

UNIVERSITY OF GOTHENBURG

Multitemporal UAV LiDAR detects seasonal heave and subsidence on palsas Cas Renette, Heather Reese

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Hei

Most of the palsa was snow-free in April, so we **compare the ground surfaces** directly



Correct the GPS data

云、Classify ground points



Create 0.10 m DTMs



June and July

We can follow the progression of lateral degradation on a seasonal scale, which was not limited to the summer months.

Ongoing follow-up work

Annual UAV LiDAR flights

- Monitoring of ground temperatures and ALT
- Geophysics of the palsas' interior
- Core sampling of the entire palsa

FORMAS



