

Please consider submitting an abstract for AGU-2023 session “**The Resilience and Vulnerability of Arctic and Boreal Ecosystems to Climate Change**”. The session deadline is **August 2<sup>nd</sup>, 2023**.

**We welcome abstracts from anyone using in situ, airborne, and satellite remote sensing observations, and models, or some combination thereof, to conceptualize, detect, predict or forecast the changing function of this region in the earth system.**

**Session:** B083. The Resilience and Vulnerability of Arctic and Boreal Ecosystems to Climate Change

**Session Description:**

Climate change is unfolding faster in the high northern latitudes than anywhere else on Earth. These changes are impacting ecological processes directly, through warmer temperatures and changing precipitation, and indirectly, through increasing frequency of climate-driven disturbances such as wildfire, outbreaks of pests and pathogens, and permafrost thaw. Although some ecosystems are resistant or resilient to these changes, many are shifting to new states, altering the function of the Arctic-boreal region. This session invites contributions in terrestrial ecology and carbon cycle science that provide conceptual, regional, or global insights into the resilience and vulnerability of the Arctic-boreal region, including its wildlife and ecosystem services, to changing climate. Contributions may address any geographic area of this region. We welcome studies that use in situ, airborne, and satellite remote sensing observations, and models, or some combination thereof, to conceptualize, detect, predict or forecast the changing function of this region in the earth system.

[Submit an Abstract to this Session](#)

**On behalf of the Conveners**

Elizabeth Hoy (NASA Goddard Space Flight Center/GST, Inc.)

Abhishek Chatterjee (Jet Propulsion Laboratory)

Nancy H F French (Michigan Tech Research Institute)

Michelle C Mack (Northern Arizona University)

Jonathan Wang (University of Utah)