

ARCTICNET AWARDS \$ 10,8M IN INNOVATIVE AND MULTIDISCIPLINARY RESEARCH PROJECTS TO SUPPORT A HEALTHY AND VIBRANT ARCTIC

QUÉBEC CITY, QC, July 15th, 2025 – The Arctic is changing and warming faster than anywhere else on the planet. Scientific research plays a crucial role in addressing the many environmental, geopolitical and societal challenges emerging in the region. ArcticNet is proud to announce it has awarded \$10,8 million over three years, in partnership with Genome Quebec et Polar Knowledge Canada, to fund 25 innovative research projects designed to support a resilient, sustainable, and self-determined future for the Canadian North.

Funded through ArcticNet's Partnered Research Program, these projects address research gaps and community needs. They span disciplines and address ArcticNet's key priorities in Well-Being, Infrastructure, Energy, Ecosystems, and Economy.

The 26 projects are grounded in collaboration and shared project leadership with Indigenous and Northern partners, ensuring meaningful integration of academic, local, and Indigenous knowledge systems.

“This round of projects represents a new era for ArcticNet, where bridging and leveraging diverse knowledge to better understand and prepare for a changing Arctic is a core value for the organization. We are confident these new projects will highlight multidisciplinary Canadian science excellence and lead the world in Arctic research.”

Dr. Philippe Archambault, Scientific Director, ArcticNet

Why It Matters

From thawing permafrost to energy transitions and food security, communities across Inuit Nunangat and the broader Canadian North are facing rapid change. The funded research projects aim to close critical knowledge gaps while responding to real community needs, helping shape decisions in policy, governance, infrastructure, and health.

These projects will:

- Examine the impacts of sea ice loss, glacier melt, and permafrost thaw on coastal ecosystems and traditional food systems;
- Support well-being and the intergenerational transmission of knowledge;
- Provide baseline data on carbon cycling and ocean health to strengthen ecosystem management;
- Inform marine protection strategies and support climate adaptation and mitigation efforts;
- Enhance water and food security in Arctic communities;
- Involve and train local community members in environmental monitoring and stewardship.

Together, these projects contribute to more resilient ecosystems, communities, and sustainable resource management in a changing Arctic.

A National and Global Collaboration

ArcticNet has partnered with Polar Knowledge Canada and Génome Québec to fund this newest round of research. Génome Québec contributed \$800,000 to support projects using omics approaches, cutting-edge genetic research tools.

“Genomics offers a powerful lens to better understand the Arctic’s complex ecosystems and to drive innovation that respects and integrates Inuit knowledge and local perspectives. Through this partnership with ArcticNet and Polar Knowledge Canada, Génome Québec is committed to advancing research that not only charts the present but also supports a resilient and self-determined future for the North.”

Josette-Renée Landry, President and CEO, Génome Québec

Polar Knowledge Canada’s \$1.9 million contribution will support knowledge goals identified in POLAR’s Science and Technology Framework, particularly in increasing understanding of northern ecosystems and the connections between northern community wellness and environmental health.

“Polar Knowledge Canada is pleased to partner with both Génome Quebec and ArcticNet to fund research projects that will advance Canada’s knowledge of the Arctic and strengthen Canada’s role as a leader in polar science. The results of these funded research projects will play an important role in decision making and adaptation in the context of rapid change, and improve economic opportunities, environmental stewardship and the quality of life of both the residents of the Canadian Arctic, and all other Canadians.”

Dr. David Hik, Chief Scientist, Polar Knowledge Canada

This funding marks the first round of projects awarded since ArcticNet transitioned from a Network of Centres of Excellence to a recipient of the federal Strategic Science Fund (SSF; 2024-2029). The successful SSF proposal was co-developed with Inuit Tapiriit Kanatami and Polar Knowledge Canada, with support from Inuit Circumpolar Council Canada and over 70 organizations across Canada and internationally, to carry forward the internationally recognized and respected ArcticNet.

Looking Ahead

Since 2004, ArcticNet has brought together scientists and experts in the natural, human health, and social sciences with their partners in Inuit organizations, northern communities, governments, and private sector to further our understanding and respond to the impacts of a changing Arctic. That mission continues with renewed momentum—and with a greater emphasis on community-driven leadership and knowledge integration.

“ArcticNet is thrilled to fund this next round of projects with support from partners with a shared vested interest in advancing knowledge on the Arctic. By supporting these researchers and their teams, we are also supporting the future of Arctic research through the training of the next generation of northern experts. The results that will emanate from this research will shape the future of the Arctic, which ArcticNet is honored to play a part in.”

Dr. Christine Barnard, Executive Director, ArcticNet

The full list of projects funded by the Partnered Research Program can be found here: https://arcticnet.ca/wp-content/uploads/2025/07/ArcticNet_Partnered-research-projects_list_2024-2025_EN.pdf

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About [ArcticNet](#)

ArcticNet Inc. is a Canadian non-profit organization supporting world-class and capacity building for a flourishing Arctic. Founded in 2003, ArcticNet bridges scientific and Indigenous knowledge to develop and share knowledge needed to inform effective strategies and decision-making regarding the impacts and opportunities of climate change in the Arctic. Funded primarily by the Government of Canada—first through the Network of Centres of Excellence and now the Strategic Science Fund—ArcticNet has supported over 235 projects and trained more than 4,000 researchers and highly qualified personnel.

About [Polar Knowledge Canada](#)

Polar Knowledge Canada (POLAR) is responsible for advancing Canada's knowledge of the Arctic, strengthening Canadian leadership in polar science and technology, and promoting the development and distribution of knowledge of other circumpolar regions, including Antarctica. POLAR operates the Canadian High Arctic Research Station (CHARS) and conducts world-class cutting edge Arctic research out of this extraordinary facility. To learn more, visit

About [Génome Québec](#)

Génome Québec, a private, non-profit organization established in 2000, aims to catalyze the development and excellence of genomics research, its integration, and its democratization. As a pillar of Québec's bioeconomy, the organization also contributes to social and sustainable development, as well as to promoting Québec's leadership. Génome Québec's funding comes from the Québec Ministry of Economy, Innovation and Energy (MEIE), the Government of Canada through Genome Canada, and private partners.