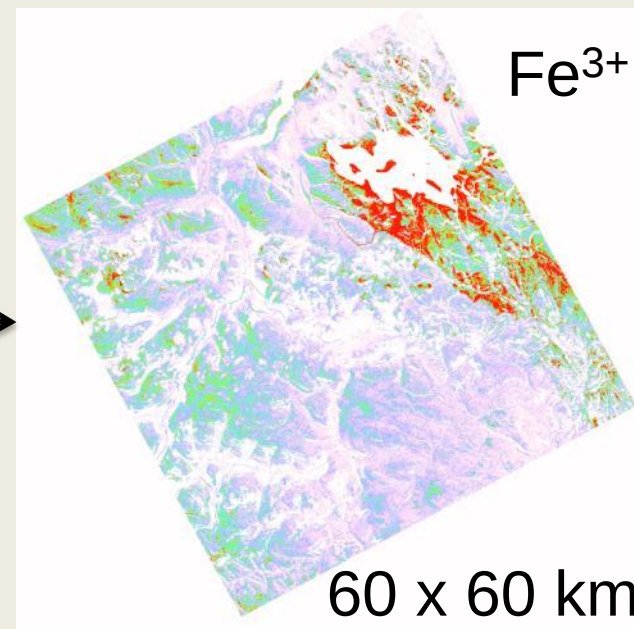


LWIR image



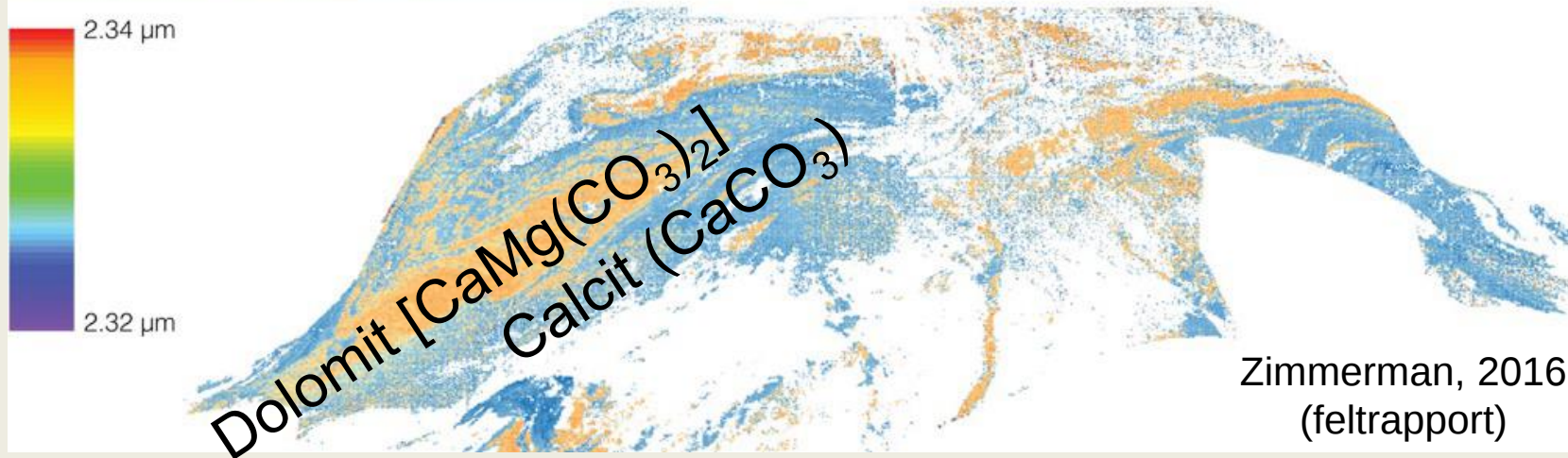
Sphalerit (Zn) ?

24 x 16 km



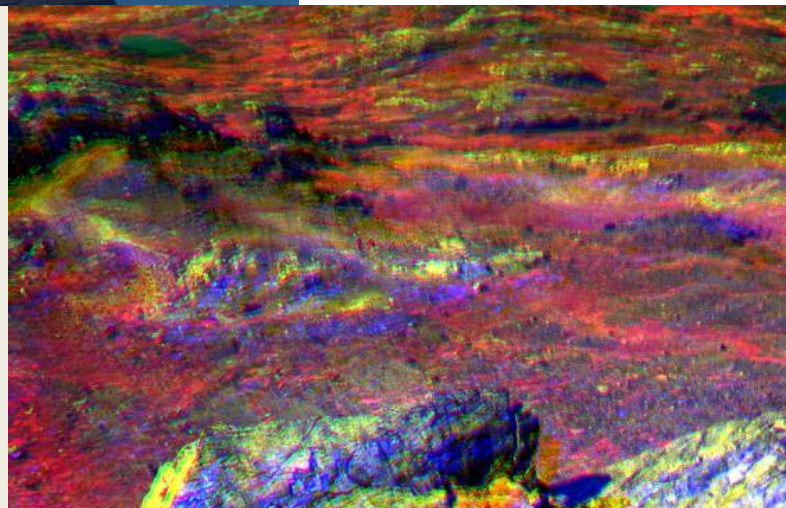
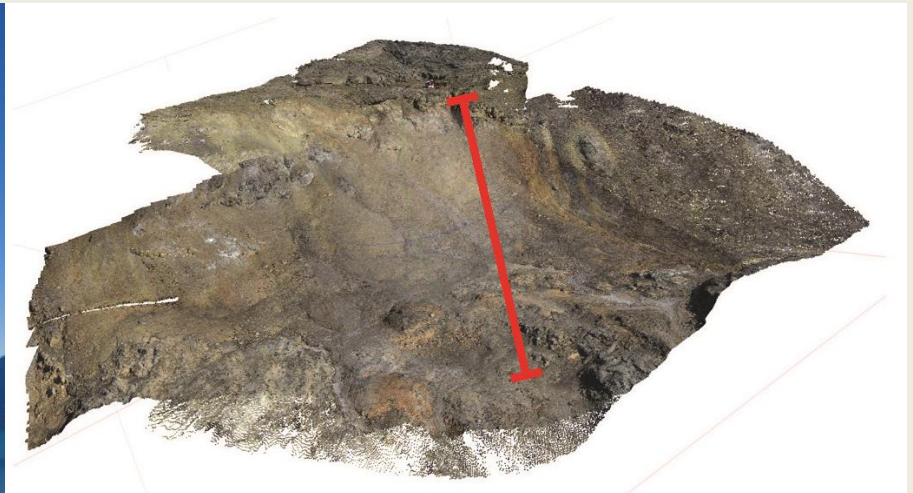
Hyperspektral kortlægning

“Hvor er Zn?”



Zimmerman, 2016
(feltrapport)

Næste skridt - hyperspektral kortlægning med drone



Zimmerman, 2016
(feltrapport)

Ønsker!

- Bedre batteritid – (mindre temperatur følsomhed)
- Mindre restriktiv lovgivning for ikke befolkede egne