



uOttawa

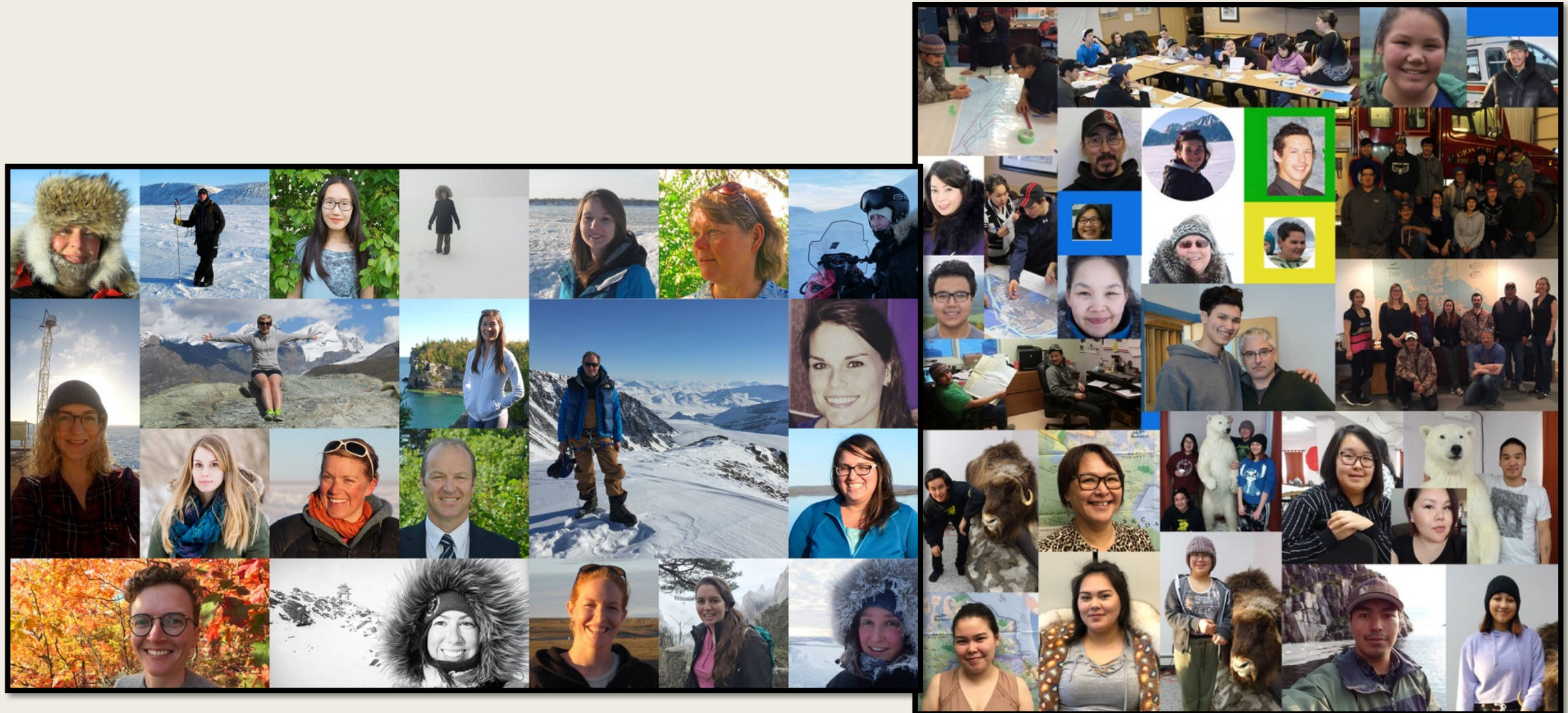
# ARCTIC CORRIDORS & NORTHERN VOICES RESEARCH

**Natalie Carter**

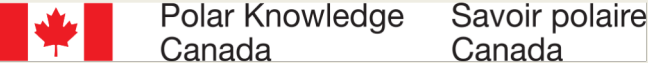
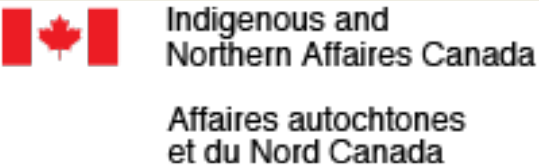
Jackie Dawson, Nicolien van Luijk, Melissa Weber,  
Alison Cook, Zuzanna Kochanowicz, Kayla Grey, Colleen Parker,  
Jennifer Provencher, Annika Ogilvie, Jenna Joyce

Department of Geography, Environment and Geomatics  
University of Ottawa

# ACKNOWLEDGEMENTS



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# ARCTIC CORRIDORS

## RESEARCH FOR POLICY ON SHIPPING GOVERNANCE IN ARCTIC CANADA

INTERACTIVE MAPS

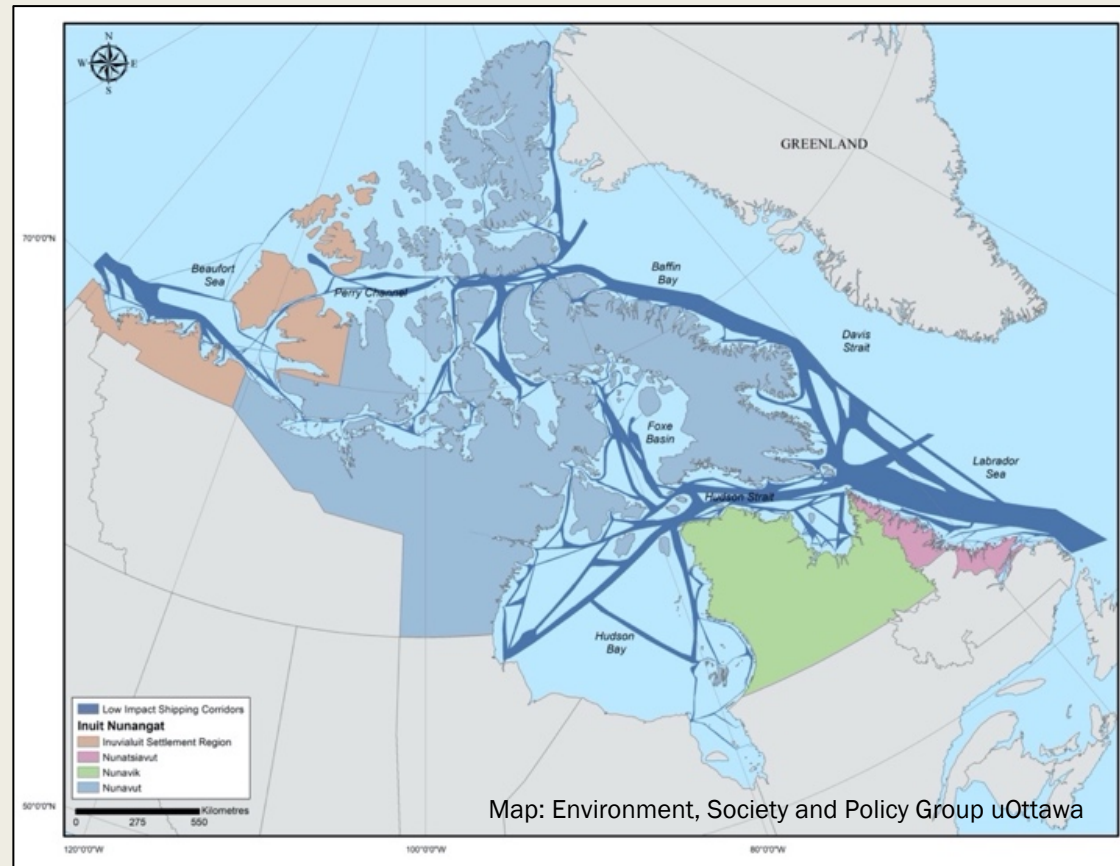
<https://www.arcticcorridors>

ca

# LOW IMPACT SHIPPING CORRIDORS

*“...while respecting the sensitive northern environment and its ecological and cultural significance”*

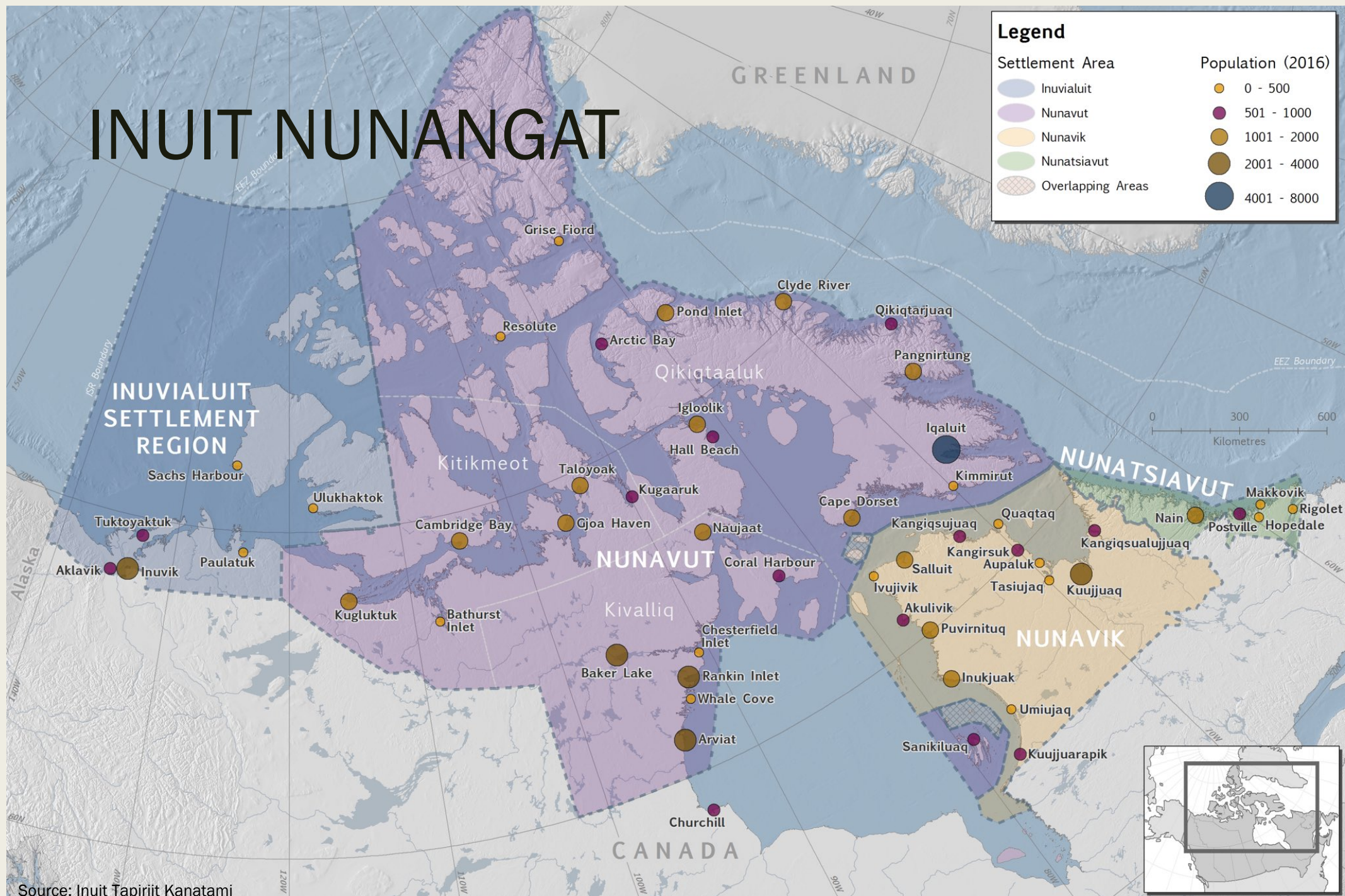
(Transport Canada, 2017)



# INUIT NUNANGAT

**Legend**

| Settlement Area   | Population (2016) |
|-------------------|-------------------|
| Inuvialuit        | 0 - 500           |
| Nunavut           | 501 - 1000        |
| Nunavik           | 1001 - 2000       |
| Nunatsiavut       | 2001 - 4000       |
| Overlapping Areas | 4001 - 8000       |

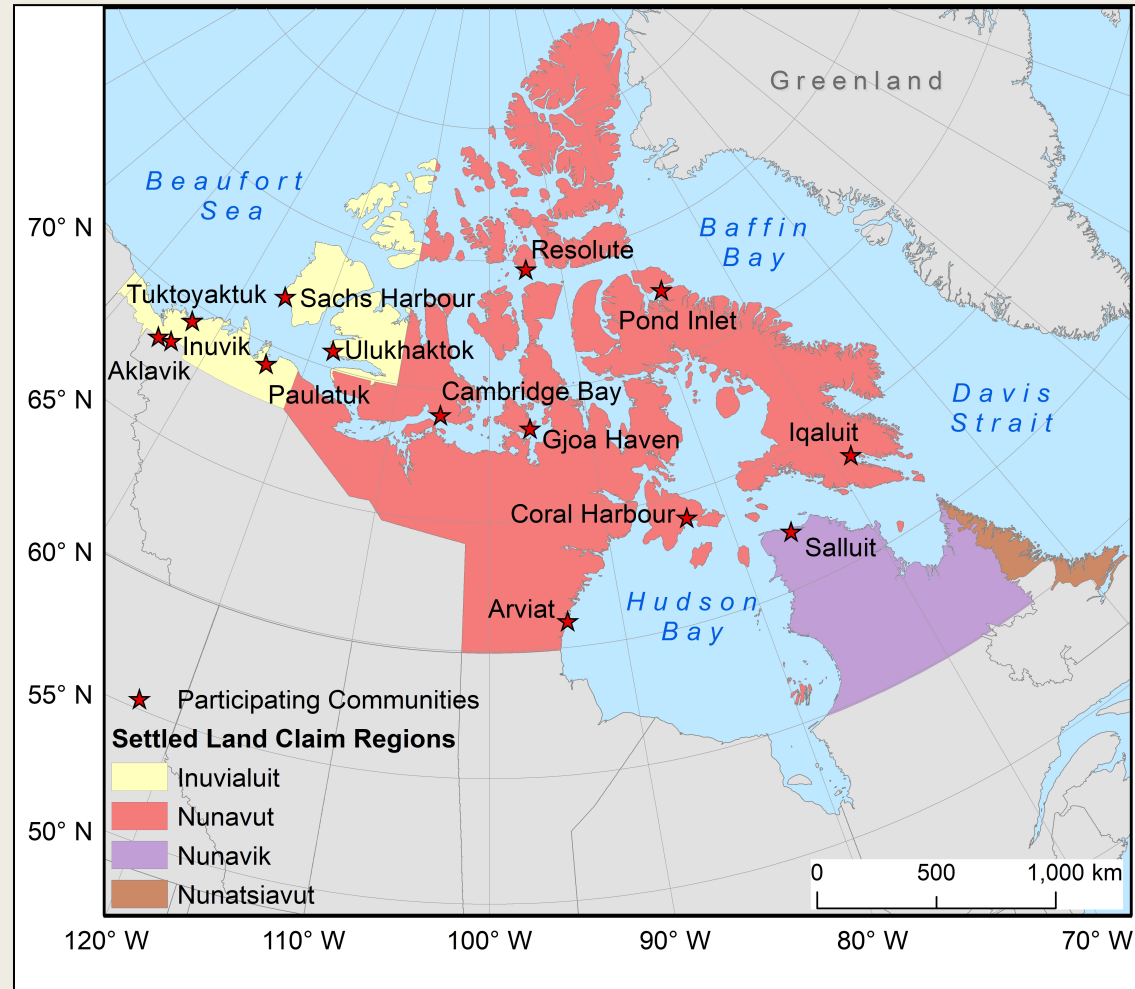


Source: Inuit Tapiriit Kanatami

# PROJECT GOALS

- Arctic shipping spatial trends database
- Concerns and opportunities, culturally significant marine areas
- Community-identified recommendations

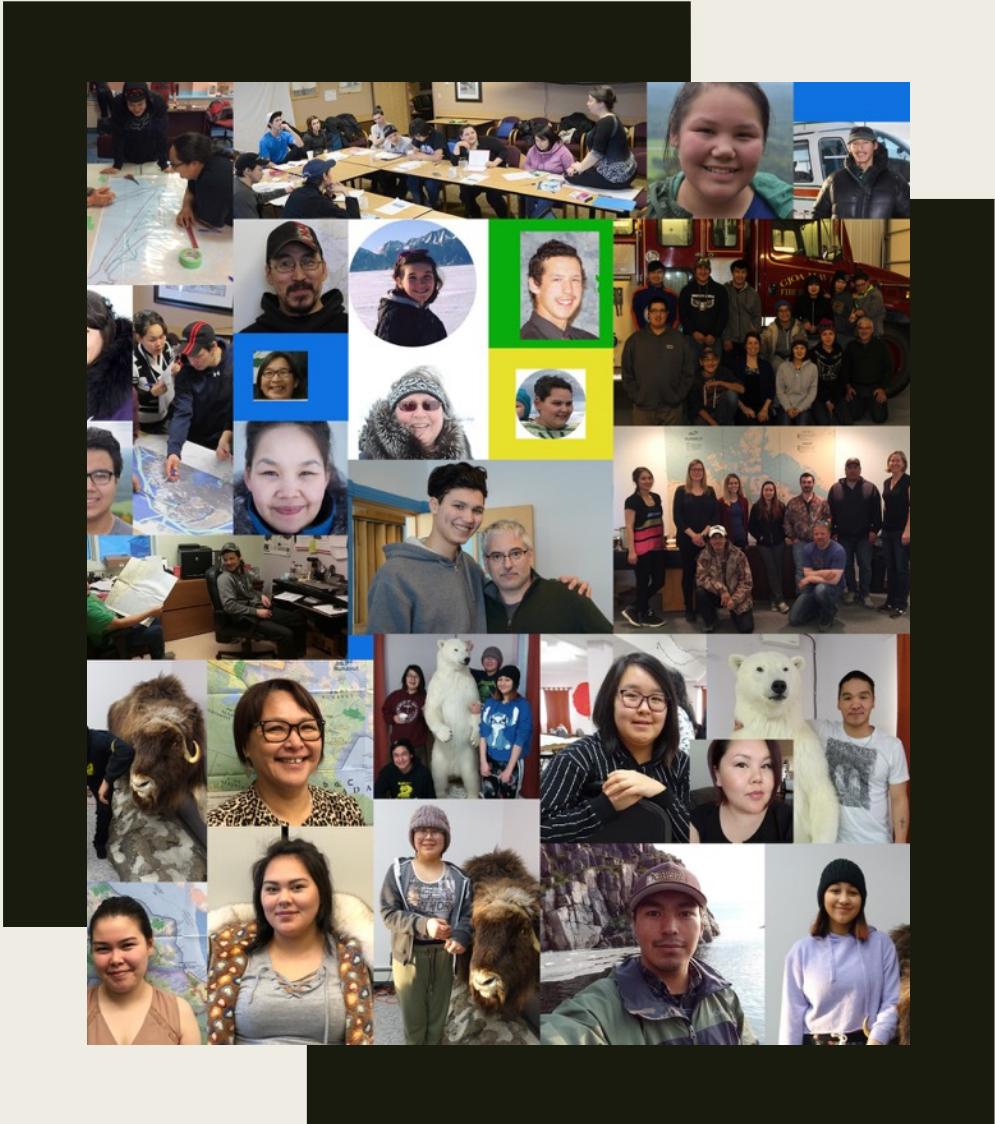
# 14 PARTNER COMMUNITIES



Dawson, J., Carter, N.A., van Luijk, N., Weber, M., & Cook, A. (2020). Community-based mapping methods for documenting Arctic community perspectives about shipping impacts and low-impact corridors. *MethodsX*. 7,101064

Photos: N. Carter, S. Elverum, J. Pitseolak, E. Solomon





# YOUTH COMMUNITY RESEARCHERS

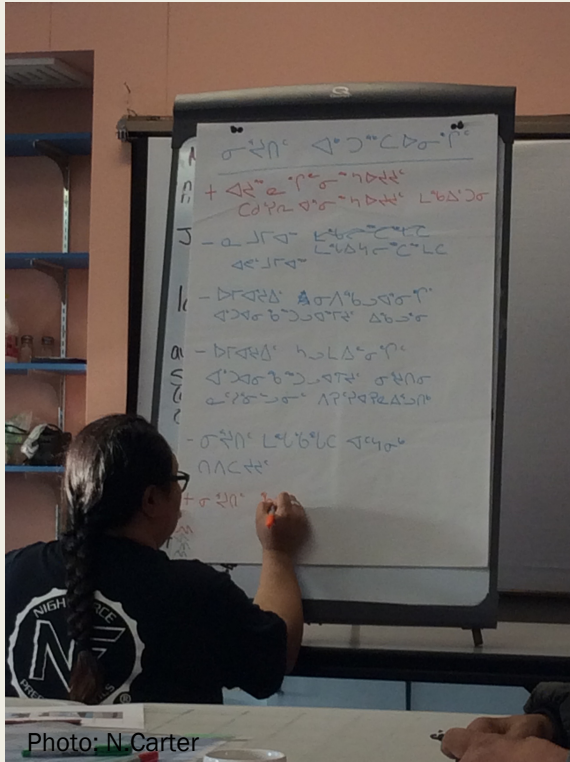


Photo: N. Carter



Photo: N. Carter

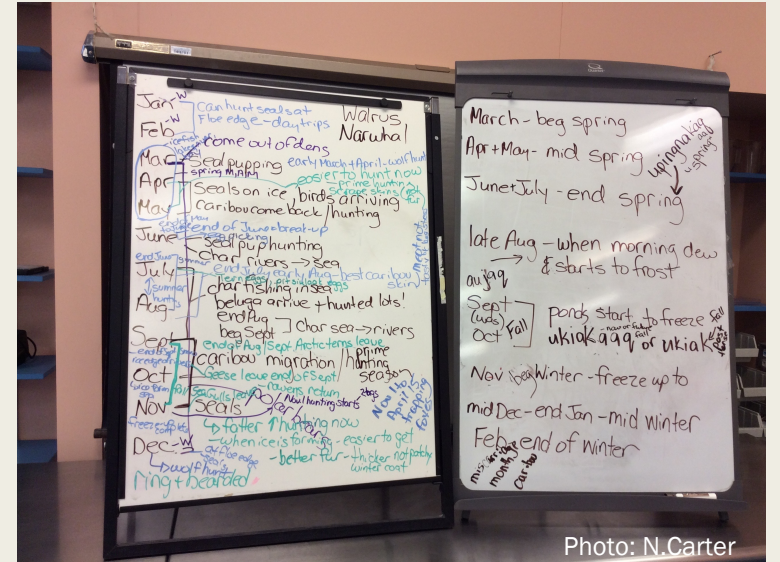


Photo: N. Carter

# 59 YOUTH COMMUNITY RESEARCHERS

# 14 COMMUNITY WORKSHOPS



Photo: Eric Guth/meetthenorth.org

Pond Inlet, Nunavut Workshop



Photo: N.Carter

Arviat, Nunavut Workshop

# CULTURALLY SIGNIFICANT MARINE AREAS

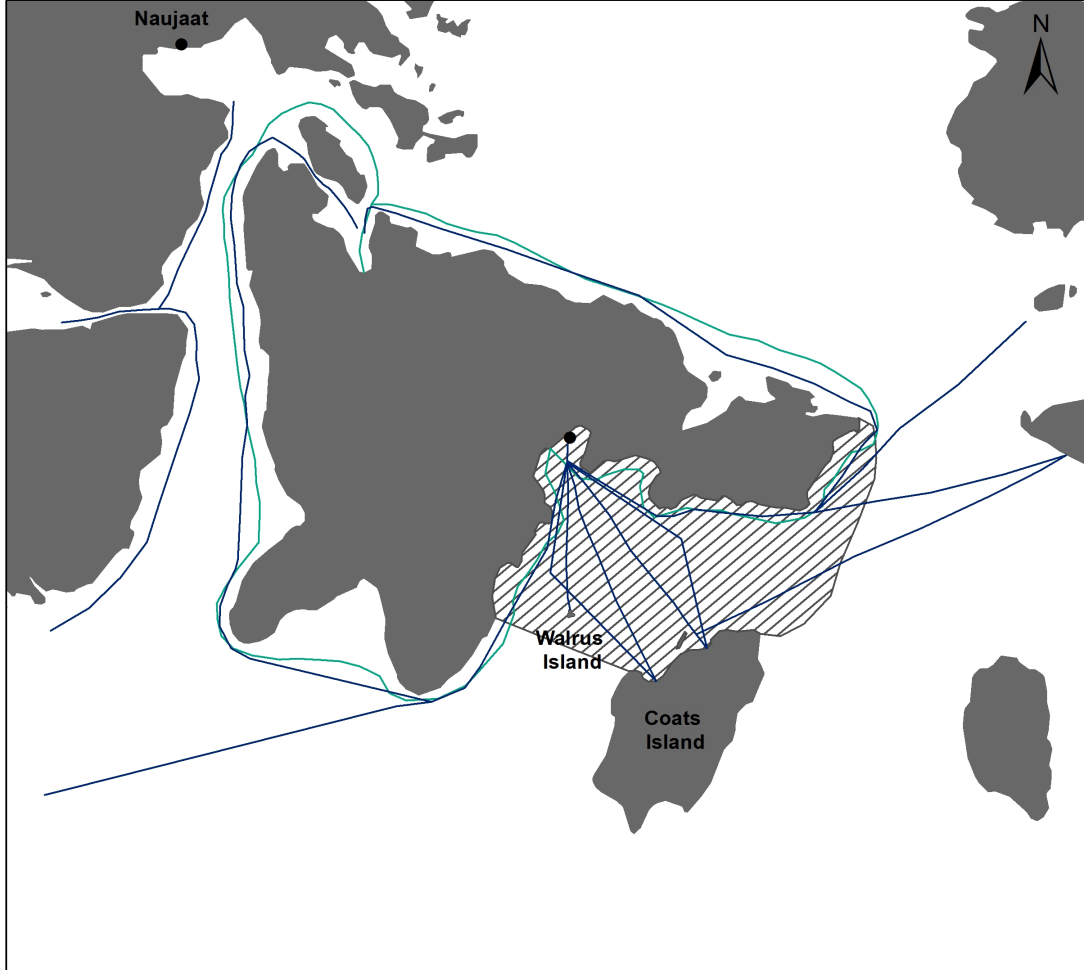


Carter, N.A., Dawson, J., and Weber, M. (2019). Arctic Corridors and Northern Voices: governing marine transportation in the Canadian Arctic (Coral Harbour, Nunavut community report). Ottawa: uOttawa.

0 20 40 80  
Kilometers

### Legend

- Past Walrus Haul out
- Walrus Haul out
- Walrus



0 25 50 100  
Kilometers

### Legend

- Travel Routes
- Occasional Travel Routes
- Travel Area



# WE ARE MARINE PEOPLE 365 DAYS PER YEAR



Photo:Summit photography

# MONEY CAN NOT REPLACE THE LOSS OF OUR ABILITY TO TRAVEL AND HUNT



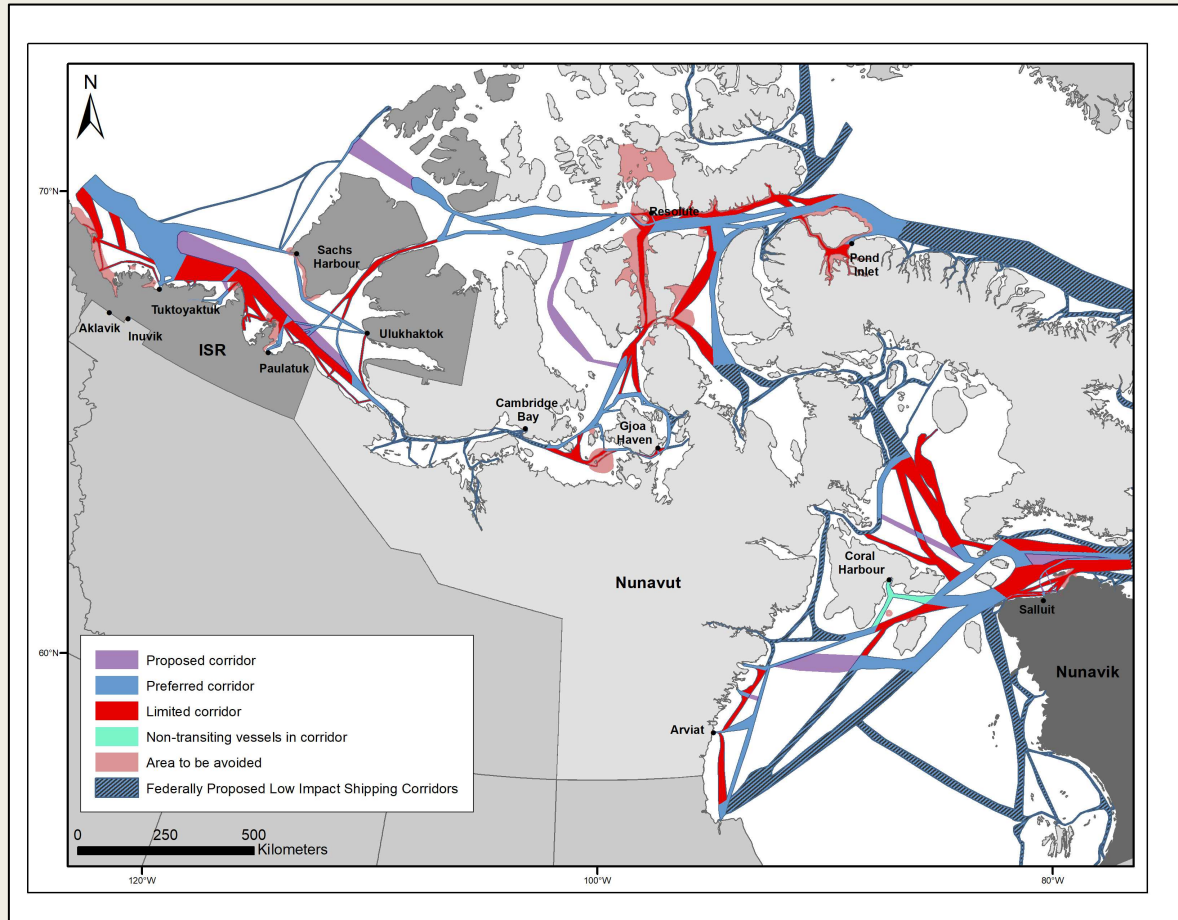
Public beach, Pond Inlet, Nunavut

THIS IS OUR FARM.  
THIS IS OUR GROCERY STORE.



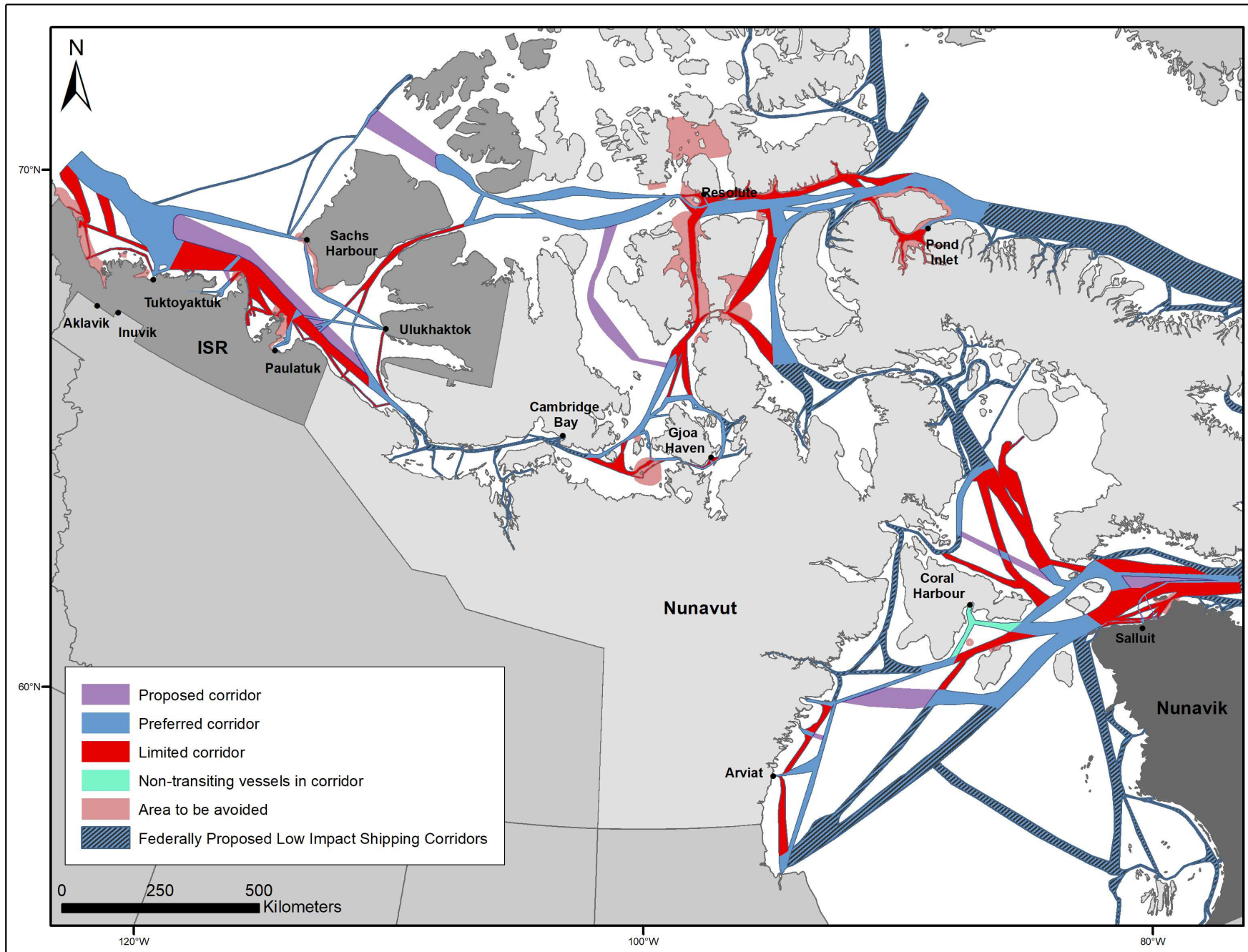
Photo: Natalie Carter

View from Pond Inlet, Nunavut of Bylot Island and iron ore carrier

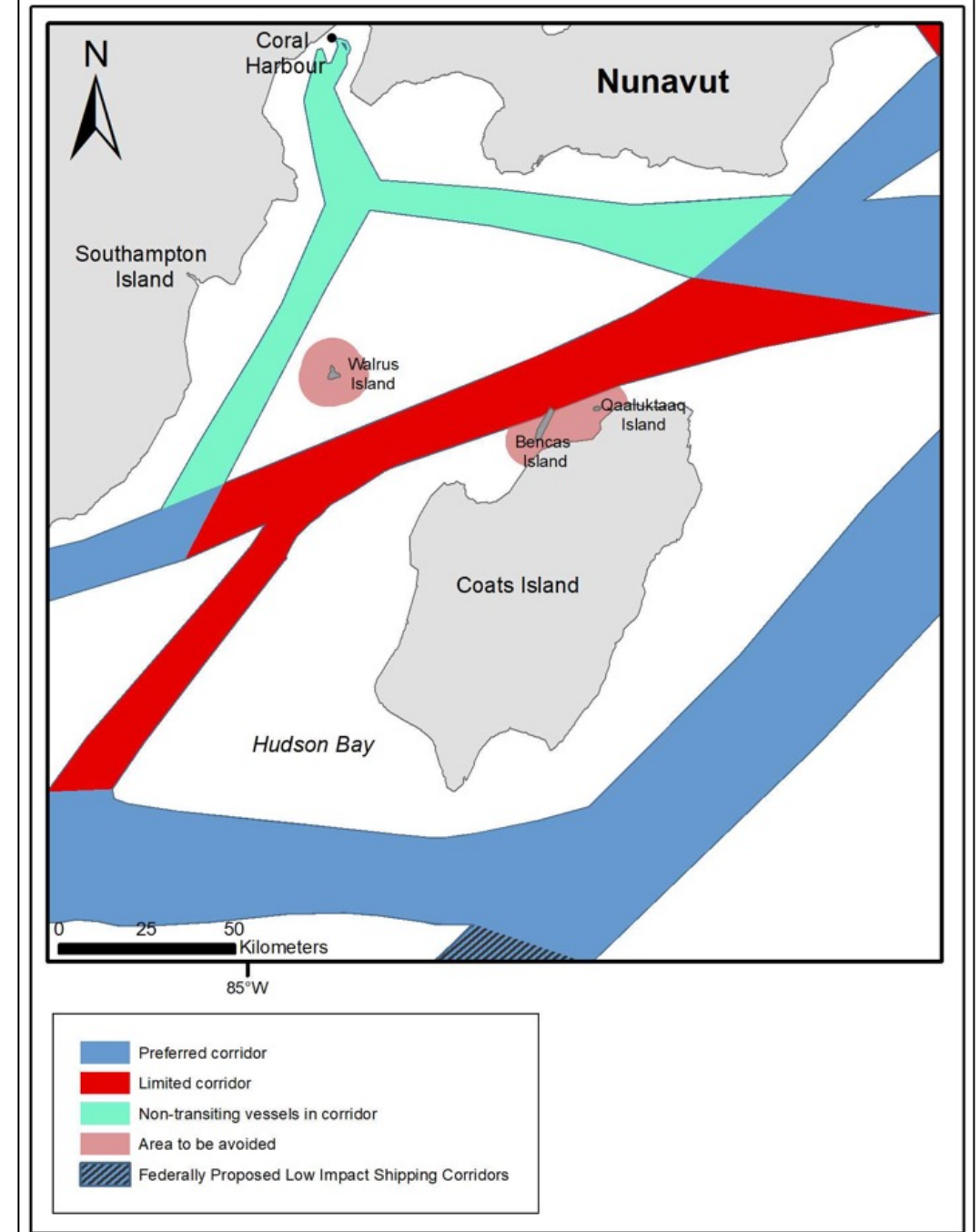
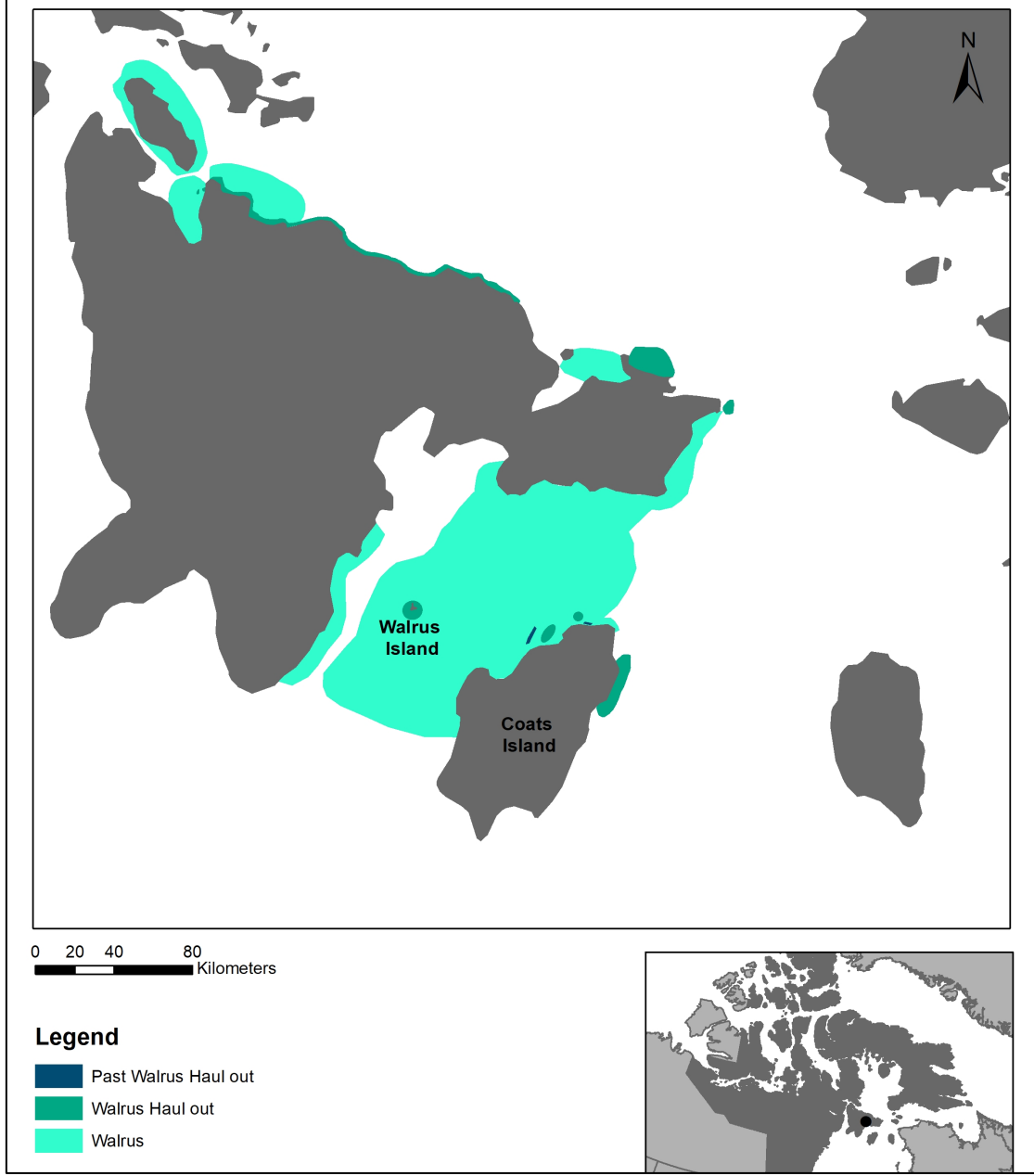


# COMMUNITY-IDENTIFIED RECOMMENDATIONS





Dawson, J., Carter, N., van Luijk, N., Parker, C., Weber, M., Cook, A., Grey, K., and Provencher, P. (2020). Infusing Inuit and local knowledge into the low impact shipping corridors: An adaptation to increased shipping activity and climate change in Arctic Canada. *Environmental Science and Policy*. 105:19-36.

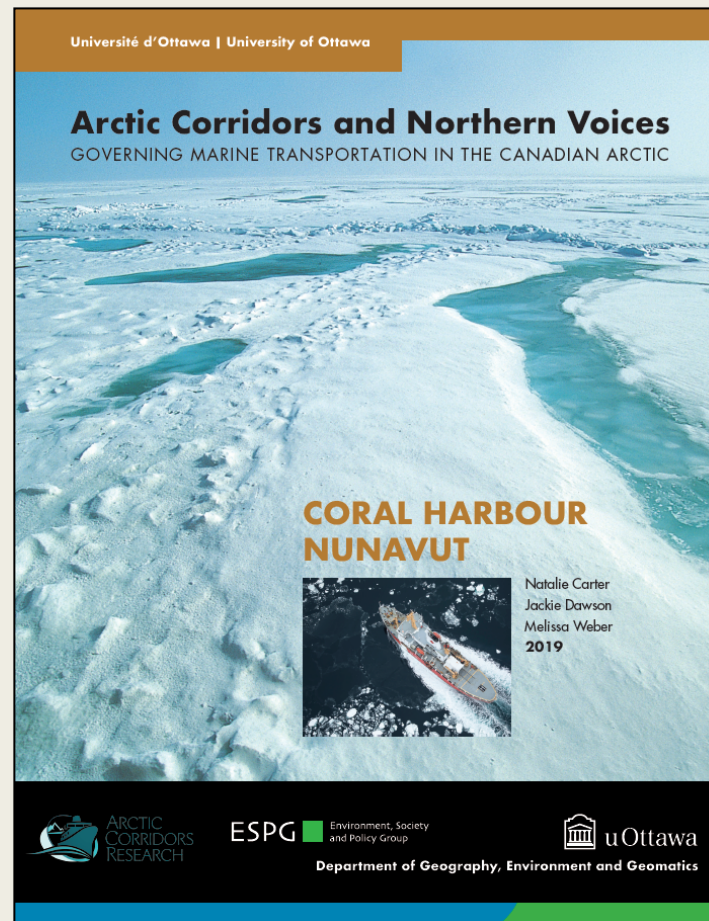
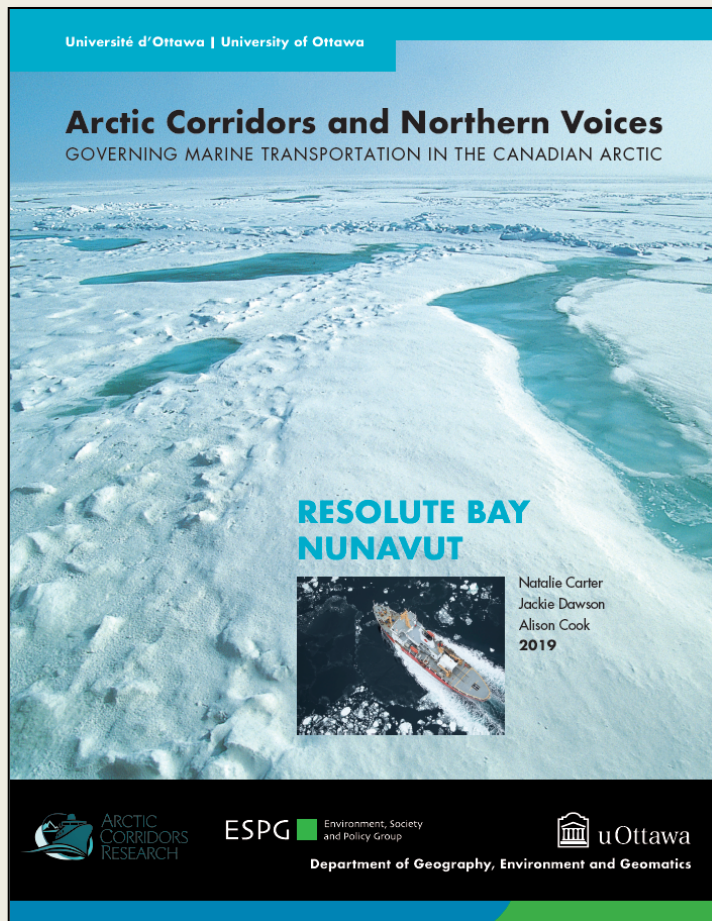


Dawson, J., Carter, N., van Luijk, N., Parker, C., Weber, M., Cook, A., Grey, K., and Provencher, P. (2020). Infusing Inuit and local knowledge into the low impact shipping corridors: An adaptation to increased shipping activity and climate change in Arctic Canada. *Environmental Science and Policy*. 105:19-36.

# COMMUNITY-IDENTIFIED RECOMMENDATIONS

- Communication
- Local expertise, knowledge
- Preparedness
- Research, monitoring
- Ongoing discussions
- Governance
- Inclusion

# IMPACTFUL RESULTS SHARING



MethodX 7 (2020) 101064

Contents lists available at ScienceDirect

**MethodsX**

ELSEVIER journal homepage: [www.elsevier.com/locate/mex](http://www.elsevier.com/locate/mex)

Method Article

**Arctic corridors and northern voices project: Methods for community-based participatory mapping for low impact shipping corridors in Arctic Canada**

Jackie Dawson\*, Natalie Ann Carter, Nicolien van Luijk, Melissa Weber, Alison Cook

*Department of Geography, Environment and Geomatics, University of Ottawa, Canada*

**ABSTRACT**

Documenting Inuit and local knowledge is critical to its consideration within policy discussions around Arctic shipping; especially considering the rapid increase in ship traffic due to reductions in sea ice and climate change. We present our unique community-based research approach which incorporated youth training, participatory mapping, qualitative focus group discussions, and verification exercises to document Inuit communities' perspectives in Arctic Canada about Low Impact Shipping Corridors. These qualitative activities provided appropriate context and understanding around community-created maps, community-identified opportunities, concerns, and recommendations, and the policy relevance and feasibility of recommendations posed. Three activity phases were employed: 1) before engaging in in-community research, 2) during in-community research, and 3) after completing in-community research. Spatial and non-spatial data were analyzed using ArcGIS® and NVivo software, respectively. These methods and observations can inform future research initiatives, particularly transdisciplinary teams, including those involving southern-based (early career) researchers, working in Inuit Nunangat.

- Methods presented here ensured that scientific processes and outputs were robust and rigorous and research was conducted in a respectful, reciprocal manner.
- Only through the collaborative efforts of a transdisciplinary team could scientific rigour be attained and respect be afforded.

Open access at <https://www.arcticcorridors.ca>



# ARCTIC CORRIDORS

## RESEARCH FOR POLICY ON SHIPPING GOVERNANCE IN ARCTIC CANADA

INTERACTIVE MAPS

<https://www.arcticcorridors.ca>

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