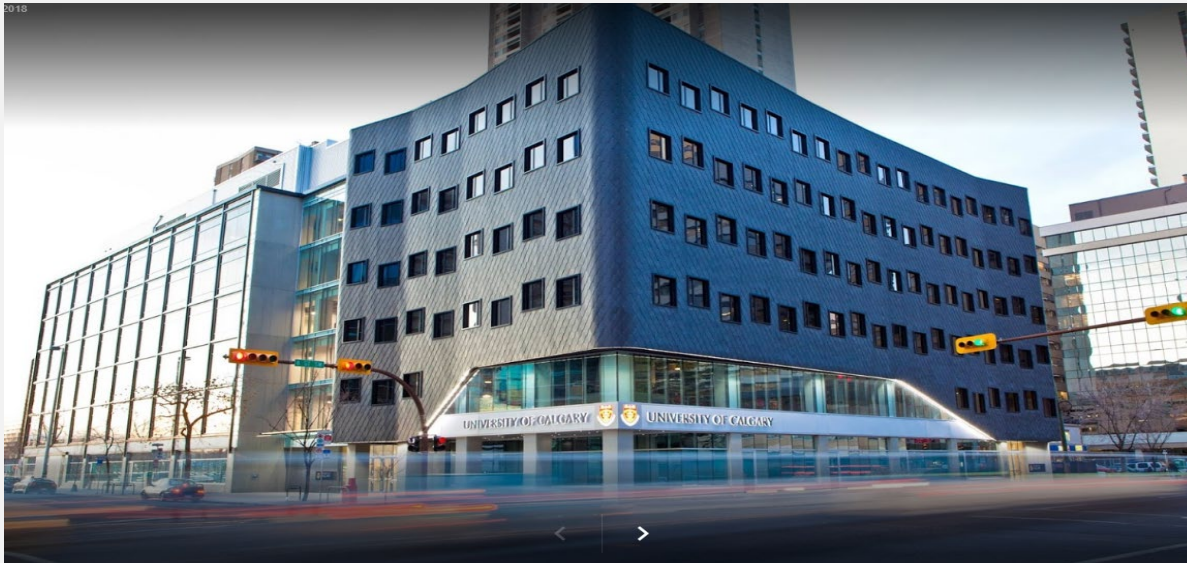


# THE CANADIAN NORTHERN CORRIDOR PLANNING FOR NATIONAL PROSPERITY



Presentation to  
Northern Policy Institute

Date: March 3, 2022

Presenter: Dr. Jennifer Winter

[www.canadiancorridor.ca](http://www.canadiancorridor.ca)

## ABOUT US

### Where

- National program led by the School of Public Policy, University of Calgary

### Who

- Researchers & subject matter experts
- Across Canada and international experts

### How

- Academically led
- Peer-reviewed
- Infrastructure, industry or route agnostic
- Theory- and engagement-based research

### Affiliations and Support

- Senate endorsed
- No affiliation with industry or advocacy groups
- Arms-length research funding

## PROGRAM AND CORRIDOR CONCEPT: OVERVIEW

We are investigating the *feasibility, desirability and acceptability* of:

- 1) a connected series of infrastructure corridors throughout Canada
- 2) the process, regulation and governance structures that would support it



## MULTIMODAL INFRASTRUCTURE CORRIDORS



**Contain infrastructure that supports the movement of people, goods, services and information regionally and internationally.**

**Examples: roads, rail, electricity transmission, communications, pipelines, seaport and airport access.**

## OUR GOALS

- **Develop objective, inclusive and comprehensive information and analysis on the corridor concept, focussed on 3 aspects:**

### Feasibility

The physical and financial viability of the Corridor Concept.

### Desirability

Stakeholders' perceived benefits and costs related to the Corridor Concept.

### Acceptability

Stakeholder conditions that must be met to support the Corridor Concept.

**Foster informed and meaningful dialogue and decision-making on infrastructure and corridor planning and development.**

## STAKEHOLDERS

- **Communities**
  - (Indigenous and Non-Indigenous)
- **Governments**
  - (Federal, Provincial, Municipal, Territorial, Indigenous)
- **Industry**
  - (Transportation, Energy, Telecommunications, Tourism, Resources)
- **Non-Governmental Organizations**
  - (Social, Environmental)

# MID AND NORTHERN CANADA INFRASTRUCTURE PLANNING AND DEVELOPMENT– GAPS

- No long-term national infrastructure planning and development in (middle and Northern) Canada.
  - Current planning is not strategic,
  - Current planning is not integrated (across modes or regions)

*This presents challenges to Canada's social and economic prosperity, unity and security. We are missing important opportunities to address these issues.*

# MID AND NORTHERN CANADA INFRASTRUCTURE PLANNING AND DEVELOPMENT– OPPORTUNITIES

- **Expand and diversify internal and external trade opportunities.**
  - Improve access to shifting international markets
  - Reduce interregional trade barriers.
- **Facilitate development to improve quality of life for remote Indigenous and non-Indigenous communities.**



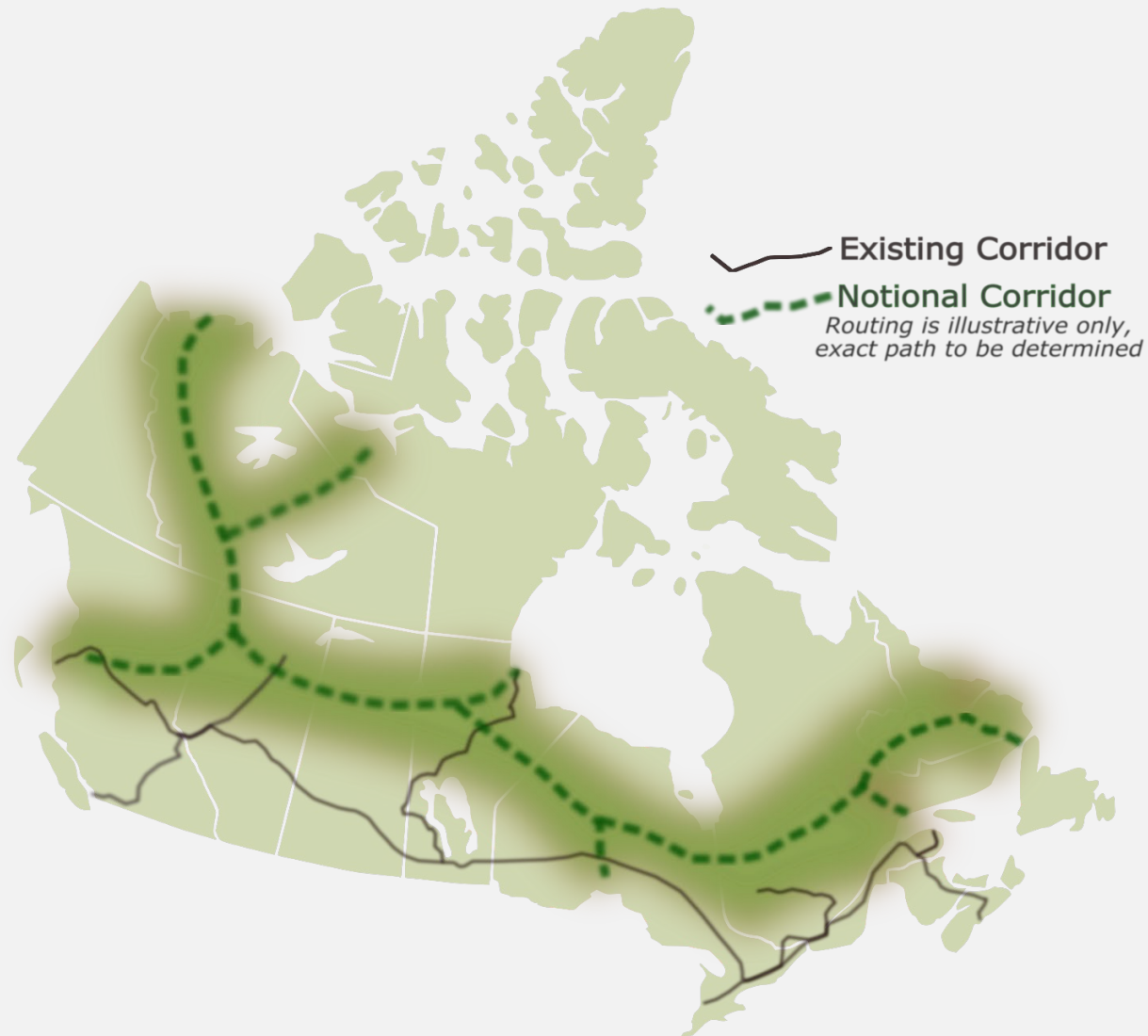
# MID AND NORTHERN CANADA INFRASTRUCTURE PLANNING AND DEVELOPMENT– OPPORTUNITIES

- **Advance northern security and sovereignty objectives.**
- **Reduce environmental footprints and facilitate an energy transition.**
- **Prepare for climate change and support infrastructure resilience.**

# RATIONALE FOR CORRIDORS AS A POSSIBLE SOLUTION

Experience suggests infrastructure corridor networks can address multiple national needs and goals.





**Could the Corridor  
Concept address the  
critical challenges facing  
Canada's communities,  
regions and nation?**

## CORRIDORS AS A POSSIBLE SOLUTION

- **Advancing integration of individual infrastructure projects and long-term infrastructure planning.**
  - **Improve efficiency, reduce bottlenecks, and enhance resilience.**
    - savings through corridor sharing,
    - a smaller environmental footprint, and
    - better integration with the southern infrastructure networks.

## CORRIDORS AS A POSSIBLE SOLUTION

- **Improving the economics and incentives for national infrastructure development.**
  - **Reducing project approval costs and delays, with lesser uncertainty around regulatory approvals and governance.**
- **Improving adaptation to climate change with flexibility to accommodate new types of infrastructure**

# RESEARCH PROGRAM

1. Research reports spanning eight thematic areas
2. Engagement sessions with Indigenous and non-Indigenous:
  - Communities
  - Businesses
  - Governments
  - NGOs
3. Knowledge sharing (mobilization and dissemination)

## *Research Themes*

- *Strategic and Trade Dimensions*
- *Funding and Financing*
- *Legal and Regulatory*
- *Organization and Governance*
- *Geography and Engineering*
- *Economic Outcomes*
- *Social Benefits and Costs*
- *Environmental Impacts*

## ENGAGEMENT

- **Roundtables**
  - **17 virtual sessions with governments, NGOs and industry.**
- **Communities**
  - **Sessions with 19 communities across middle and Northern Canada featuring in-person and virtual sessions and activities.**
- **Implementation**
  - **Cascade Projects, an Indigenous owned firm, is our strategic partner in organizing and executing the roundtables and community engagement activities.**

## RESEARCH PROGRAM'S KEY QUESTIONS

**We are seeking perspectives on the Corridor Concept. Particularly:**

- **Needs, interests and priorities**
- **Barriers, challenges and gaps**
- **Benefits and risks**
- **Opportunities**



**FOR ALL OF OUR RESEARCH REPORTS, WEBINARS,  
EVENTS ETC. GO TO:**

**[www.canadiancorridor.ca](http://www.canadiancorridor.ca)**

**&**

**[www.policyschool.ca](http://www.policyschool.ca)**

**THANK YOU.**

# APPENDIX

Activity to-date

## ROUNDTABLES

- RT1: Municipal Governments (West) - January 25, 2021
- RT2: Provincial Governments (West) – February 8, 2022
- RT3: Provincial Governments (East) – February 22, 2022
- RT4: Municipal Governments (East) - March 8, 2021
- RT5: Municipal Governments (North) – March 15, 2022
- RT6: Environmental NGOs – March 22, 2022
- RT7: Social NGOS – March 29, 2022
- RT8: Industry 1 – Transportation – April 5, 2022
- RT9: Industry 2 – Energy – April 19, 2022
- RT10: Territorial Governments - April 26, 2021
- RT11: Industry 3 – Telecommunications – May 3, 2022
- RT12: Industry 4 – Tourism – May 17, 2022
- RT13: Industry 5 – Natural Resources – May 31, 2022
- RT14: Finance and Indigenous Finance – June 14, 2022
- RT15: Indigenous Government (West) - TBD
- RT16: Indigenous Government (East) - TBD
- RT17: Indigenous Government (North) - TBD

## COMMUNITY ENGAGEMENT

<https://cncengage.ca/>

- High Level, AB (virtual) – March 2, 2022
- Thunder Bay, ON (virtual) – March 10, 2022
- Timmins, ON (virtual) – March 16, 2022
- Prince Rupert, BC (virtual) – March 30, 2022
- Thompson, MB (TBC) – April 5, 2022
- Churchill, MB (TBC) – April 7, 2022
- Fort McKay First Nation, AB (TBC)
- Wha Ti First Nation, NT (TBC)
- Norman Wells, NT (TBC)
- Tutoyaktuk, NT (TBC)
- Kuglutuk, NU (TBC)
- Rankin Inlet, NU (TBC)
- Clearwater River First Nation, SK (TBC)
- Pic River First Nation, ON (TBC)
- Sept Iles, QC (TBC)
- Kuujjuaq, QC (TBC)
- Whitehorse, YK – July 7, 2022
- Happy Valley-Goose Bay, NFLD (TBC)
- Prince Rupert, BC (TBC)

## PUBLISHED RESEARCH – POLICY PAPERS

- Andrei Sulzenko and G. Kent Fellows, May 2016: [Planning for Infrastructure to Realize Canada’s Potential: The Corridor Concept](#)
- G. Kent Fellows and Trevor Tombe, March 2018: [Gains from Trade for Canada’s North: The Case for a Northern Infrastructure Corridor](#)
- G. Kent Fellows and Trevor Tombe, June 2018: [Opening Canada’s North: A Study of Trade Costs in the Territories](#)
- Brendan Boyd and Sophie Loreface, August 2019: [Understanding Consultation and Engagement with Indigenous Peoples in Resource Development](#)
- Katharina Koch, June 2020: [Infrastructure Policy Trends: The Digital Divide and the Lack of Broadband Access During COVID-19](#)
- G. Kent Fellows and Alaz Munzur, July 2020: [Infrastructure Policy Trends: A Canary in Panda’s Clothing?](#)
- David Wright, October 2020: [Cross-Canada Infrastructure Corridor, the Rights of Indigenous People and “Meaningful Consultation”](#)
- Anthony Boardman, Mark Moore, and Aidan Vining, October 2020: [Financing and Funding Approaches for Establishment, Governance and Regulatory Oversight of the Canadian Northern Corridor](#)
- Tristan Pearce, James Ford, and David Fawcett, November 2020: [Climate Change and Implications for the Proposed Canadian Northern Corridor](#)
- Andrei Sulzenko and Katharina Koch, November 2020: [Governance Options for a New Northern Corridor](#)
- G. Kent Fellows, Katharina Koch, Alaz Munzur, Robert Mansell and Pierre-Gerlier Forest, December 2020: [The Canadian Northern Corridor: Planning for National Prosperity](#)
- J. P. Rodrigue, February 2021: [Constraints in the Canadian Infrastructure Grid](#)
- Trevor Tombe, Alaz Munzur, and G. Kent Fellows, February 2021: [Implications of an Infrastructure Corridor for Alberta's Economy](#)
- P. Whitney Lackenbauer and Katharina Koch, August 2021: [Northern and Arctic Security and Sovereignty: Challenges and Opportunities for a Northern Corridor](#)
- Alaz Munzur, December 2021: [Mackenzie Valley Gas Pipeline in Retrospect](#)
- Alaz Munzur, December 2021: [Infrastructure Policy Trends: Critical Mineral Mining in Canada](#)
- Alaz Munzur, January 2022: [Existing and Pending Infrastructure Projects: Potential Compatibility with the Canadian Northern Corridor](#)
- Frédéric Lasserre, February 2022: [Canadian Arctic Marine Transportation Issues, Opportunities and Challenges](#)
- Dwight Newman, forthcoming, Key Constitutional Issues Relevant to the Canadian Northern Corridor
- André Le Dressay, Jason Calla, and Jason Reeves, forthcoming, Reducing Transaction Costs on Infrastructure Corridor Projects in Canada

## PUBLISHED RESEARCH – ACADEMIC ARTICLES

### *Academic Publications*

- G. Kent Fellows, Michelle Patterson, Amy MacFarlane, Lukas Marriot, Andrew Carrothers and Jurgen Krause, August 2018: [Economic loss analysis to Prince Edward Island resulting from a prolonged closure of the Confederation Bridge](#), *Canadian Journal of Regional Science*
- Brendan Boyd and Sophie Lorefice, December 2018: [Understanding Consultation and Engagement with Indigenous Peoples in Resource Development: A Policy-framing approach](#), *Canadian Public Administration*
- Katharina Koch, October 2021: [Nordicity and its Relevance for Northern Canadian Infrastructure Development](#), *Polar Geography*

## WEBINAR SERIES

<https://www.canadiancorridor.ca/the-research-program/events-and-webinars/>

- *The Canadian Northern Corridor Concept* | G. Kent Fellows, Katharina Koch & Alaz Munzur | November 12, 2020
- *Climate Change and Implications for the proposed Canadian Northern Corridor* | Tristan Pearce & James D. Ford | November 19, 2020
- *Financing and Funding Approaches for Establishment, Governance and Regulatory Oversight of the Canadian Northern Corridor* | Anthony Boardman, Aidan Vining and Mark Moore | November 26, 2020.
- *Cross-Canada Infrastructure Corridor, the Rights of Indigenous Peoples and ‘Meaningful Consultation’* | David Wright | December 1, 2020
- *Governance Options for a New Northern Corridor* | Andrei Sulzenko and Katharina Koch | December 10, 2020
- *Constraints in the Canadian Transport Infrastructure Grid* | Jean-Paul Rodrigue | March 10, 2021
- *Implications of an Infrastructure Corridor for Alberta’s Economy* | Trevor Tombe, Kent Fellows and Alaz Munzur | March 17, 2021
- *Northern and Arctic Security and Sovereignty: Challenges and Opportunities for a Northern Corridor* | P. Whitney Lackenbauer and Katharina Koch | October 2021
- *Canadian Arctic Marine Transportation: Issues, Opportunities and Challenges* | Frédéric Lasserre | February 8, 2022
- *Key Constitutional Issues Relevant to the Canadian Northern Corridor* | Dwight Newman | February 24, 2022
- *Reducing Transaction Costs on Infrastructure Corridor Projects in Canada* | André Le Dressay | March 16, 2022

## OTHER RESEARCH IN PROGRESS – POLICY PAPERS

- *Canadian Nation-Building Infrastructure in the 21<sup>st</sup> Century* | A. Munzur & K. Koch
- *Differentiating the Canadian North for Coherent Infrastructure Development* | K. Koch
- *Infrastructure Policy Trends: Global Rare Earth Elements Market* | A. Munzur
- *An Overview and Assessment of Major Engineering Challenges in Canada's North and Near North* | G. Doré, E. Stephani & J. Malenfant-Lepage
- *Canada's Long-Term Trade Patterns and Potential Gains from Transportation Options* | A. Munzur
- *Climate Change Adaptation Strategies for Existing and Planned Infrastructure in the Canadian North* | J. Birchall, S. Kehler & N. Bonnett
- *Implications of a Northern Corridor on Soft Infrastructure in the North and Near North* | J. Christensen
- *Community-based Environmental Monitoring for Meaningful Incorporation of Indigenous and Local Knowledge within the Context of the Canadian Northern Program* | E. Sidorova & L. Alvarado
- *Climate Change and The Feasibility of Infrastructure Development for a Canadian Northern Corridor* | T. Pearce
- *Funding And Financing Of Infrastructure Corridor Projects: Examples From Other Jurisdictions* | D. Large, A. Teymouri
- *Indigenous Landownership and the Crown in Australia: Lessons for a Canadian Northern Corridor* | S. Mascher
- *Species And Areas Under Protection And Infrastructure Development In Canada's North and Near North* | S. Vamosi
- *Indigenous Land Ownership And Title In Canada: Implications For A Northern Corridor* | C. Metcalf



## ADDITIONAL PLANNED POLICY PAPERS

- Canadian competitiveness for infrastructure investment
- Corridor economic impacts on Northern food costs and security
- Air connectivity and airport infrastructure in Northern Canada
- Opportunities for Indigenous agency in corridor development
- Financing and tolling for micro-systems to advance Northern electrification
- Regulatory alignment for multi-modal infrastructure corridors
- The use of Indigenous languages as a tool for meaningful engagement with Indigenous governments and communities

## OTHER RESEARCH IN PROGRESS – ACADEMIC ARTICLES

- *The Territorial and Socio-Economic Characteristics of the Digital Divide in Canada* | Katharina Koch
- *Public Interest Determination in Environmental Decision-making* | Victoria Goodday, Jennifer Winter & Alana Westwood
- *Tracking Canada's Nation-Building Efforts through Infrastructure Development* | Alaz Munzur & Katharina Koch
- *General Equilibrium Impacts of Reducing Infrastructure Related to Trade Costs in Canada's Territories* | Trevor Tombe & G. Kent Fellows
- *Social and Private Benefits of the All-Season Inuvik-Tuktoyaktuk Highway* | G. Kent Fellows, Alaz Munzur & Jennifer Winter
- *Optimal routing of wide multi-modal energy and infrastructure corridors* | Mehdi Salamati, Xin Wang, Hamid Zareipour & Jennifer Winter
- *Supply Chain Design in Canada's North* | Osman Alp & Meraj Ajam
- *Mapping Canadian Northern Territories' Connection to the World* | Ari Van Assche
- *Hazardous Materials Transportation and Supply Chain Risk Management* | Nathalie de Marcellis-Warin
- *Les infrastructures du nord du Québec : bilan des développements passés et des projets (Québec's Northern Infrastructure: Taking Stock of Past Developments and Plans)* | Marcelin Joanis & Thomas Stringer
- *Using Data Mining Techniques for a Marine Traffic Assessment* | Thierry Warin
- *The Role of Infrastructure in Northern Food Insecurity* | Daniel Dutton & G. Kent Fellows
- *The Securitization of the Arctic in the context of China's Polar Silk Road Initiative* | Evgeniia Sidorova & Katharina Koch
- *Local Wisdom: Traditional Ecological Knowledge in Arctic Politics* | Evgeniia Sidorova
- Knowledge co-production and resource extraction: Analysis of TEK documentation and incorporation in resource extractive regions in northern Canada, Alaska and northeastern Siberia | Evgeniia Sidorova