

ES15: Advances in cold regions geomorphology

Convener(s): Scott F. Lamoureux¹ and Philip P. Bonnaventure²

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Session description: This session seeks to bring together researchers working in cold regions, including polar and mountain settings. Topics will include but are not limited to studies in geomorphic domains including: periglacial, glacial, slope processes and dynamics, as well as fluvial and coastal processes and landforms. In particular research related to interactions with surface and subsurface hydrology, microclimate and vegetation in cold environments will be welcome. Studies can also include topics focusing on geomorphic modelling of both process and distribution or on the use of remote sensing for change detection analysis. Given recent climate change experienced in many cold regions, the geomorphic response of these landscapes and approaches to quantifying process rate changes is especially relevant.

Primary session affiliation: Earth Surface Processes and Quaternary Science
