

## **CGU\_B\_05: Cold Regions Biogeochemistry**

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### **Session Description**

Terrestrial, aquatic and marine environments of northern regions are increasingly subjected to stresses from climate change and human development. The resulting biogeochemical cycle responses can have important impacts on northern ecosystems and communities. This session solicits presentations on field and model-based studies that aim to improve current understanding of cold regions biogeochemistry and/or the impacts of climatic, hydrospheric and cryospheric change on carbon, nutrient or contaminant cycling in northern freshwater, terrestrial or marine ecosystems. Contributions representing any spatial or temporal scale of analysis are welcome, from either cold circumpolar or high elevation regions. Studies aimed at improving quantification of ecosystem-scale biogeochemical fluxes (e.g. boundary layer exchanges, terrestrial-aquatic or terrestrial-marine export) and their sensitivity to climate change or other forms of disturbance are also encouraged.

**Primary Affiliation:** Canadian Geophysical Union - Biogeosciences

**Join Session Submission:** Canadian Society for Agricultural and Forest Meteorology