## Pleiades and paraglacial dynamic in Arctic: the central Lovèn glacier and proglacial area (Spitsbergen, 79 ° N)

Interpolation from digitized mak

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In the Arctic the impact of contemporary global warming accelerates the melting of glaciers since the end of the Little Ice Age (LIA). Alongside great glaciers and ice caps that give the key trends and regional rhythms of contemporary dynamics it is interesting to focus the research on small systems foothills. These provide information on the dynamics paraglacial who help shape the landscape while the glacier is no longer while releasing surfaces for gas exchange with the atmosphere - especially soil organic carbon - previously blocked by ice. Proglacial areas are so privileged place where spend most of the dynamics, while runoff is increasing because of the melting and remobilised chaotic shapes of glacial deposits, vegetation - if scattered is it - tends to contrary to stabilize the substrate while providing a diversity that is not found in the oldest areas equilibrium, such as the open tundra installed since the last major glaciation of the Weichselian (110,000 – 10,000 years) at the beginning Holocene.

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