



Martin Fortier, Trevor Bell photos / ArcticNet

Science for Decision Making

The last two issues of our *ArcticNet newsletter* covered regional and science priorities in the context of climate change as identified by regional stakeholders and current *ArcticNet* investigators involved in the Eastern Canadian Arctic. This newsletter provides examples of how *ArcticNet* researchers see their scientific knowledge contributing to decision-making.



Sharing knowledge

First, while compiling information to produce our [ArcticNet project profiles](#) we asked researchers to identify how their project may contribute to the process of decision-making in Nunavut, particularly with respect to their priority [science](#) issues. We provide some examples of their responses in section 1 of this newsletter.

Second, in collaboration with The Government of Nunavut Department of Environment (DOE) we are developing a communication plan to ensure any [ArcticNet](#) projects/research ongoing in Nunavut can contribute directly to the Government of Nunavut [Climate Change Centre website \(NC³\)](#) so that information relevant to specific communities can be easily accessed.

1) Knowledge contribution

Describe how the results of your ArcticNet project may contribute to decision-making with respect to important science issues/needs in Nunavut?

- Inform community climate change adaptation planning: constraints on the future development of community lands and potential threats to existing infrastructure (*Trevor Bell, Don Forbes*)
- Voice community concerns to influence decisions and policies that affect Inuit life. Document and describe the nature of food insecurity (*James Ford*)
- Provide information on marine mammal population dynamics and assist co-management practices (*Steven Ferguson*)
- Provide information about sea ice extent, type, trends, and location to anticipate impacts on access to resource, extraction and transportation (*David Barber*)
- Partner with communities to explore past and present examples of development-induced change, and contribute to a better understanding of the issue at stake for communities facing development proposals (*Arn Keeling, John Sandlos*)
- Provide information on commercial shipping to support policy-making on control of shipping traffic: characterizing type of shipping, routes, etc. (*Frederic Lasserre*)
- Provide key monitoring information in support of wildlife and protected area management (*Dominique Berteaux*)



E.g., Coastal Risk management

- Provide information on short and long term impact of climate change on land use and development (e.g. mining) on the land and water to inform environmental protection plan design (*Scott Lamoureux, Melissa Lafreniere*)
- Provide information to help in the planning of future marine conservation areas (potential marine biodiversity “hotspots”) (*Philippe Archambault, Michel Gosselin, Jean-Eric Tremblay*)
- Share findings in support of legislative and policy initiatives in Nunavut related to the implementation of Inuit Qaujimajatuqngit (Inuit social values) at the high school level (*Fiona Walton*)
- Provide information useful to government decision-makers that set priorities for investments in security and safety enhancements in the region (*Rob Huebert*)
- Provide information about carbon cycling in the Arctic to improve forecast models (*Tim Papakyriakou*)
- Partner with ongoing initiatives and help improve access to university education for Inuit students (*Thierry Rodon*)

2) Nunavut Climate Change Centre website (NC³)

The Government of Nunavut Department of Environment (DOE) climate change website has been redeveloped into the 'Nunavut Climate Change Centre':

www.climatechangenunavut.ca

The NC³ is an online climate change resource centre that will provide current climate change information that is relevant to Nunavummiut and others.

The purpose in establishing the NC³ website is to create a larger climate change resource site with a more interactive layout that will be built in collaboration with other organizations, including the Nunavut Research Institute (NRI), NRCan, and non-government and Inuit organizations, including [ArcticNet](#) and NTI.

As there are numerous groups developing tools and community resources for climate change adaptation and research in Nunavut, incorporating all of these resources into one centralized location will better facilitate the sharing and dissemination of climate change knowledge in Nunavut (and reduce duplication).

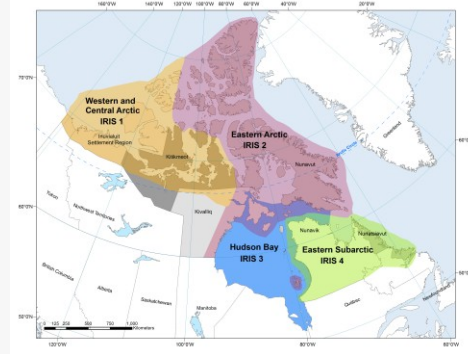
3) ArcticNet and NC³

The IRIS-2 team is working with the Nunavut Government (DOE) to ensure that any relevant [ArcticNet](#) projects/research going on in Nunavut report directly through the NC³ website so that information relevant to specific communities can be easily accessed.

Please contact us if you would like to contribute information to the NC³ website resource.

Eastern Arctic IRIS-2 Online Questionnaire

The survey attempts to understand how ArcticNet-supported research is influencing (or can potentially influence) decision-making in our Eastern Arctic IRIS region. We are asking all ArcticNet researchers, from project leaders to graduate students, to fill out the short survey.



We will use the survey responses to gauge the overall level, mechanisms and amount of interaction between ArcticNet researchers and regional decision makers in our IRIS region.

Online Survey Link:

https://www.surveymonkey.com/s/ArcticNet_IRIS2

For more information on the Eastern Arctic IRIS-2 contact:

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Visit our webpage at:

www.arcticnet.ulaval.ca/research/iris_2_info.php

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Visit NC³ website at:

www.climatechangenunavut.ca

