

BUILDING A CANADIAN VISION FOR ARCTIC LEADERSHIP AND COOPERATION

Arctic Development Expo
June 12-14 2023

Jessica M. Shadian, Ph.D.
President and CEO
Arctic360



arctic development expo
northern realities • northern solutions



www.Arctic360.org

WHO WE ARE

Canada's premier Arctic specific think tank

Aim: Elevate the national conversation about Canada's North and Canada's regional and global role as an Arctic state.

Status: Non-partisan, registered, not-for-profit organization

Governance: Majority Indigenous-led leadership team

Board and Executive Team: 51% Indigenous

Our Collaborators: Indigenous corporations and Northern governments, federal government, private sector, Arctic leaders, like-minded neighbours, think tanks, around the circumpolar region and beyond

Location: Toronto & Northern Branch in Iqaluit



ARCTIC360's MISSION

To elevate the national conversation about Canada's North and the Arctic region, and to provide an inclusive and coordinated platform for Canada to engage in Arctic discussions around the world.



The Beginning...



Kirkenes, Norway



**Every conversation about the Canadian North begins
and ends with the infrastructure deficit**



NORWAY'S ARCTIC POLICY

'[t]he Arctic will continue to be Norway's most important **area of strategic responsibility**...

[t]he region is **home to some of Norway's leading academic and research institutions** in areas such as marine research, fisheries and natural resource management,

climate change and environmental research, Arctic innovation and sustainable ocean-based industries.'



NORWAY'S ARCTIC POLICY

‘North Norway has a long tradition of sound and sustainable resource management and business activity...

[t]he Government will continue to facilitate innovation, entrepreneurship and start-ups in the north and will promote a well-functioning capital market.’



SWEDEN ARCTIC STRATEGY

'[k]nowledge is transformed into new products and services at **a number of world-leading innovation clusters around Sweden's Arctic region,**

but also by smaller actors and **small enterprises** in various sub supplier chains...

Arctic conditions like a cold climate and sparsely populated areas make it possible to provide effective test and demonstration environments for the development of the aviation, automotive and component industry, as well as outstanding space activities



ARCTIC360 LEADERSHIP TEAM



John English, Ph.D. (Board Co-Chair)

Director Emeritus, Bill Graham Centre for Contemporary International History and Co-Chair Arctic360, Co-Chair, Canadian International Council



Madeleine Redfern, LL.B. (Board Co-Chair)

Executive Director of the Northern Branch, Arctic360



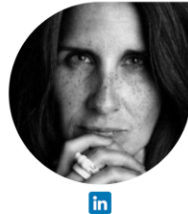
Jessica M. Shadian, Ph.D.

President and CEO, Arctic360



Darrell Beaulieu

Chief Executive Officer, Denendeh Investments



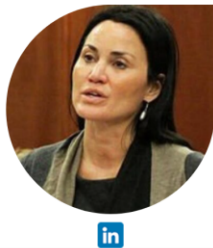
Nauja Bianco (Acting Board Secretary)

Executive Director, North Atlantic House & The Greenland House (Odense, Denmark)



Hugh Short

Co-Founder and Chairman/CEO, Pt. Capital



Lesil McGuire

J.D., Former Alaskan State Legislator, Partner at Arctic Advocacy Group, Alaska



Peter Garapick (Board Treasurer)

Director of Industry and Government Relations, Quark Expeditions and Member of Executive Committee, Arctic Expedition Cruise Operators (AECO)



Bob McLeod
Former Premier, NWT



ARCTIC360 ADVISORY BOARD

Partnership Committee

Trina Hiscock, Founder & Chief Simplifier, TRIA Consulting/Strategic Advisor to Arctic360

Rosemary Kuptana, Inuit Political Leader

Dan Pujdak, Chief Strategy Officer, Blackbird Strategies

Advisory Committee

Darron Bain, Managing Director, Concert Infrastructure

Clint Davis, Chief Executive Officer, Nunasi Corporation

Jim Gamble, Senior Arctic Program Officer, Pacific Environment, Anchorage, Alaska

Michael Gordon, Director General Kativik Regional Government (KRG)

Paul Gruner, Chief Executive Officer, Tahltan Nation Development Corporation (TNDC)

Tom Hofer, Executive Director, NWT & Nunavut Chamber of Mines

Inuuteq Holm-Olsen, Minister Plenipotentiary at the Greenland Representation to the EU in Brussels.

Elie Mouzon, Software Executive, ESG/HSE/GRC

Tom Paddon, Chair, Baffinland Iron Mines

David Ramsay, Former Minister, Dept of Industry, Tourism and Investment,
Gov't of the NW Territories; Board of Directors for Fortune Minerals

Alice Rogoff, MBA, Publisher, Arctic Today

Mead Treadwell, Co-Chair, Polar Institute, Wilson Center

Doug Turnbull, Vice Chairman and Country Head, Canada, DBRS Morningstar



ARCTIC360 FELLOWS



Pauline Baudu, M.A.
Europe, NATO, Arctic security
and climate change



Dr. Heather Exner-Pirot
Arctic resource development
and Indigenous equity partnerships



Ayoe Kristiansen, M.A.
Greenland and critical minerals



Dr. Hema Nadarajah
Asian states and the Arctic



Dr. Elana Wilson Rowe
Arctic cooperation, Russia, climate change



Dr. Rob Heubert
Arctic Security and Defence



Mark Brajer
Indigenous Economic Development



ARCTIC360: WORKING TOGETHER & LEARNING FROM ONE ANOTHER



AREAS OF FOCUS

- Multi-user multi-purpose Critical infrastructure & public-private-Indigenous partnership investments
- Critical minerals and the net zero economy
- Diplomacy and Geopolitics
- Arctic Innovation
- Canada-Greenland Relations
- North American Arctic



ARCTIC360 ACTIVITIES



INTRODUCING *BREAKING THE ICE*: DIVING INTO THE PEOPLE, POLITICS, AND ECONOMY OF THE NORTH AMERICAN ARCTIC.



Canada's North Reply to Canada Infrastructure Bank Legislative Review



Arctic Sovereignty & Security Summit

October 5th, 2022

Arctic Sovereignty & Security Summit



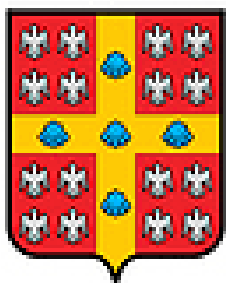
Canada's North: Reply to Natural Resources Canada Critical Minerals Strategy Discussion Paper

ARCTIC360 ANNUAL CONFERENCE



**3RD ANNUAL
CONFERENCE**
9-11 MARCH 2022

RESEARCH PROJECTS



UNIVERSITÉ
LAVAL

The WAGE Circumpolar
Partnership

CINUK

Canada-Inuit Nunangat-United
Kingdom Arctic Research Programme

Carving out Climate Testimony: Inuit Youth,
Wellness & Environmental Stewardship



BUILDING A CANADIAN VISION

FOR ARCTIC LEADERSHIP AND COOPERATION



MULTI-USER / MULTI-PURPOSE INFRASTRUCTURE

- **Social infrastructure**
- **Economic infrastructure**
- **Defence infrastructure**



[HOME](#) > [BUSINESS](#)

Bezos and Gates-Backed Mining Company Prepares to Drill in Greenland



A view of the Nuussuaq Peninsula from the town of Uummannaq. Drilling work is expected to be carried out at the Disko-Nuussuaq project



NORWAY'S ARCTIC POLICY

'[t]he Government will work to create a framework that **enables companies in North Norway** to further **realise their potential** in the years ahead **across a wide range of industries**: ocean-based industries, the maritime sector, petroleum, green power-intensive manufacturing, mineral extraction, agriculture, tourism, space infrastructure and the services sector...

[t]here is potential for **substantial value creation**, both onshore and offshore, and to **increase positive spin-off effects** by encouraging cooperation at various stages of the value chain'.



CANADA'S ARCTIC APPROACH



Canada's Territories Yearn for Better Internet

In Canada's north, internet is slower and more expensive than anywhere else in the country. Despite recent improvements, northern users say more action is needed before the system can truly help.

Related Articles

Iqaluit Mayor: Slow Internet Holds Back Canada's Eastern Arctic
May 22, 2017

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ENSURING THAT INVESTMENTS ARE BASED ON NEEDS OF THE NORTH AND SOUND BUSINESS CASES

The North is not an international aid project



Kugluktuk Windmill Project:

- Cost \$650,000
- Fuel Savings: \$43,000

We're Live in Ghana!

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[READ MORE ABOUT OUR PILOT](#)



HOW DO WE GO FROM

HERE

TO

HERE



CANADA'S NORTH: A REGION OF POTENTIAL



Hammerfest, Norway



Lulea Sweden*



Rovaniemi, Finland



Akureyri, Iceland



* author Andreas Harnemo

"[W]e need to know what we have. We need a comprehensive inventory of existing critical infrastructure with potential multi-use purposes [and] its state of repair/disrepair...

[w]e need a vision, so we need to have a sense of where we want to go.

Agreeing with Dr. Shadian, Madeleine Redfern proposed that defence-related investments should be complemented by 'a really fulsome infrastructure investment strategy that pulls in the private sector, from the mines to the investors, the northern and federal governments, and of course our Indigenous communities and peoples, who want to be part of that.'



A SECURE AND SOVEREIGN ARCTIC

Recommendation 5

‘That the **Government of Canada undertake a comprehensive survey of our infrastructure**, including military, civilian, and corporate holdings, as well as natural resources, mining and mineral operations in our Arctic for the purpose forward planning for NORAD modernization, **developing a strategy for critical infrastructure investments** and protecting Canadian interests from malign foreign actors.’



**‘You Can’t Be What You Can’t
See’**

- Marian Wright Edelman, founder of the children’s defense fund,
on the rights of black children



ARCTIC360 INTERACTIVE MAP: UNLOCKING THE POTENTIAL

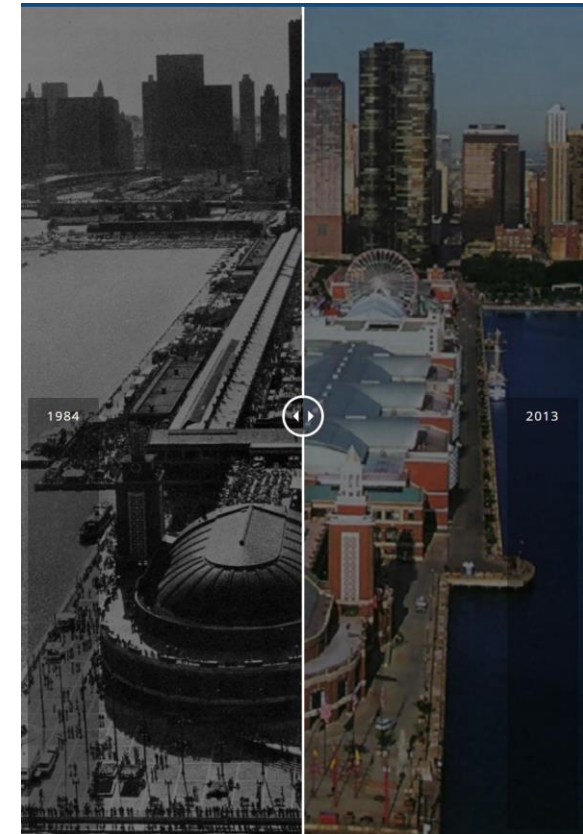
AUDIO/VISUAL DATA

WELSH

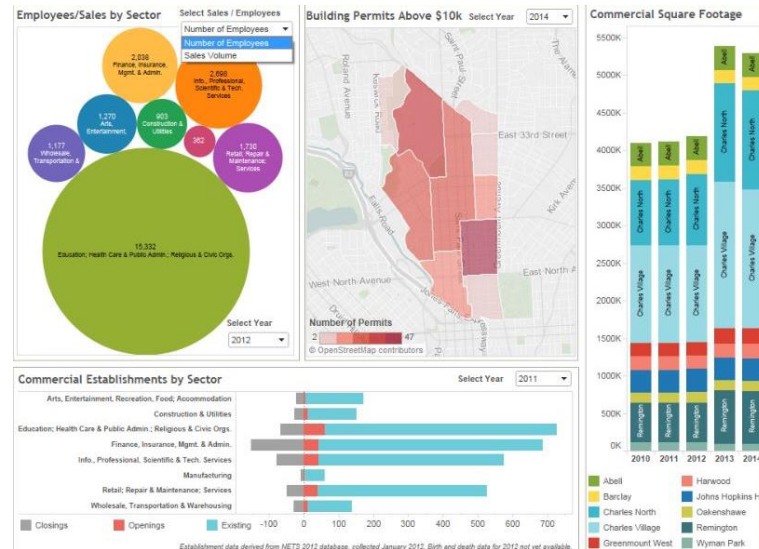
Successful Revitalization

With a language it's not just words. It's a way of life. America's Everling, Welsh part in 2005, the Welsh language, one of Europe's oldest living languages, had an increase in the number of speakers for the first time in many years, contrary to what the latest census from 2011 however shows a slight decrease in the percentage of speakers, a disappointing and unexpected finding. The Welsh language has official language status in Wales alongside English, and everything from road to supermarket signs is bilingual.

HISTORICAL 2020/2030/2041



INFRASTRUCTURE AND ECONOMIC DATA



MIT UNVEILS 3D PRINTED HOUSES FOR OTHER PLANETS

If MIT Can Build Houses on Other Planets, We Should Be Able To Build Affordable Houses in our Own North on Planet Earth



Lofgren, Kristine. 27 April 2017. 'MIT unveils new solar 3D printer that can build houses on other planets', InHabitat: <https://inhabitat.com/mit-unveils-newsolar-3d-printer-that-can-build-houses-on-other-planets/>

ARCTIC
360



WE CAN DO BIG THINGS WHEN WE HAVE THE WILL



The high-tech hunt for Canada's history in the Arctic

Canada Foundation for Innovation funded technology leading the search for the remains of the Franklin expedition

September 4, 2012



SAVE THE DATE



Arctic360
2024 Annual Conference
February 6 – 8, 2024
The Faculty Club, Toronto

Learn more at www.arctic360.org

