

IRIS 2 Information (Eastern Arctic)

The objective of IRIS 2 is to examine the present and future impacts of climate change on the social, economic and environmental conditions in the Eastern Canadian Arctic. The IRIS 2 team is working closely with ArcticNet scientists, Inuit organizations, local government, industries and other networks to prepare a regional IRIS report that draws on ArcticNet knowledge to inform regional issues.

- Trevor Bell is the designated research leader for the IRIS. He is a Professor of Geography at Memorial University and has spent 25 years investigating environmental changes and human adaptations in the Canadian Arctic and Subarctic. tbell@mun.ca
- Philippe LeBlanc is the research coordinator for the Eastern Arctic IRIS. He organizes and coordinates IRIS 2 activities. Philippe is supported by ArcticNet and is hosted by Memorial University of Newfoundland in St. John's. pleblanc@mun.ca
- Kiah Hachey is the research Advisor for Nunavut. Kiah has valuable experience coordinating and assisting with community-based research and community initiatives. Some of her experience includes working with researchers on various projects, informing the community of research taking place, directly connecting researchers and community members as well as acting as a liaison to relay information between different groups.
- Steering Committee members are helping the IRIS 2 team connect with policy and decision makers at the regional level. We are establishing a representative communication network for information flow between the ArcticNet IRIS initiative and the Eastern Arctic region.

The IRIS 2 team is using a regular newsletter to encourage information exchange between ArcticNet scientists who generate knowledge in the physical, social and health sciences and decision-makers who use scientific knowledge to make choices and inform policy in all sectors of Nunavut society.

IRIS 2 Knowledge exchange

We would like to invite you to be part of our regional network through participation in our newsletter. Don't hesitate to contact us if you have contributions feedback or questions (pleblanc@mun.ca).

- Newsletter #1 - ArcticNet at a glance and ArcticNet in the Eastern Arctic
- Newsletter #2 – ArcticNet knowledge exchange and Eastern Arctic IRIS report
- Newsletter #3 – Regional Priority Issues
- Newsletter #4 – Scientific Priority Issues
- Newsletter #5 – Science for Decision Making

ArcticNet in the Eastern Canadian Arctic

There are 28 current ArcticNet research projects that are directly relevant to the Eastern Canadian Arctic. Together these projects are tracking the present transformation of the

Arctic environment and anticipating the consequences of climate, environmental and societal changes. The scientific information being generated by these projects has relevance for understanding the impacts of a changing environment and can help formulate adaptation strategies.

Each one of these projects will be highlighted in a newsletter format and posted below as they become available. We invite you to browse through these non-technical summaries and to learn about the researchers and their connections in Nunavut.

ArcticNet Research Project Profiles

- Instability of coastal landscapes in Arctic communities and regions (Bell and Forbes)
- Climate change and commercial shipping development in the Arctic (Lasserre)
- Sea Ice of the Arctic (Barber)
- Impact of climate change on the life of the Arctic Ocean floor (Archambault)
- Improving access to university education in the Canadian Arctic (Rodon)
- Past and present changes to the ocean and sea-ice in the Arctic Archipelago (Myers)
- Cape Bounty Arctic Watershed Observatory (CBAWO), Melville Island (Lafrenière, Lamoureux)
- Climate change and food security in regional Inuit centers (Ford)
- Research on Arctic Marine Mammals (Ferguson)
- Inuit Qaujimajatuqangit and the Transformation of High School Education in Nunavut (Walton)
- Effects of Climate Change on Carbon Exchange Dynamics in the Arctic (Papakyriakou)
- The emerging Arctic security environment (Huebert)
- Impacts of climate change for the marine Arctic (Tremblay and Gosselin)
- Community Adaptation in a Changing Arctic (Smit)
- Effects of Climate Change on the Arctic Wildlife (Berteaux and Gauthier)

Eastern Canadian Arctic Profiles

The "Eastern Arctic profile" series goal is to highlight both the relevant organizations, and/or individuals active in the Eastern Canadian Arctic and the information generated through relevant projects in relation to climate change impacts and adaptations and/or modernization.

- Ittaq Heritage and Research Centre in Clyde River, Nunavut
- Nunavut Coastal Resource Inventory Project
- Social Economy Research Network of Northern Canada (SERNNCA)
- Inuit Sea Ice Use and Occupancy Project (ISIUOP)