



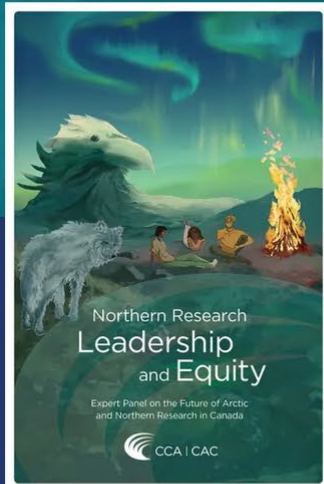
Canada's Report

Presented By:
Jim Drummond
March 2024

DECEMBER 4, 2023

Northern Research Leadership and Equity

The Expert Panel on the Future of Arctic and Northern Research in Canada

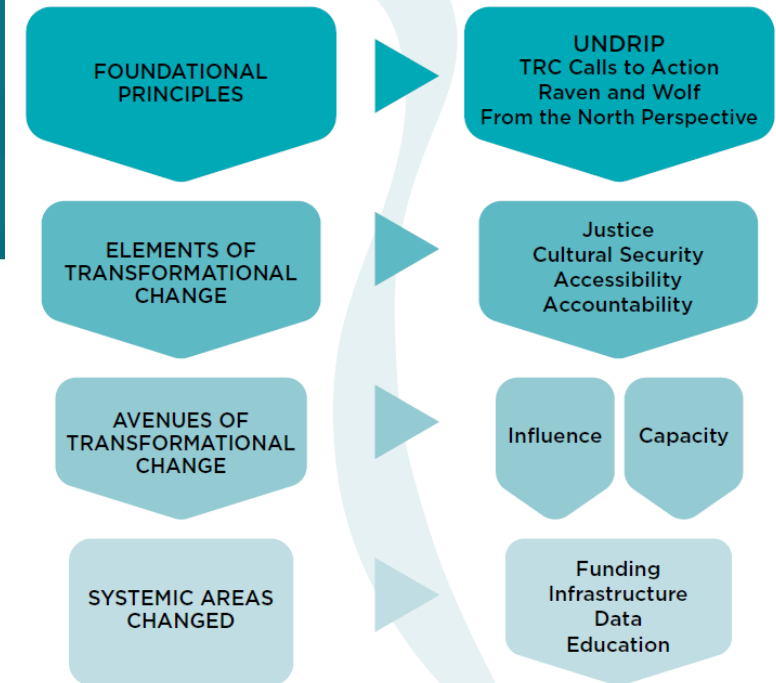


 Complete Report

Summary

The North is home to many peoples—Indigenous and non-Indigenous—yet Arctic and Northern research has long been centred on Southern voices, needs, priorities, and institutions. As a result of longstanding Southern influences, numerous systemic challenges have gone unaddressed and continue to negatively impact Arctic and Northern research in Canada. Through the explicit elevation of Northern perspectives—in particular, Arctic and Northern Indigenous Peoples’ perspectives—the Expert Panel on the Future of Arctic and Northern Research in Canada sought to provide guidance on how to address these complex challenges and create a path forward for transformational change.

CONCEPTUAL FRAMEWORK



An inclusive, collaborative, and effective Arctic and Northern research system



StraightUpNorth.ca

TEAM ▾ PROJECTS ▾ COMMUNITIES ▾ PUBLICATIONS RESEARCH TOOL-KIT NEWS



<https://straightupnorth.ca/research-trends-in-nunavut/>

Banner Photo: Gita Ljubicic

How can research better serve Nunavummiut? Assessing research trends in Nunavut

2019 – 2021

Funded by: SSHRC Partnership Engage Grant

PEOPLE

Project Co-Leads

Gita Ljubicic (McMaster University
and Carleton University)

Jamal Shirley (Nunavut Research
Institute)



The Polar Continental Shelf Program and the Rapid Rise of Northern Research

Report from the Chief Science Advisor on emerging challenges
and opportunities in Arctic and Subarctic scientific activity



Airships over the Arctic: 2 companies are looking into it

By Jorge Antunes, Nunatsiq News - July 26, 2023



Flying Whales is a French company with a subsidiary in Quebec. The company is working with Canadian North to look at possibly using airships in the Arctic. (Photo courtesy of Flying Whales)

PERFORMANCE MONITORING OF THE NUNAVUT ARCTIC COLLEGE PV SYSTEM: NINE YEARS OF RELIABLE ELECTRICITY GENERATION*

Y. Poissant¹, D. Thevenard² and D. Turcotte¹

¹CANMET Energy Technology Centre, Natural Resources Canada, Varennes (Que), Canada

²Numerical Logics Inc., Vancouver (BC), Canada

https://www.nri.nu.ca/sites/default/files/documents/nac_pv_system_performance.pdf

Canada Nunavut Arctic College and Galaxy Broadband Announce Innovative Partnership

June 19, 2023

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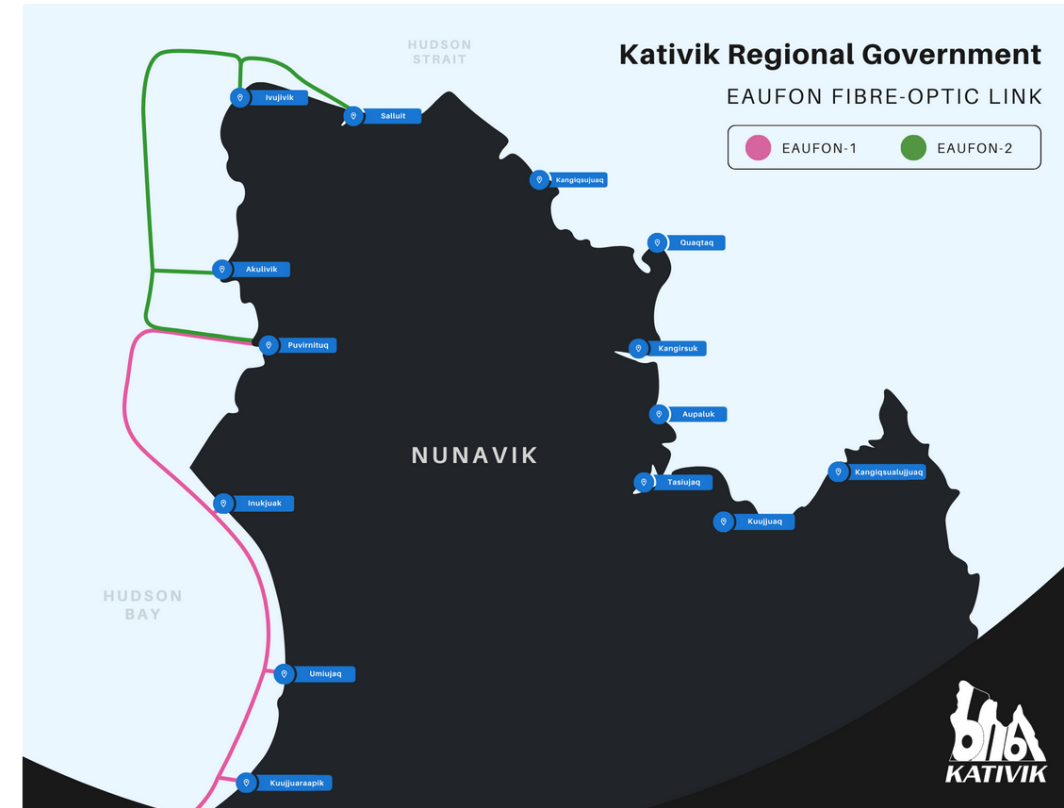
Press release from Nunavut Arctic College

NUNAVUNMI
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ILIHARVIAT
COLLÈGE
DE L'ARCTIQUE
DU NUNAVUT



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NUNAVUT
ARCTIC
COLLEGE

Kativik Regional Government announces activation of EAUFON-2 fibre-optic link to Nunavik communities on Hudson Strait



Salluit, Quebec, February 12, 2024 — The Kativik Regional Government (KRG) announced today the activation of the second phase of its Eastern Arctic Undersea Fibre Optic Network (EAUFON).

Canada KRG offers fibre optic internet connection from Nunavik to Nunavut

By Misha Radkevitch - June 10, 2023

351



Canada gives mineral-rich Arctic region of Nunavut control over its resources

By **Natalie Maerzluft**

January 20, 2024 2:47 PM AST · Updated 2 months ago



IQALUIT, Nunavut, Jan 18 (Reuters) - Canada on Thursday formally gave the giant Arctic territory of Nunavut control over its reserves of gold, diamonds, iron, cobalt and rare earth metals, a move that could boost exploration and development.

Prime Minister Justin Trudeau signed a devolution agreement in the Nunavut capital Iqaluit with Premier P.J. Akeeagok,

"We can now bring decision-making about our land and waters home. It means that we, the people most invested in our homeland, will be the ones managing our natural resources," Akeeagok said in a statement.

NEWS FEB 29, 2024 – 11:05 AM EST

Are Baffin Island's caribou numbers growing? Researchers plan to find out

Population was found to be decimated in 2015, but scientists are optimistic numbers are on the rebound



Researchers are planning a comprehensive survey of Baffin Island's caribou population, starting in March. (File photo)

By Livete Ataguyuk

For the first time in a decade, there will be a comprehensive abundance survey of Baffin Island's caribou population.

The last count, done in 2014, found an estimated decline to about 4,600 caribou from around 150,000 animals seen in the 1980s.

In response, the Nunavut government imposed a temporary moratorium on hunting caribou in January 2015 and after it was lifted has kept a tight rein on tags.

The limit for the 2023-24 season was set at 400, including 80 females.

This year's aerial survey will start in southern Baffin Island in March, focusing on caribou populations that surround the communities of Iqaluit, Kimmirut, Kinngait, Pangnirtung and Qikiqtarjuaq.



ArcticNet receives funding to support a healthy & vibrant Arctic

IQALUIT, December 6, 2023

The Government of Canada announced today that ArcticNet will be funded for the next five years through the Strategic Science Fund (SSF), jointly administered by Innovation, Science and Economic Development (ISED) Canada and Health Canada. The successful proposal was co-developed by ArcticNet, Inuit Tapiriit Kanatami, and Polar Knowledge Canada with support from over 70 organizations across the country and internationally in an effort to carry forward the internationally recognized and respected ArcticNet.

<https://arcticnet.ulaval.ca>

ArcticNet by the Numbers

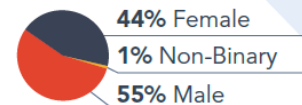
78 active projects



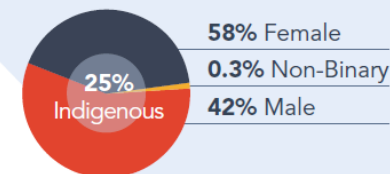
50

- Universities
- Colleges
- Northern post-secondary institutions
- Inuit communities.

196 researchers

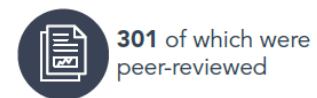


799 Highly Qualified Personnel



+17% Increase of 17% from the previous year (661)

800+ publications in the 2022/23 fiscal year alone



72 workshops



Hosted by ArcticNet funded projects to mobilize knowledge

Annual Scientific Meeting 2022

1200+

- 1200+ participants
- 600+ participants at the Early Career Northern Researchers' Annual Meeting 2022, hosted at the Annual Scientific Meeting 2022
- 420 (35%) Northern participants

On July 8th, the Canadian research icebreaker CCGS *Amundsen* departed from Québec City for its annual expedition to the Arctic Ocean and came back on October 25th. Around 150 scientists from national and international research teams came on board to study the marine and coastal environments of the Canadian and Greenlandic Arctic.



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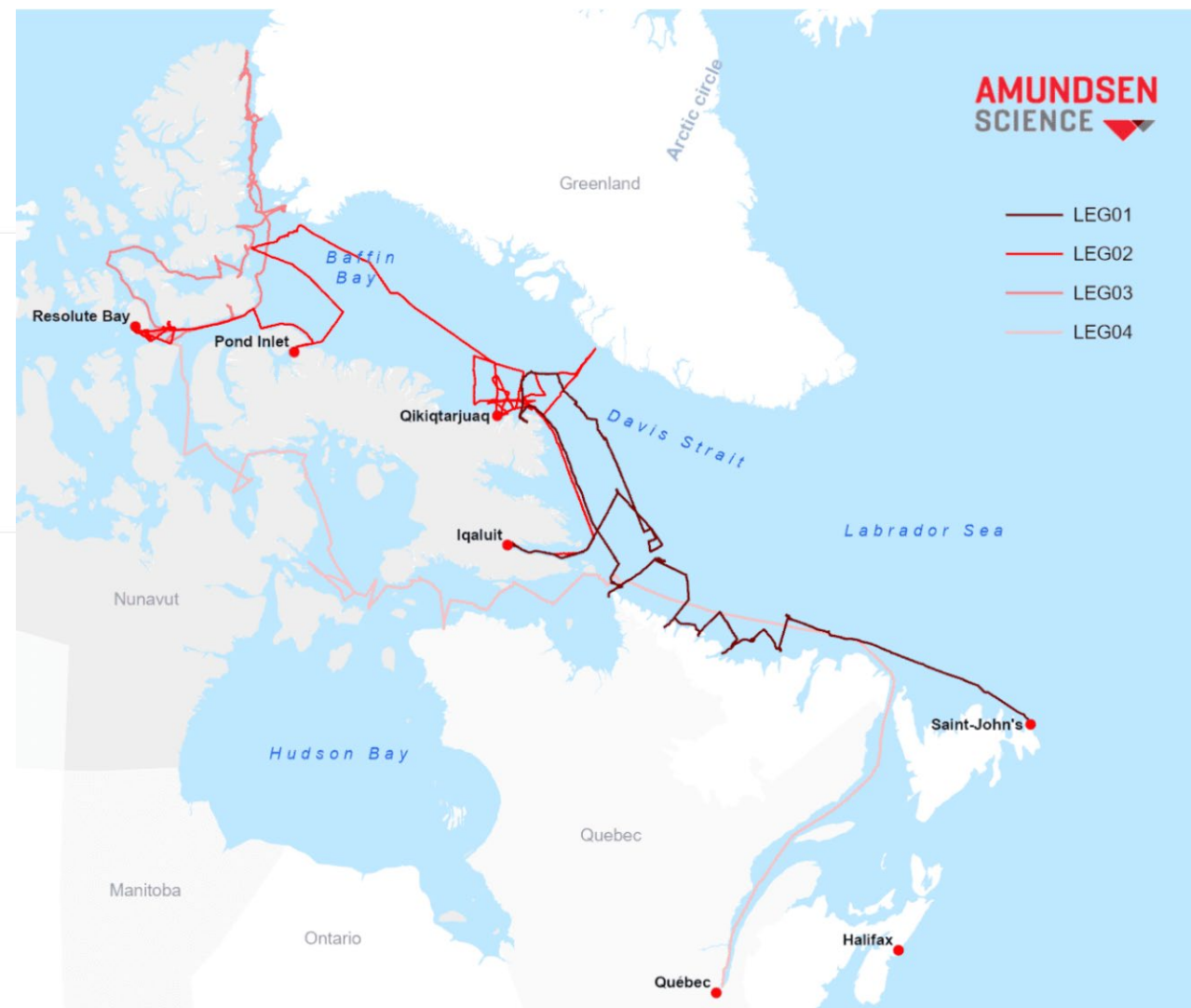
days at sea

14 861

nautical miles travelled

148

scientists

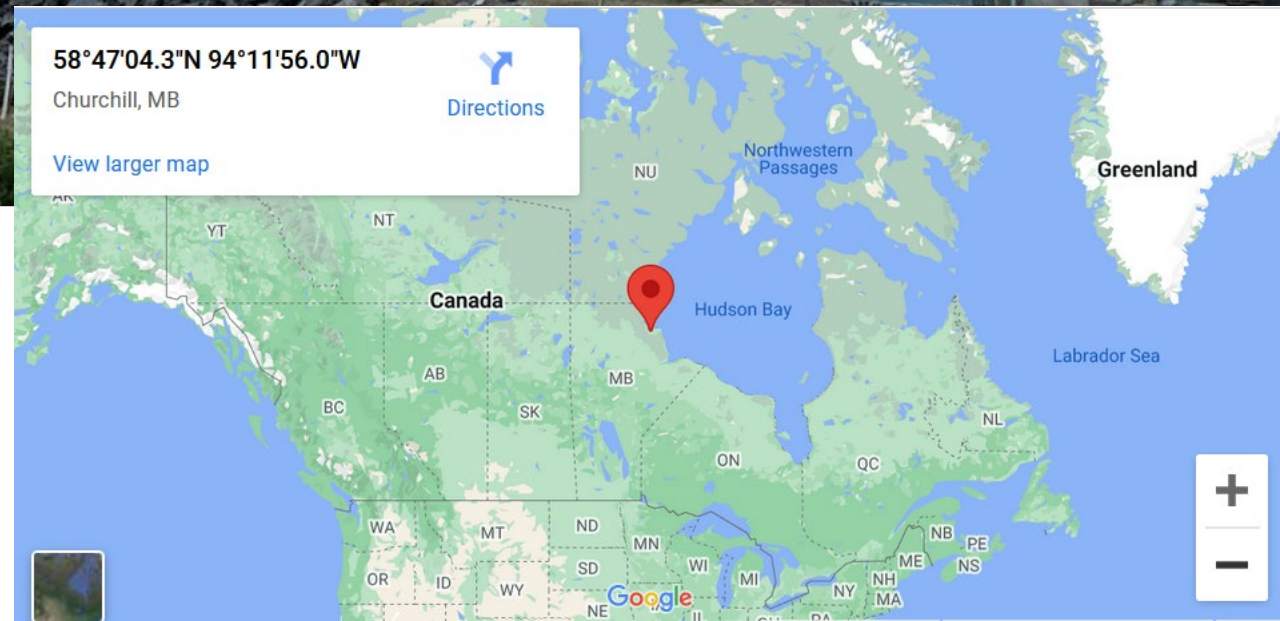


<https://amundsenscience.com/expeditions/1073/>

Churchill Marine Observatory

Research starting in 2021
Grand Opening 2024

The Churchill Marine Observatory (CMO) is a globally unique, highly innovative, multidisciplinary research facility located in Churchill, Manitoba. Its location, adjacent to Canada's only Arctic deep-water port, allows researchers access to marine and Arctic life like never before.





Canadian High Arctic Research Station (CHARS)



Planned spending: \$24,929,010

Polar Knowledge Canada

- Training and Capacity Building – Northern Region 2024-2027
- Research and Training and Capacity Building – Inuit Nunangat 2024-2027
- Yukon Call for Proposals 2023-26
- Polar Knowledge Canada Fellowship Program
- Competitive Funding Process
- Polar Knowledge Canada's Science and Technology Program
- Northern Scientific Training Program

<https://www.canada.ca/en/polar-knowledge/fundingforresearchers.html>

**A CANADIAN-LED
INTERNATIONAL
SCIENCE INITIATIVE:**
*Addressing globally
relevant questions with
locally relevant
consequences*

March 2024



UNDERSTANDING ARCTIC CHANGE FROM OUTER SPACE TO THE DEEP SEA



CANADA 2024-28

Open Invitation:

Introduction to Arctic Pulse and Discussion on Tuesday 26 March at 1330 in the Pentland West Room at JMCC

Contact:

Jackie.Dawson@uottawa.ca for more information

Arctic Pulse will leverage ongoing and newly designed research activities to streamline and advance the mandates of several organizations including federal and territorial government agencies, academic institutions, Inuit and Indigenous government and organizations, and some private sector companies.

Focused on and in Arctic Canada, Arctic Pulse will involve research platforms onboard science icebreakers, air assets, land camps, and communities.

International partners are welcome.

ARCTIC PULSE

CANADA 2024-28

COORDINATING
OBSERVATIONS ACROSS
PLATFORMS

Initial discussions to-date suggest potential for collaboration with Germany, France and UK



**Polar
Environment
Atmospheric
Research
Laboratory**



Closing: 30 June 2024



Miscellaneous Notes

- It is important that national or international researchers working in the Canadian Arctic must have a valid license for the appropriate location. It is important to allow time for the approval of the license before the activity begins.