Project acronym: TRANSGREEN

Project title: Transect studies between warm Svalbard and cold North Greenland - comparing permafrost and landscape dynamics across the largest climatic gradient in the High Arctic

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Discipline: Earth Sciences & Environment

Station(s): Villum Research Station (Greenland)

We aim to start comparison studies between warm Svalbard (where we live and perform research) and cold northern Greenland at the Villum Research station to study the permafrost thermal regimes and active layer dynamics in the same types of landforms in both areas, and focus on their meteorological, geomorphological and geological controls. We also aim to study the detailed landscape formation by doing geomorphological and sedimentological studies of the area from the Villum Research Station and to the sea west and north of the station and to the glacier east and south of the station. The specific aims for the field season were to map Weichselian and Holocene landforms, with special focus on permafrost landforms, and secondly to inspect and offload data from permafrost boreholes.