Category

EN Environment

Session Number

EN-1

Session Title

Environmental and community challenges in rapidly changing polar coastal zones

Session Description

Polar coastal zone is characterized by a complex interplay between among marine, terrestrial, and atmospheric phenomena. It is also probably the most dynamic component of the polar landscape where rapid changes affect human habitation and activities. For instance, majority of Arctic communities are located in coastal settings and depend on the state of coastal system. Climate change also brings natural resources into focus of governments, and industry. Management of exploration and potential exploitation of natural resources is a main challenge within the next decades. Present-day polar coasts are exposed to a range of hazards associated with warming of climate. Therefore, further development of Polar Regions is strongly dependent on our understanding of coastal responses to rapid environmental changes.

We encourage submission of contributions highlighting aspects of polar (Arctic and Antarctic) coastal zone changes, environmental exploration and exploitation of coastal resources and its potential environmental impact from all disciplines, including geomorphology, marine geology, economy and social sciences.

Our objective will be to raise and discuss various aspects of coastal change and its impact on the resilience of the polar environment and society.

Keywords: coastal change, environmental hazards, human impact, natural resources, Arctic, Antarctic

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