

Anvendelse af droner og satellitter i polaregnene

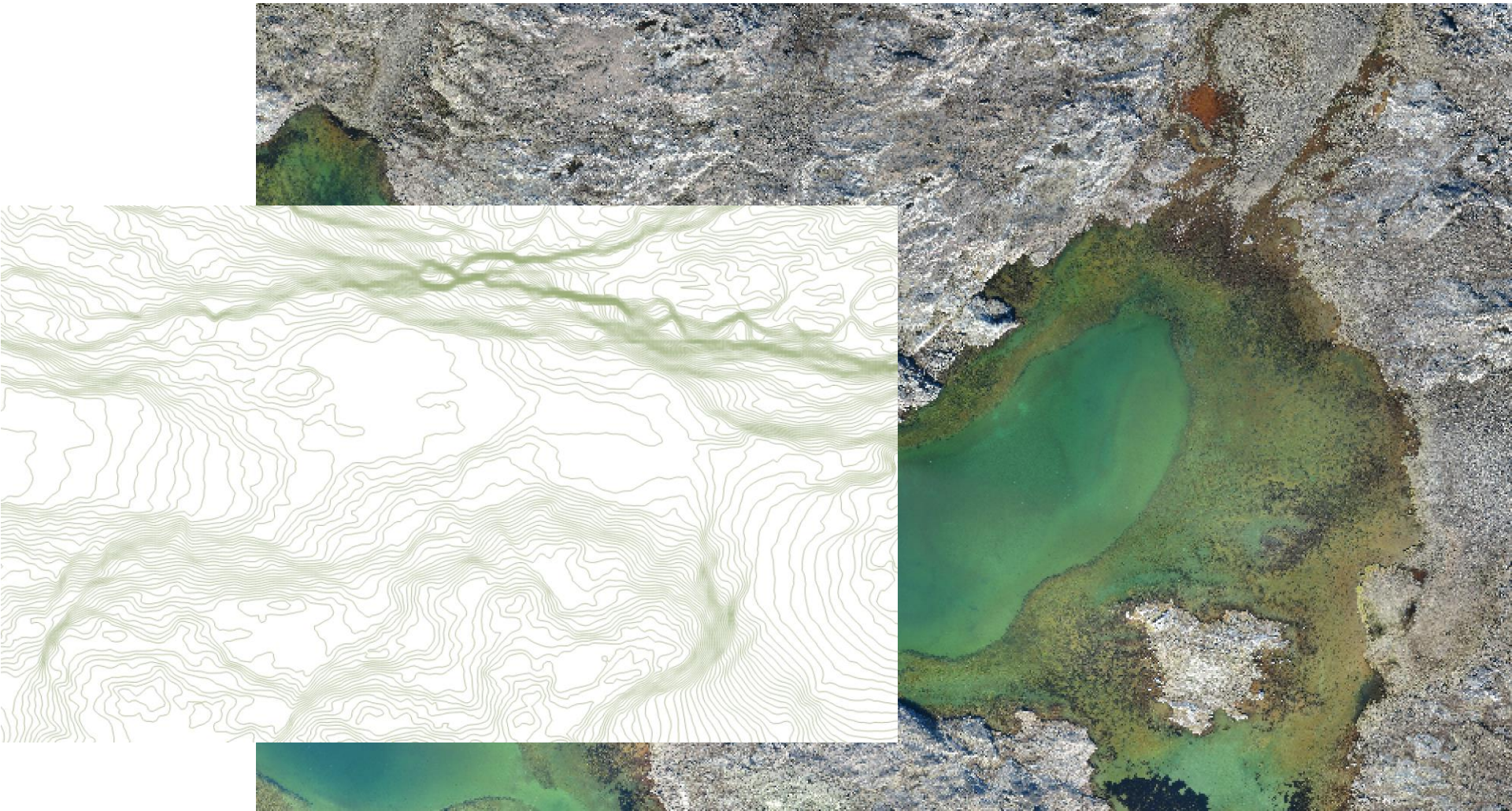
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Asiaq, Greenland Survey



Ajourføring af grundkort



Opmåling af drikkevands- oplande



Findes der aktive rock glaciers så sydligt som i Godthåbsfjorden?

- **Permafrost features, abundant in mountainous regions. Focus in Greenland has been in Disko bay and Zackenberg**
- **Indicators of both past and present conditions**
- **An understanding of distribution and dynamics can play a role in helping to prepare society for expected changes**

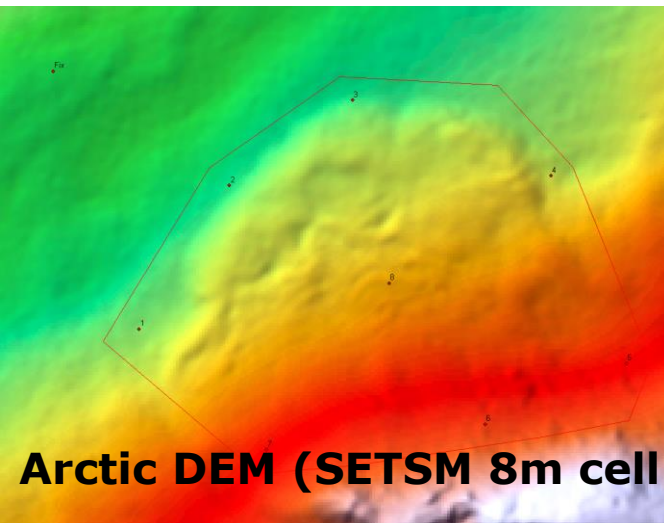




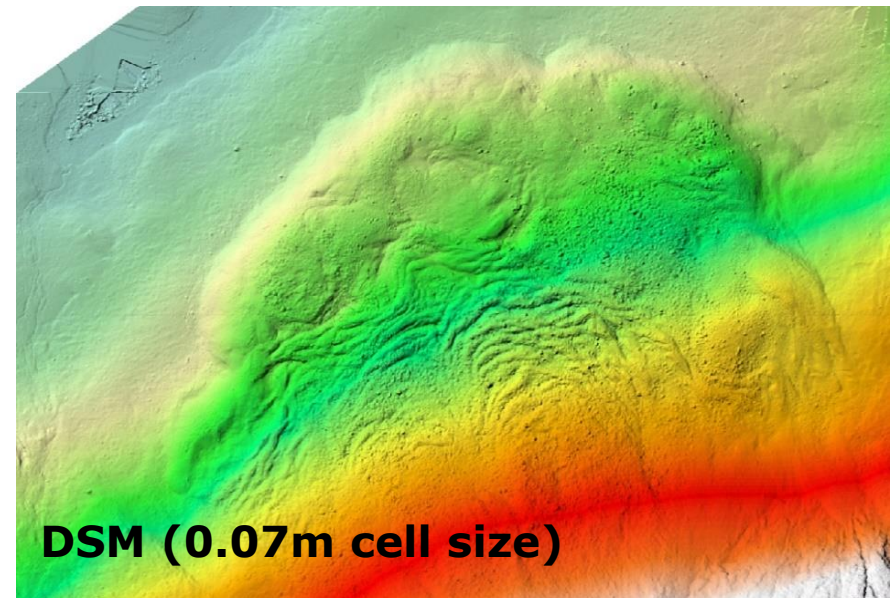
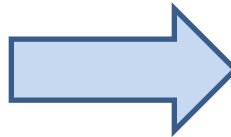
Control points Drone flight



**Temperature
sensor**



Arctic DEM (SETSM 8m cell size)



DSM (0.07m cell size)

2016 results...



2017, experiment continued:

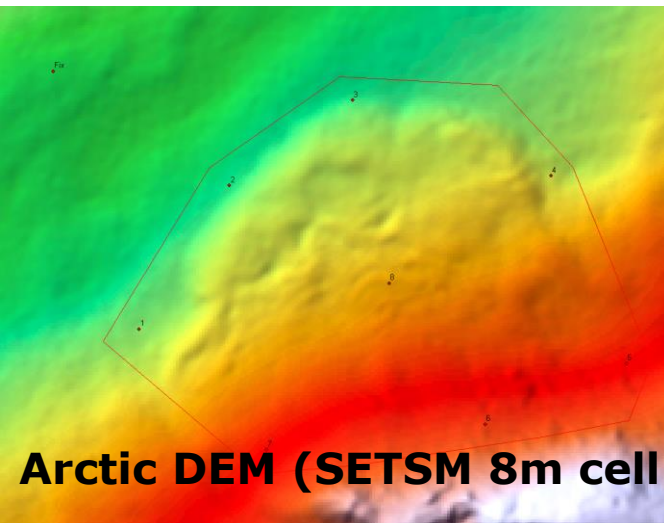
Control points Drone flight



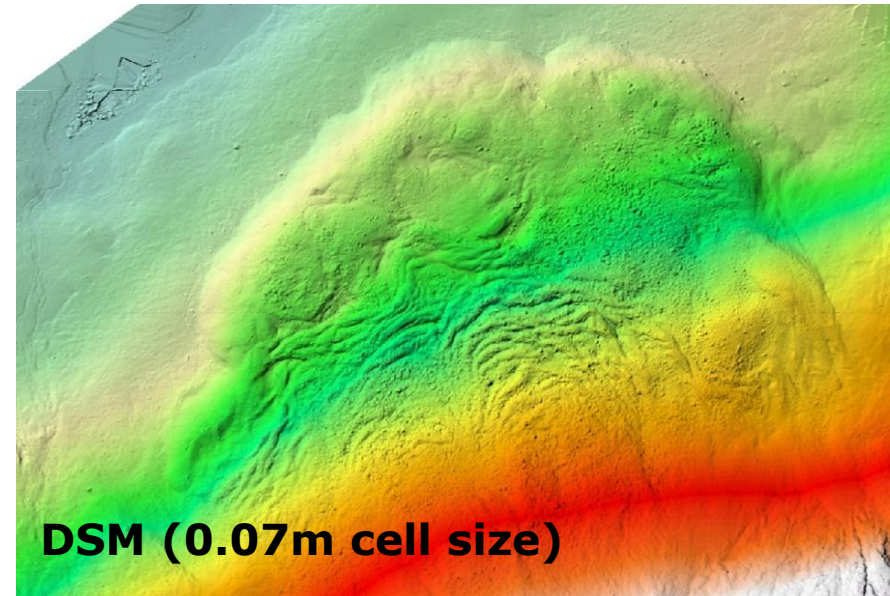
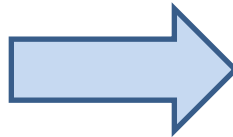
- Bottom snow temperature
- Temperature time series
- Repeat drone flight

=> determine current conditions and detect any movement of the rock glacier

Temperature sensor



Arctic DEM (SETSM 8m cell size)



DSM (0.07m cell size)



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