

UARctic Thematic Network

CRITICAL ARCTIC STUDIES (CAS)

The thematic network aims at strengthening and promoting multidisciplinary, critical studies of the Arctic and its development in a time of environmental changes.

Partners: University of Lapland (lead), University of Alaska, Fairbanks (vice-lead), University of Copenhagen, University of Cambridge, St. Petersburg Federal University and Ural Federal University

<https://www.uarctic.org/organization/thematic-networks/critical-arctic-studies/>

Examples of ongoing projects in Arctic GLOBAL change research group (2021)

AROSS (2019-2024): Arctic Rain on Snow Study

Funded by National Science Foundation

[Overview](#) | [National Snow and Ice Data Center \(nsidc.org\)](https://nsidc.org)

Rain on Snow (ROS) events occur when rain falls onto an existing snowpack and freezes, forming an ice crust that can have severe consequences to wildlife, infrastructure, and communities.

- AIM: To seek for better observe and understand ROS events
- The project team will develop a database of all known rain on snow events across the Arctic since 1979, and incorporate data from surface observations, satellite, and output from modeling.

CHARTER (2020-2024): Drivers and Feedbacks of Changes in Arctic Terrestrial Biodiversity.

Funded by: EU Horizon 2020 - Research and Innovation Framework Programme.

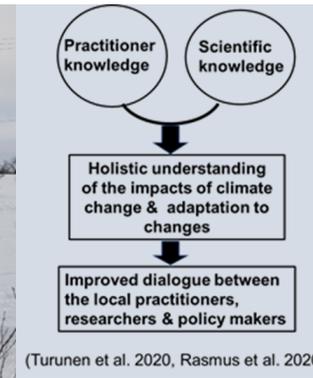
<https://www.charter-arctic.org/> Led by Prof. Bruce Forbes, AC.

- AIM: To advance adaptive capacity of Arctic communities to climatic and biodiversity changes
- State-of-the-Art synthesis of mostly existing datasets from previous projects
- Modelling Arctic change with major socio-economic implications and feedbacks

Interacting Processes in Arctic Reindeer Systems Experiencing Rapid Climate Change (2021-2024)

Coordinated by the University of Oulu, PARTNER: Arctic Centre, University of Lapland

Funded by: KVANTUM



Bermuda to Bear Island (B2BI)

- **What it is:** B2BI is an interdisciplinary research initiative devoted to the North Atlantic and Arctic Oceans. The brainchild of US researcher Robert Correll, B2BI places particular emphasis on the nexus between natural sciences and policy making.
- **What we do:** B2BI is a young initiative and still very much a work in progress, evolving into a tool for transatlantic research cooperation and networking across disciplines. First activities in 2021 included several seminars on issues such as ocean valuation for societies, fisheries expertise inputs, basin scale observation programmes etc. that have already attracted several hundred participants.
- **Who we are:** B2BI brings together researchers from very different fields, albeit with natural sciences remaining dominant. The core team of half a dozen conveners from the US, Norway and Germany and about the a dozen experts from different fields of research from the US, Norway, Germany, Italy and Finland.

● **More information:** www.b2biresearch.com.



Food (in)Security in the Arctic: Contribution of Traditional and Local Food to promote Food Security with Particular Reference to the European High North

The project investigated particularly the role of traditional and local resources to promote food security and food systems of Indigenous and local population of the European High North from an inter-disciplinary perspective. It particularly highlighted concerns for food sovereignty of the Arctic Indigenous peoples. The particular issues addressed are as follows:

- Policies and strategies in place to promote the supply of traditional and local foods
- Climate change and traditional food systems in the Arctic
- Value addition of local food in the local food systems in the European High North and the Arctic
- Consumers' perception of products and their impacts on the local economy
- Vulnerable groups, particularly Indigenous peoples of the Arctic and food insecurity
- Traditional food systems as part of human rights and human security

Research Network consortium project

6 European countries + Canada
20 Scholars from a range of academic disciplines

Coordinator
NIEM/Arctic Centre
University of Lapland
Finland

Duration
10.2020 – 08.2022

Budget
800,000.00 DKK
Funder: Nordic Council of Ministers

