



Institut nordique
du Québec

Together for the North

2017-2018 **ACTIVITY REPORT**

Together for the North

The INQ's vision reflects its partners' desire and determination to develop a sustainable North based on a foundation of knowledge. To integrate scientific knowledge with that of local communities, including Aboriginal knowledge, and partner with the public and private sectors to develop the Canadian Arctic and Northern Quebec for future generations, providing clean energy, healthy ecosystems, viable infrastructures, economic prosperity, vibrant cultures, and adapted education and healthcare systems.



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Message from the chair of the executive committee, the project director, and the acting chair of the implementation committee

The year 2017-2018 was chock-a-block with events, and among the many achievements, we are especially proud that the final few months of the year allowed us to crystallize, more than ever, INQ's unifying vision.

Thanks to the enthusiasm of its members, Institut nordique du Québec now includes no fewer than 15 Quebec universities—a significant and unprecedented step towards rallying the key stakeholders in northern research.

From a scientific standpoint, we are beginning to see some interesting results from the three research chairs, which will have considerable spinoffs for northern communities. INQ's infrastructure is coming to life, while its research teams are actively working to roll out research components at several universities and in different regions and territories.

INQ also continued to build on its momentum from the previous year, overhauling its website, which now hosts Lab-O-Nord and Atik[®]: the Northern and Arctic Studies Portal.

INQ has a solid presence in networks that facilitate the sharing and dissemination of knowledge, and continued to play a leading role at scientific gatherings, local and international alike. Inspired by the next generation of researchers, INQ supported initiatives to popularize knowledge, notably with *My Northern Project*.

The creation of new infrastructure, the advances in research work, and the proliferation of opportunities for dialogue are all important steps in helping INQ fulfill its mission to incorporate and share northern and Indigenous knowledge for the good of sustainable development and the communities.



Jean-Éric Tremblay
Acting Chair of the
Implementation Committee

Eugénie Brouillet
Chair of the
Executive Committee

Brigitte Bigué
Project Director

Message from the science and innovation director

ON THE GROUND AND HARD AT WORK!

The past year was marked by a remarkable consolidation of the rollout of Institut nordique du Québec. Among the many significant achievements on all fronts in 2017-2018, three main developments stand out. First was the finalization of INQ's membership process. Members include legal entities such as universities and public and private sector partners who contribute to INQ's program. The research centres and researchers associated with these entities and active in northern research are affiliated with INQ. After much debate and discussion on the articles defining its membership, the executive committee gave the directors the go-ahead to present INQ to Bureau de coopération interuniversitaire (BCI). A highly productive meeting with BCI led to invitations being sent to the various universities to team up with INQ. Of Quebec's 18 universities, 15 have now joined Institut nordique du Québec.

Second was the completion of the Functional and Technical Program for the science complex that will house INQ on the Université Laval campus. The culmination of numerous consultations with researchers and users in the various sectors to identify their needs, the program's drafting and presentation was one of the preconditions to secure matching funding from the federal government to build the complex. Thanks to the extraordinary work by the team of architects, planners, and engineers, we are now ready to issue the invitations to tender and start in on the plans and specifications as soon as the funding from Ottawa is confirmed. It is worth stressing that the role of the science complex is to act as a gathering place and a venue for dialogue, research, and logistical preparations for all northern researchers affiliated with INQ, and their partners.

The third key achievement was the particularly promising development of close partnerships between INQ and new research infrastructure in three subsectors of the territory covered by the Plan Nord: the Uapishka Research Station on the North Shore; the CEN network station in Umiujaq, Nunavik; and a permanent facility run jointly by UQAT and the Cree community in Eeyou Istchee-James Bay. These infrastructures, which are in addition to INQ's numerous existing and planned gateways to Northern Quebec and its communities, will facilitate exchanges between northern researchers and experts.

Lastly, management continued to explore potential avenues of funding for the INQ research program, including its efforts to renew the ArcticNet network of centres of excellence. After managing to have the law amended in order to allow a network of centres of excellence to receive funding beyond the 14 year limit, ArcticNet's letter of intent for the new competition was selected among 11 other candidacies, including those of 2 other established networks. The full application was submitted this past summer and analyzed by an international committee. A response regarding the funding of ArcticNet 2.0 is expected in November 2018.



Louis Fortier
Science and Innovation Director



The origins of an innovative project

Since its inception in 2014, Institut nordique du Québec has forged a network and created synergy among the actors of northern development. With the implementation of a temporary governance structure, stakeholders were quick to heed the call. INQ began to take shape, creating an unprecedented partnership between Université Laval, McGill University, and Institut national de la recherche scientifique (INRS). From the outset, INQ has worked in close collaboration with the directors of Quebec's northern research centres; the Indigenous nations that live in the North; private partners from the forestry, energy, and mining sectors; Société du Plan Nord; as well as representatives of Quebec's colleges and universities.

Together they laid the foundation for a first-rate research institute that would provide guidance for the sustainable development of the North. The partners envisaged great things for INQ, taking an interdisciplinary, intersectoral approach, and seeking to decompartmentalize the different sectors. They developed an ambitious vision and an inspiring mission—to unite the stakeholders in northern and Arctic research (natural sciences and engineering, health sciences, social sciences and humanities) and promote innovation. This synergy between researchers and the end-users of research will provide governments, northern communities, and the private sector with the knowledge and expert workforce required for the sustainable development of Northern Quebec and the Canadian Arctic.

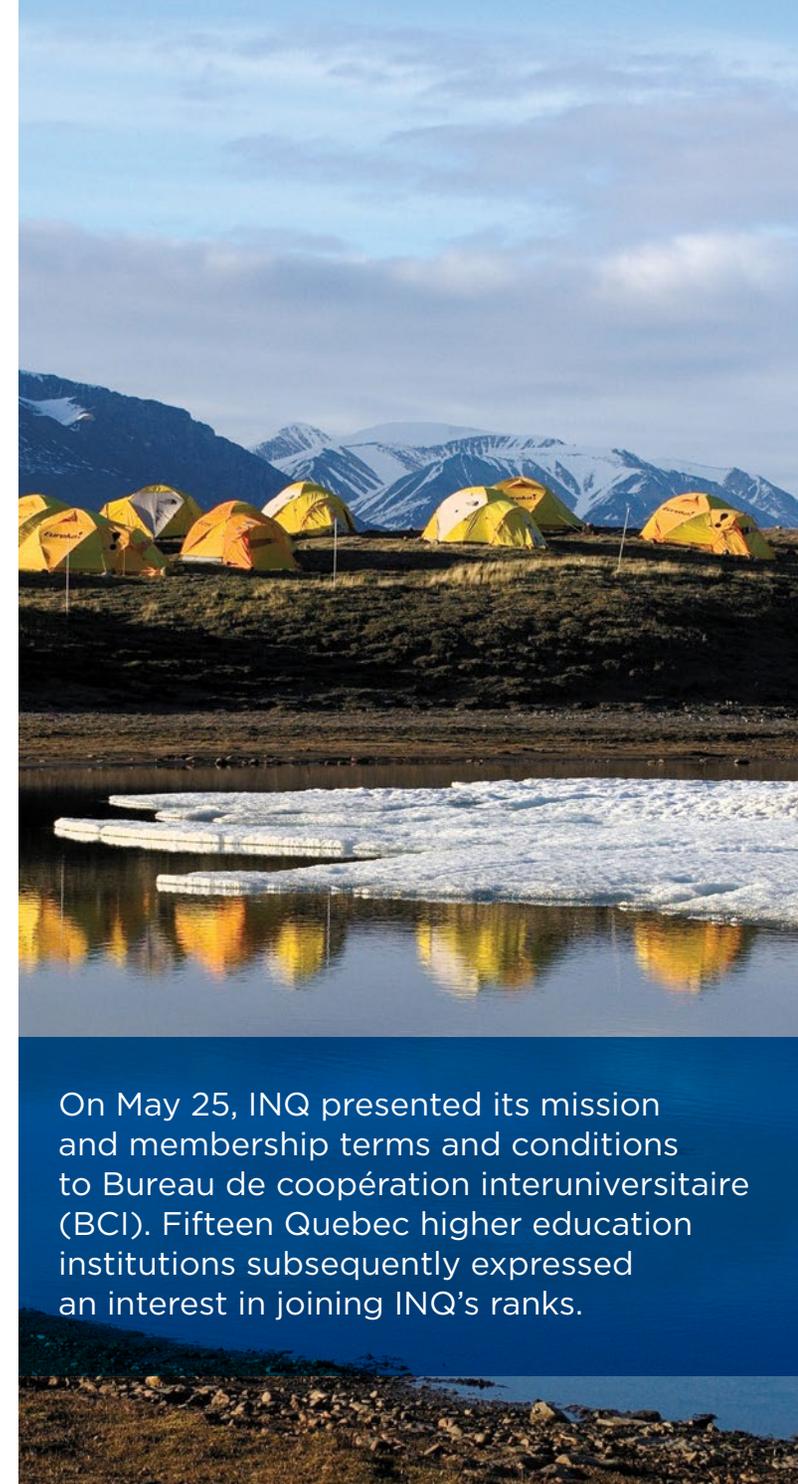
INQ brings together the most talented researchers, who work together to address society's needs. By focusing on multidisciplinary research, INQ forms extensive national and international teams and strives to ensure that the knowledge they acquire is incorporated across the different sectors. In addition to optimizing the management of existing northern infrastructures and supporting the implementation of major new infrastructures, INQ also works to train the next generation of researchers and promotes effective cooperation with northern communities and industry players.

The goal is to innovate in order to ensure that scientific expertise serves the sustainable development of the North and helps Quebec and its inhabitants prosper.

CONTINUED RALLYING EFFORTS

A full year of discussions to draw up a blueprint for partnership

INQ worked to enhance its membership process over the course of the year, with a view to bringing on board more stakeholders in northern research in Quebec. At a retreat held at Forêt Montmorency in April on the topic of membership, some thirty participants held discussions on the membership process and its terms and conditions. On May 22, 2018, the executive committee adopted the final version of INQ's statutes put forth by the implementation committee, paving the way for an inclusive, well-established process to expand INQ's framework.



On May 25, INQ presented its mission and membership terms and conditions to Bureau de coopération interuniversitaire (BCI). Fifteen Quebec higher education institutions subsequently expressed an interest in joining INQ's ranks.



PARTNERSHIP AT A GLANCE

FOUNDING INSTITUTIONS:

Université Laval, McGill University, Institut national de la recherche scientifique (INRS)

FOUNDING INDIGENOUS NATIONS

Nunavik Inuit, Cree of Eeyou Istchee-James Bay, Quebec Innu, and the Naskapi Nation of Kawawachikamach

MEMBERS

Regular, associate, or user members all conduct research related to northern or Arctic issues. Partners are legal entities concerned by these issues. All members and partners must complete and sign a membership application.

Regular Members

Higher education establishments or legal entities in Quebec that conduct research related to northern or Arctic issues.

Associate Members

Higher education establishments or legal entities outside Quebec that conduct research related to northern or Arctic issues.

User Members

Public, broader public, or private organizations; companies; or individuals; potential end-users of research findings or those who wish to remain up-to-date on INQ's activities and be solicited for contributions. User members bear the cost of services provided by INQ.

PARTNERS

Legal entities that use northern research, or strategic partners such as the Government of Quebec and its public corporations, and the Government of Canada.

Research Centres and Entities, and Affiliated Researchers

Research centres and entities, or researchers with a focus on northern or Arctic studies who are recognized by a member or partner institution/entity are affiliated. They are active contributors to INQ's scientific program and to the development of its research priorities. Affiliation is subject to approval by the executive committee.

The North at a glance*



3%

of the world's freshwater reserves are in Quebec, mostly in the North



22%

of Quebec's surface area



Over

200,000 km²

of forest



Over

75%

of Quebec's hydroelectric capacity



Population of over

120,000



1/3

of the population is Indigenous



4

Indigenous nations (Inuit, Cree, Innu, and Naskapi) in 31 communities



32

non-Indigenous communities (James Bay, Lac Saint-Jean, and Côte-Nord regions)



13

mines in operation and more than 14 mineral resources, including apatite, diamonds, iron, graphite, lithium, nickel, gold, titanium, rare-earth elements, and zinc





Spinoffs for the communities

REPORT ON THE FORUM ON THE RESEARCH NEEDS OF FIRST PEOPLES

On March 7 and 8, 2017, Université du Québec en Abitibi-Témiscamingue (UQAT) opened its doors to Institut nordique du Québec for its forum on the research needs of First Peoples. A report on the forum was drafted, edited, and distributed in Winter 2018. Over the course of the two-day event, Pavillon des Premiers-Peuples hosted researchers as well as members and representatives of the Indigenous nations. Researchers from Université Laval, UQAT, INRS, and McGill University took part in discussions with members and representatives of the Anicinape, Atikamekw, Cree, Innu, Inuit, and Naskapi Indigenous nations. More than sixty people attended the forum. The report released after the forum highlighted the need to link Indigenous research and INQ's five research priorities. It also proposed the creation of a mediating structure between INQ and the Indigenous communities, as well as shared leadership and the co-construction of knowledge about the North.

A GUIDE FOR GOOD RESEARCH PRACTICES

On January 24, 2018, the First Peoples Working Group released a document entitled *Research Guidelines*, with a view to providing INQ's partners with a guide for good practices in northern research. It notably proposes that all researchers work in close collaboration with local populations, that research be relevant to those people, and that it generate significant benefits for the members of the communities.



**RESEARCH
GUIDELINES**

INFRASTRUCTURE IN THE WORKS

Over the year, numerous working meetings were held to finalize the details of INQ's future main pavilion. The building to be erected on the Université Laval campus will be a hub for many of Quebec's Northern Centres of Excellence, bringing together under one roof a wide range of scientific disciplines, including the social sciences and humanities, natural and health sciences, and engineering.

Its specialized facilities will include laboratories, storage space, and workshops for technological innovation and for preparing terrestrial and marine missions in the North. With a view to partnership and knowledge transfer, the building will house a videoconferencing room for communicating with northern communities and other partners, as well as spaces dedicated to distance learning for northern residents.

INQ, in collaboration with Société du Plan Nord, also developed three new components designed to meet the research needs of the communities. These projects are located in the three sub-regions of the territory covered by the Plan Nord and will ensure INQ has sufficient territorial representivity.

The first component consists of the planned Uapishka research station in the heart of the Monts-Groulx mountains on the North Shore. This region holds considerable potential for the development of traditional knowledge and scientific research. The uniquely located Uapishka Station will sit in an area that boasts a rich variety of northern ecosystems and remarkable geological phenomena, all within an extraordinary Indigenous heritage setting.

The second component consists of the expansion of one of the stations in the Centre d'études nordiques network, this one in Umiujaq, in Nunavik. The station is used by numerous Canadian and foreign researchers to study climate dynamics, permafrost, and subarctic ecosystems. The acquisition of equipment at the Université Laval campus will also facilitate analyses and the development of new analytical technologies.

The third component will see a permanent facility in the Eeyou Istchee-James Bay territory for Université du Québec en Abitibi-Témiscamingue and the Cree community. Research will be stepped up in the near North thanks to new offices, equipment storage spaces, laboratories, and housing.

The infrastructure will provide research teams with tools to enhance their work on groundwater protection, the conservation of biodiversity and northern ecosystems, and the development and well-being of Indigenous and James Bay communities.

LAB-O-NORD: A TOOL DESIGNED TO SERVE MEMBERS

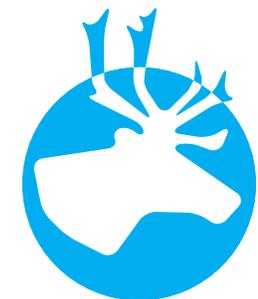
INQ members are now able to share and pool state-of-the-art research infrastructure. Launched on June 5, 2018, Lab-O-Nord provides an inventory of all the research infrastructure (major facilities, labs, and equipment) available to members. The online platform promotes and optimizes these resources by making the technical specifications of infrastructure that are essential to northern research available to members throughout the network.



LAB-O-NORD

ATIK^u, A WINDOW INTO KNOWLEDGE ABOUT THE NORTH

Atik^u, the Northern and Arctic Studies Portal, features the best international documentary resources for research. Developed from an interdisciplinary perspective, the web-based tool includes databases; cartographic, geospatial, and statistical documents (films and freely accessible documents), reference works, research data repositories, and source documents. The Northern and Arctic Studies Portal, which was launched on June 5, 2018, is the result of a close collaboration between the libraries of Université Laval, Institut national de la recherche scientifique (INRS), and McGill University.



ATIK^u

Our partners in action

A collaborative effort in progress

WORKING GROUP ON SUSTAINABLE DEVELOPMENT

Leader

- Murray Humphries (McGill University)

Members

- André Potvin (Université Laval)
- Jasmin Raymond (INRS)
- Thierry Rodon (Université Laval)
- Beatriz Osorio (INQ – McGill) – Coordinator

Role

Draw on the UN's sustainable development goals and validate those that are relevant for the North within INQ; develop appropriate indicators for the North as well as a sustainable development toolbox for northern research.

Achievements

Sustainable development workshop during the Forum on the Research Needs of First Peoples and development of a sustainable development toolbox within INQ (underway)

WORKING GROUP ON INFRASTRUCTURE

Leader

- Christine Barnard (Centre d'études nordiques [CEN]/Université Laval)

Members

- Alexandre Forest (*Amundsen Science*)
- Marie Hélène Forget (Takuvik/Université Laval)
- Beatriz Osorio (INQ – McGill)
- Brigitte Bigué (INQ)
- Brigitte Robineau (Québec-Océan)
- Nathalie Foisset (McGill)
- Stéphane Prémont (INRS)
- Sylvain Tougas (INQ)
- Debra C. Stowe (INQ) – Coordinator

Role

Coordinate and facilitate access to and use of all INQ infrastructure, facilities, and services. Optimize the management, use, and acquisition of infrastructure in consideration of the various components of INQ and its partners.

Achievements

Lab-O-Nord, a web-based inventory of all the facilities, labs, and equipment

FIRST PEOPLES WORKING GROUP

Leader

- Melissa Saganash (Cree)

Members

- Ellen Avard (Inuit)
- Serge Ashini Goupil (Innu)
- Glenda Sandy (Naskapi)
- Michel J. Tremblay (Université Laval)
- Najat Bhiry (Université Laval)
- Suzy Basile (UQAT)
- Brigitte Bigué (INQ)
- Aude Therrien (INQ) – Coordinator

Role

Define joint and specific research needs and priorities for Indigenous communities in the North; define a code for the responsible conduct of research in the North in keeping with the activities of the First Peoples; define Indigenous knowledge and establish its role within INQ.

Achievements

Report on the Forum on the Research Needs of First Peoples; Research Guidelines

NEW

WORKING GROUP ON EDUCATION AND TRAINING

Leader

- Michel Allard (CEN/Université Laval)

Members

- Marie Audette (Université Laval)
- Gina Muckle (Université Laval)
- Caroline Hervé (Université Laval)
- Aude Therrien (INQ)
- Jim Howden (McGill)
- Monique Bernier (INRS)
- Marie-France Gévry (Sentinel North)
- Brigitte Bigué (INQ)
- Debra C. Stowe (INQ) – Coordinator

Role

Make an inventory of existing training programs on northern Quebec at the founding partner universities; support universities in their initiatives to train students, future stakeholders in the North, and professionals working on northern issues; develop an uncredited continuing education program for transferring knowledge to academics, professionals, and the general population; offer an uncredited general training program on northern Quebec in the form of a nanoprogram; encourage the involvement of Indigenous people in all aspects of and throughout the students' educational program.

Achievements

Definition of the group's role and reflection on the training strategy within INQ

NEW

WORKING GROUP ON NEW AND RENEWABLE ENERGIES

Leader

- Jasmin Raymond (INRS)

Members

- Hélène Arsenault (Société d'habitation du Québec [SHQ])
- Guy Robichaud (SHQ)
- Martin Bourbonnais (Cégep de Jonquière)
- Jean-Luc Bugnon (Société du Plan Nord [SPN])
- Kathleen Gauvin (Transition énergétique Québec [TEQ])
- Nicolo Giordano (INRS)
- Taha Ouarda (INRS)
- Patrick Gonzalez (Université Laval)
- Louis Gosselin (Université Laval)
- Christophe Krolik (Université Laval)
- Éliane Roux-Blanchette (Université Laval)
- Hakim Nesreddine (Institut de recherche d'Hydro-Québec [IREQ])
- Alain Forcione IRHQ
- Julia Purdy (NRC)
- Francois Bouffard (McGill)
- Debra C. Stowe (INQ) – Coordinator

Role

Gain greater insight into existing energy infrastructure; assess and anticipate energy needs and resources; document the impacts of the energy transition; support stakeholders on the ground and transfer new knowledge to them; identify legal levers and propose solutions to improve existing regulations.



Scientific program

INQ's scientific program stems from a massive, comprehensive, and inclusive consultation process involving more than 150 researchers and representatives of organizations and Indigenous nations.

1

PRIORITY 1 | SOCIETIES AND CULTURE

Improve our knowledge of social and cultural issues of Northern Quebec by studying different development models as well as heritage, identities, territoriality, knowledge, living environments, and governance. This priority also emphasizes the planning of research agendas, compliance with ethics protocols in Indigenous settings, and the decolonization of research.

2

PRIORITY 2 | HEALTH

In keeping with the themes and priorities identified by people in the North, and using a partnership approach, this priority focuses not only on research into illness and disease, but also on resilience, adaptation, and the positive aspects of health. Intervention research, both clinical and population-based, aims to identify optimal solutions and best practices to improve the health of northern populations and reduce health-related inequities.



3

PRIORITY 3 | ECOSYSTEM PROCESSES AND ENVIRONMENTAL PROTECTION

The ecosystems of high northern latitudes are feeling the combined effect of accelerated socioeconomic development, strong demographic growth, and global warming. This priority examines the consequences of such stresses on marine, terrestrial, and freshwater ecosystems in order to preserve and protect the food security and well-being of people living in the North. This research priority explores global warming, thaw, freshwater, food security, and the greenhouse effect, with an emphasis on coastal environments.

4

PRIORITY 4 | INFRASTRUCTURE AND TECHNOLOGY

Developing Quebec's North will require new technologies and infrastructure adapted to its harsh environment characterized by a cold climate, remote communities, and melting permafrost. To address the needs of northern communities, this priority explores issues including the rapid implementation of telecommunications channels, development of environmental technologies to ensure the protection of the potable water supplies of northern communities, the development of infrastructure adapted to harsh environments, and the conversion and management of waste from a health and sustainable development standpoint.

5

PRIORITY 5 | NATURAL RESOURCES

The North's ecosystems are home to considerable forestry, mineral, hydroelectric, and wind resources. This priority looks at the economic value of natural resources while taking into account the extreme vulnerability of northern ecosystems to climate change and the impact of human activity. In keeping with the aspirations of northern communities, it will study and document overexploitation, seek to achieve social acceptability, and encourage the local spinoffs of economic activity. Through optimization and planning, this priority seeks to develop tools that will ensure that strategic resources in the North are developed in a sustainable manner.



Our Chairs in action

1. NORTHERN SUSTAINABLE DEVELOPMENT RESEARCH CHAIR

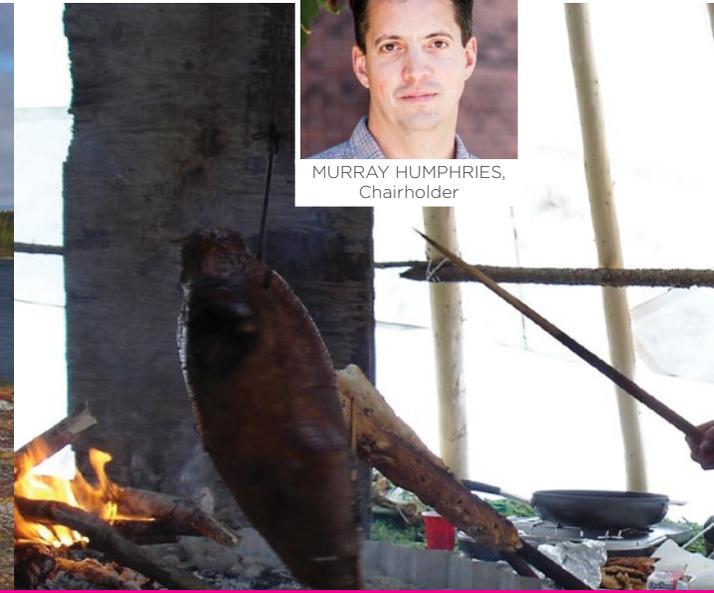
Research by the MinErAL network examines the social and economic impact of mines on Indigenous communities with its projects, including Mining Economies, Mining Families, and Fly-in/Fly-out: Impacts on Women and Northern Communities. The Resource Governance and Indigenous Rights, and Indigenous Consultation and Engagement initiatives have explored the notion of free, prior, and informed consent. The Chair has documented governance in Nunavik with the Modern Treaty Implementation projects and the TNTI program evaluation. Research has also led to advances in the areas of education and the subsistence economy.

2. MCGILL CHAIR IN NORTHERN RESEARCH - WILDLIFE CONSERVATION AND TRADITIONAL FOOD SECURITY

The Chair, in partnership with federal, provincial, and territorial governments, co-management organizations, and Indigenous organizations, has examined how environmental changes are impacting wildlife and traditional food systems in Northern Canada. Its initiatives include research into the interactions between muskox and caribou in the Yukon and Northwest Territories and between beaver and salmonids in Nunavik. The Chair also collaborated with numerous partners in the North to co-develop a research program on the wildlife species that are key to the traditional food systems of Northern Quebec, including the territories of Eeyou Istchee and Nunavik.



THIERRY RODON,
Chairholder



MURRAY HUMPHRIES,
Chairholder

3. NORTHERN GEOTHERMAL POTENTIAL RESEARCH CHAIR

This year the Chair's research focused on technologies linked to geothermal heat, underground thermal energy storage, and deep geothermal drilling. The use of such technologies in northern environments aims to reduce the dependence of remote communities on fossil fuels. Characterization studies of the thermohydraulic properties of the subsoil were conducted in conjunction with the communities of Kuujjuaq, Chapais, and Chibougamau, as well as on Anticosti Island, and at the Éléonore mine. The Laboratoire Ouvert de Géothermie (LOG) was also set up, with the support of the Canada Foundation for Innovation and Ministère de l'Économie, de la Science et de l'Innovation.



JASMIN RAYMOND,
Chairholder



Highlights

1. LAUNCH OF THE MOOC ON NORTHERN QUEBEC: ISSUES, SPACES, AND CULTURES (October 10, 2017)

The online course reached a new audience with the launch of the English version of the *MOOC Québec nordique: enjeux, espaces et cultures*. Over 700 people signed up for this first edition of the English-language version. The course is an introduction to the sociopolitical issues of Northern Quebec—the ancestral land of several Indigenous nations. It aims to foster a greater understanding of the cultures of northern populations, the place this territory occupies in the collective imagination, the different visions for its development, and its sociopolitical development over time.

2. ARCTIC CIRCLE ASSEMBLY, REYKJAVIK, ICELAND (October 12 to 15, 2017)

INQ, together with the Quebec government, organized three scientific sessions at the 5th Arctic Circle Assembly in Reykjavik, Iceland, on the challenges of sustainable development in the North, the role of federated states in the governance of the Arctic, and *My Northern Project*, a competition that attracted top doctoral students from Quebec and other northern regions. The Arctic Circle Assembly is the biggest international gathering devoted to the Arctic, with over 2,000 participants from 50 different countries.

3. SECOND EDITION OF SCIENCE DAY - MCGILL NORTH AND INQ (January 24, 2018)

Over 80 people attended the second edition of Science Day, at McGill University's Faculty Club. The event devoted to northern research was organized jointly by McGill North and INQ. McGill North is a network of McGill researchers working on northern issues. This network aims to strengthen ties between its members and to create an active northern research community within McGill University.



1



2



3

4. INQ: PARTNER OF THE ARCTIC SUSTAINABILITY SUMMIT
(May 23-24, 2018)

Held as part of the G7 Research Summits, the Arctic Sustainability Summit saw national and international leaders come together at the Palais des congrès in Montreal. The event was organized by the Royal Society of Canada and Fonds de recherche du Québec, in cooperation with the National Research Council of Canada, NSERC, CIHR, SSHRC, the International Council for Science, the Canada Foundation for Innovation, and Institut nordique du Québec. INQ was in charge of the student session, where PhD students did an excellent job presenting their northern and Arctic research and their recommendations to the leaders.

5. JOURNÉES NORDIQUES (NORTHERN DAYS) AT UNIVERSITÉ LAVAL'S SCHOOL OF ARCHITECTURE (June 5 and 6, 2018)

Institut nordique du Québec took the opportunity to launch two new tools on its website: Lab-O-Nord and Atik[®]: the Northern and Arctic Studies Portal. Northern Days also featured a day of interdisciplinary discussions on the North, an event that encouraged interaction between researchers, members of Indigenous communities, and partner organizations. The 90+ people in attendance had a chance to exchange views and benefit from the presence of key stakeholders in northern research. Sixteen researchers and students presented their research projects and discussed the contributions and challenges of interdisciplinarity. Northern Days also hosted the Quebec finals of the *My Northern Project* competition and featured three presentations by researchers on the realities of fieldwork in northern and Arctic settings.

6. MY NORTHERN PROJECT (INQ-FRQ), 2ND EDITION

In the wake of the resounding success of the first edition, the *My Northern Project* science popularization competition once again attracted the participation of plenty of young researchers with an interest in the North. The contest saw 18 students present their research with great enthusiasm. These early career researchers were each given 5 minutes and a maximum of 10 slides (without animation) to present their northern research project and pique the public's curiosity.







Meetings and outreach

1ST SENTINEL NORTH SCIENTIFIC MEETING, CHÂTEAU LAURIER (August 29-30, 2017)

The first scientific meeting held by Sentinel North drew over 300 people to the event venue at Château Laurier in Quebec City. The acting chair of the implementation committee, Jean-Éric Tremblay, made a presentation about INQ during a plenary session. Funded by the Canada First Research Excellence Fund, Sentinel North is rolling out an extensive transdisciplinary research program and training the next generation of researchers to address the complex challenges of the changing North.

61ST FORUM SCIENCE ENVIRONNEMENT: CCGS AMUNDSEN (November 8, 2017)

The 61st Forum Science Environnement drew 270 attendees under the theme “CCGS *Amundsen*: scientific exploration of an exotic world.” A number of INQ researchers, including science and innovation director Louis Fortier, presented their findings.

ARCTIC FUTURES SYMPOSIUM IN BRUSSELS (November 18 to 22, 2017)

René Therrien, Chair of the Implementation Committee, gave a presentation on INQ at the Arctic Futures Symposium, held under the theme “Smart and Sustainable Investment for the Arctic’s Future.”

ARCTIC CHANGE (December 11 to 15, 2017)

INQ was one of the partners of Arctic Change, a prestigious scientific gathering hosted by ArcticNet at the Quebec City Convention Centre. For the first time, Sentinel North, Takuvik, Québec-Océan, Centre d’études nordiques (CEN), Nasivvik, and the three INQ research chairs were all together under the INQ banner.

UIT, ARCTIC FRONTIERS, AND FRAM CENTRE (January 16 to 24, 2018)

A delegation from Sentinel North and INQ travelled to Norway in January to collaborate with the University of Tromsø, visit the Fram Centre, and attend the annual Arctic Frontiers Conference. Robert Sauvé, President and CEO of Société du Plan Nord, and Pierre Moreau, Quebec’s Minister of Energy and Natural Resources and Minister responsible for the Plan Nord, joined the researchers to visit the Fram Centre, which has been a source of inspiration for INQ, both in its scientific activities as well as its layout.

2017-2018 INQ Committees

INQ IMPLEMENTATION COMMITTEE

Research Centres

1. **Gilles Gauthier**
Scientific Director
Centre d'études nordiques (CEN)
Université Laval
2. **Jean-Éric Tremblay**
(Acting Chair)
Scientific Director
Québec-Océan
Université Laval
3. **Marcel Babin**
Director
UMI Takuvik
Université Laval/CNRS
4. **Thierry Rodon**
Director
Interuniversity Center for Indigenous
Studies and Research (CIÉRA)
Université Laval
5. **Pierre Ayotte**
Scientific Director
Nasivik Research Chair
in Ecosystem Approaches
to Northern Health
Université Laval
6. **Martin Fortier**
President and CEO
Sentinel North
Université Laval
7. **André Potvin**
Director
Institut Hydro-Québec
en environnement,
développement et société (EDS)
Université Laval
8. **René Therrien**
(Chair)
Vice Dean of Research
Faculty of Science and Engineering
Université Laval
9. **Murray Humphries**
Director
Centre for Indigenous Peoples'
Nutrition and Environment (CINE)
McGill University
10. **Paul Brassard**
Northern Representative
Réseau universitaire intégré
en santé (RUIS)
McGill University

11. **Louis Fortier**
Science and Innovation Director
INQ;
Scientific Director
ArcticNet, CGSS *Amundsen*,
Takuvik
Université Laval
12. **Jasmin Raymond**
Chairholder INQ-INRS
Founding Universities

Founding universities

13. **Michel J. Tremblay**
Deputy Vice Rector of Research,
Creation, and Innovation
Université Laval
14. **Jean-François Blais**
Director
Centre Eau, Terre, Environnement
Institut national de la recherche
scientifique (INRS)
15. **Beatriz Osorio**
Coordinator, INQ Activities at McGill
McGill University

UQ Network Universities

16. **François Deschênes**
Vice Rector of Education
and Research
Université du Québec à Rimouski

Other Universities

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