



**Project acronym:** MArS

**Project title:** Mapping of Arctic Slopes in Changing Climate

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**Discipline:** Earth Sciences & Environment: Other - Earth Sciences

**Station(s):** Polish Polar Station, Hornsund (Svalbard/Poland)

Mountain slopes are open dynamic systems. In the Arctic they are rapidly evolving thanks to climate change (increased rainfall and temperatures, permafrost thawing). As a consequence, many slopes became unstable with the evolution of shallow landslides, slushflows, rock falls or even deep-seated landslides. This project aims at mapping active and past processes in the area of Hornsund fjord in order to better understand the dynamics of slope processes in the Arctic, which is often a disregarded phenomenon.