

# Will North America Lose the New Arctic?

John Higginbotham

Inuvik AEET, June 2018

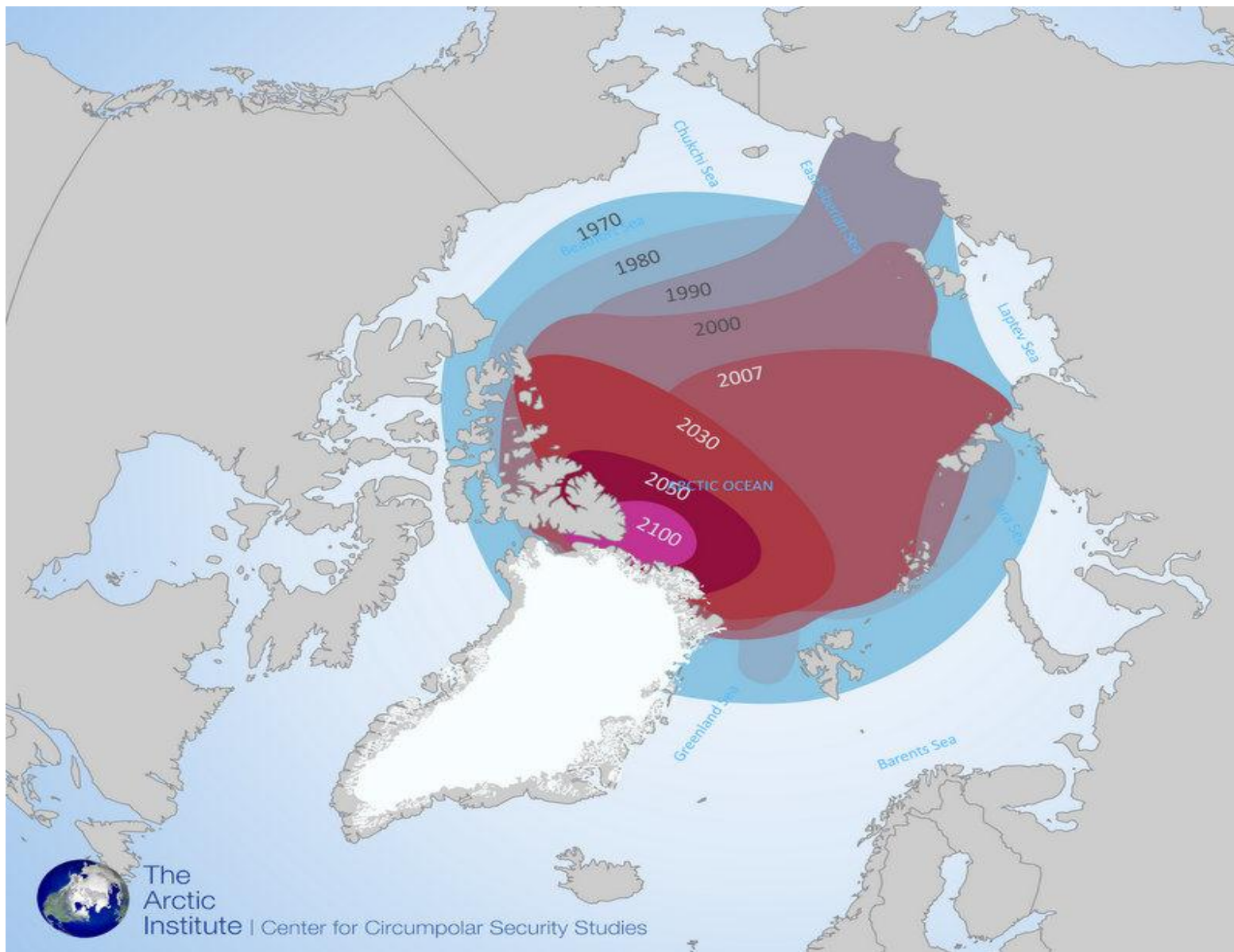


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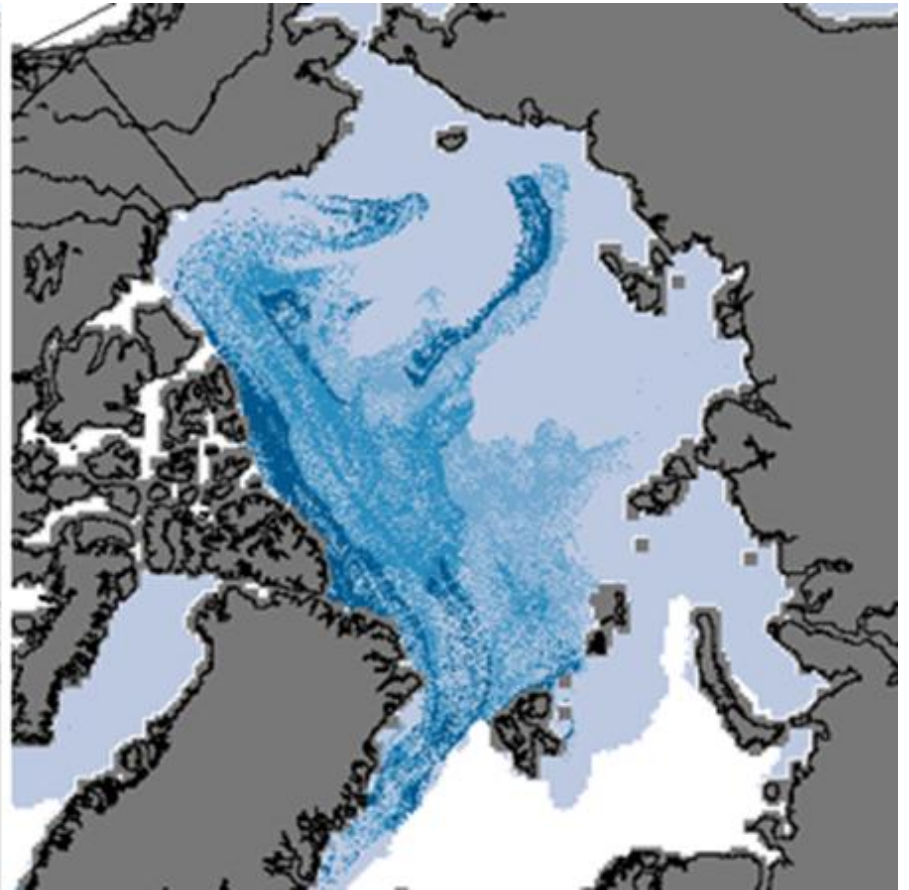
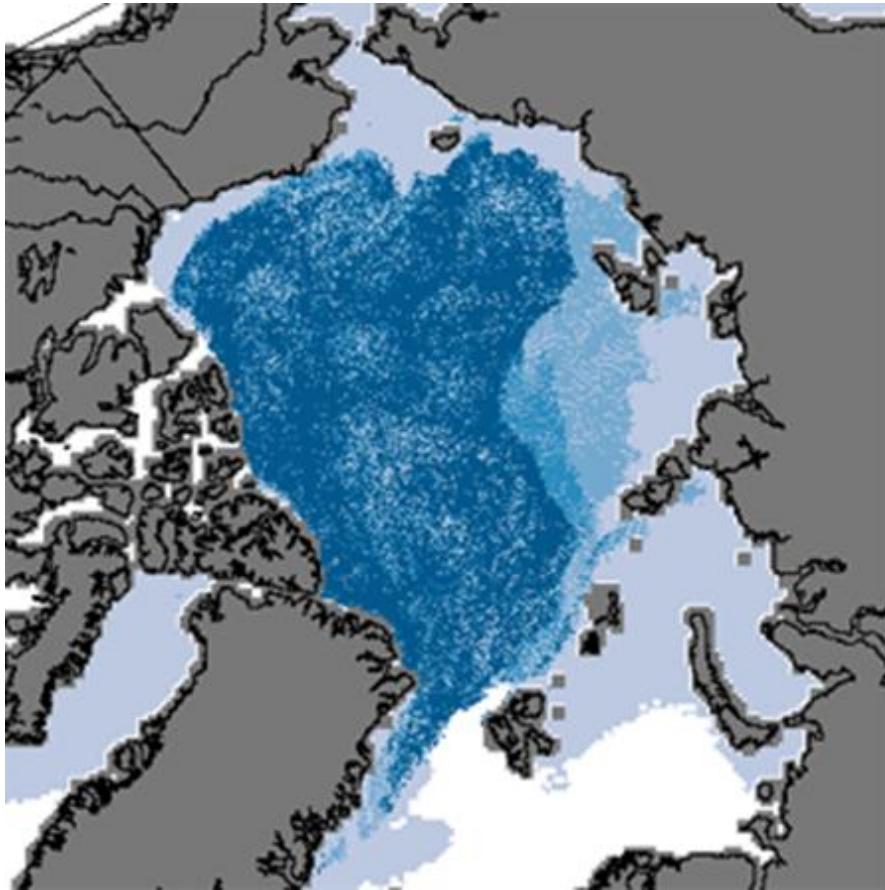
Centre for International  
Governance Innovation

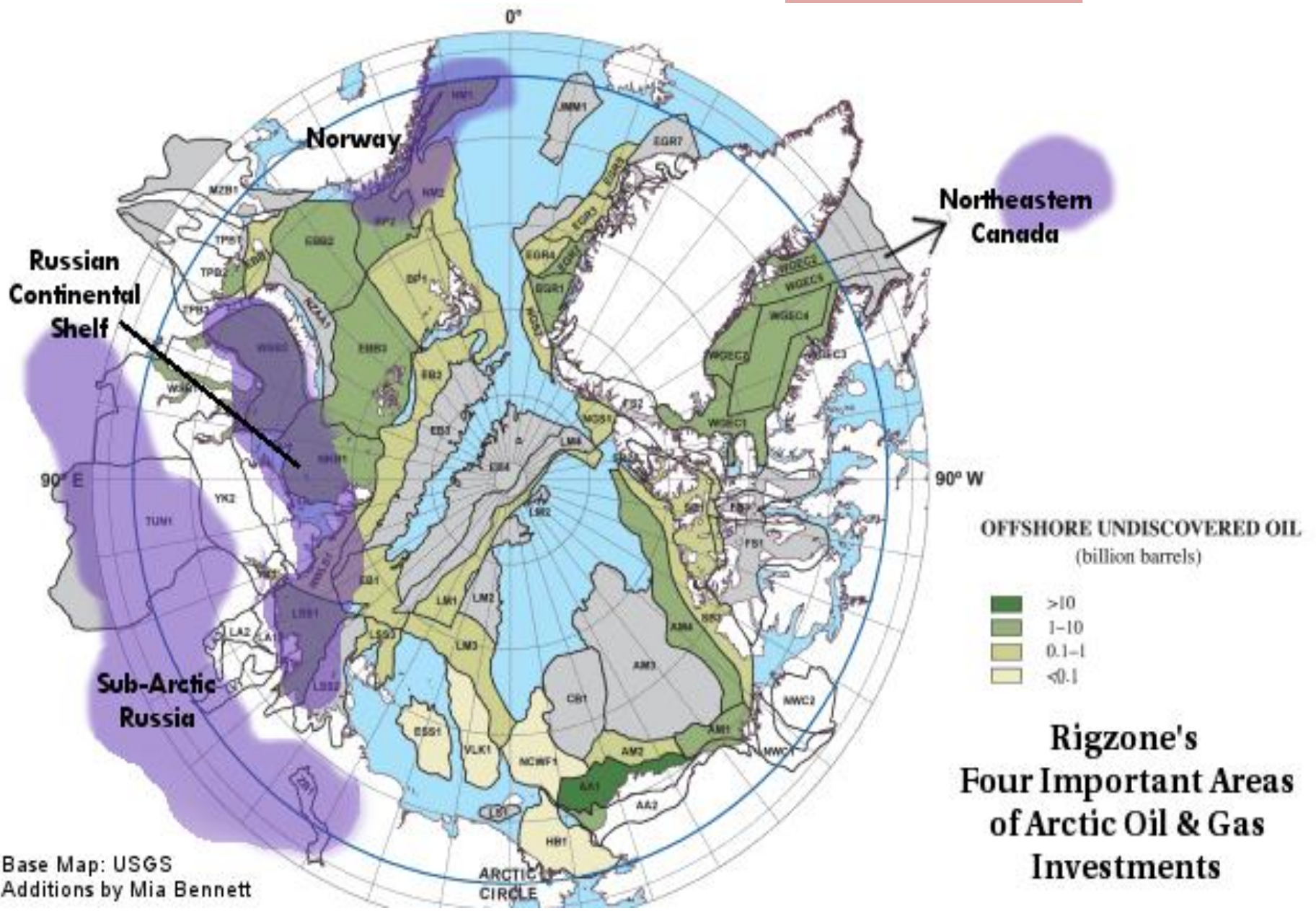
NASA/Goddard Space Flight Center Scientific Visualization Studio.  
The Blue Marble data is courtesy of Reto Stockli (NASA/GSFC).

# The Big Melt



# Arctic Ice Age



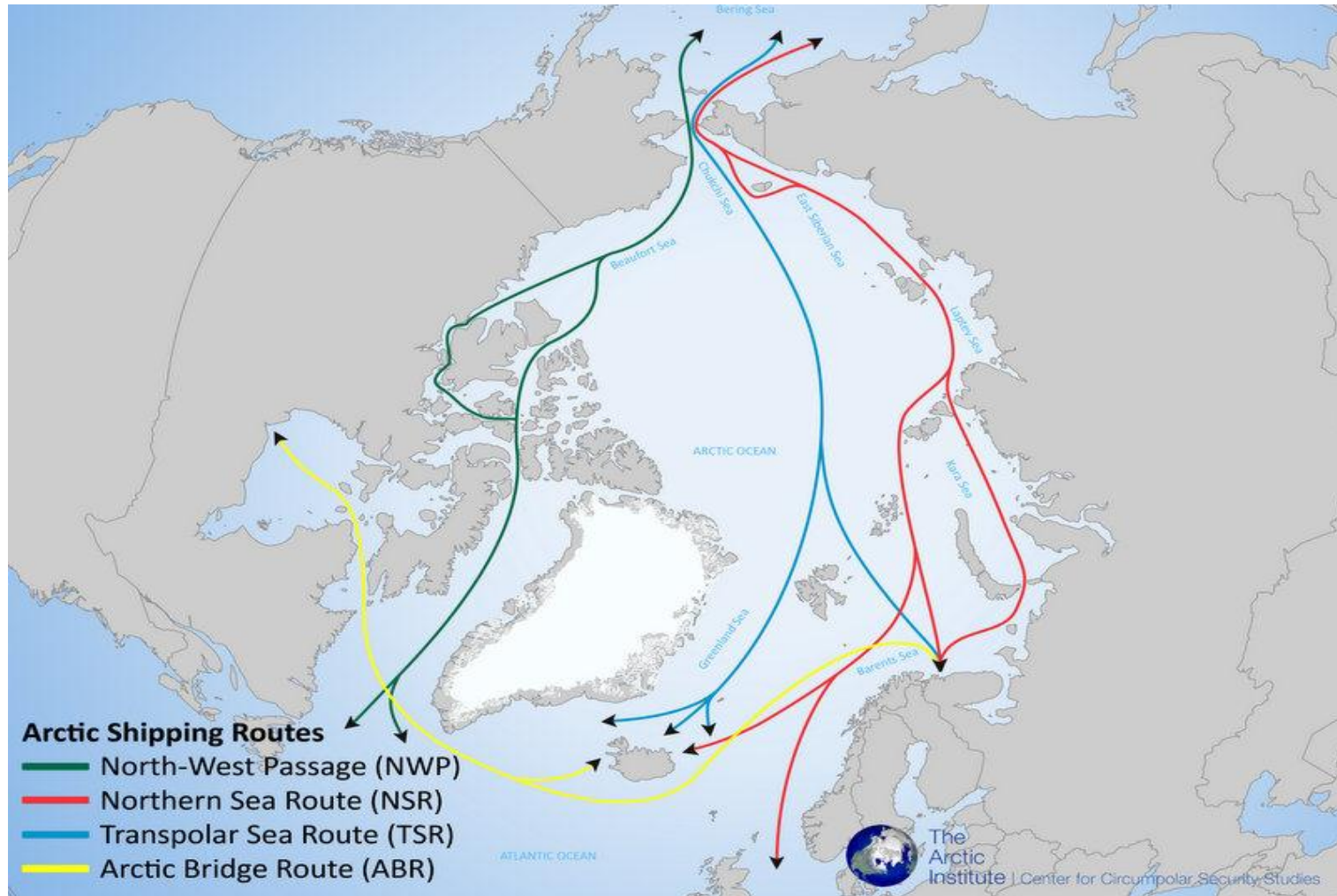


Base Map: USGS  
Additions by Mia Bennett

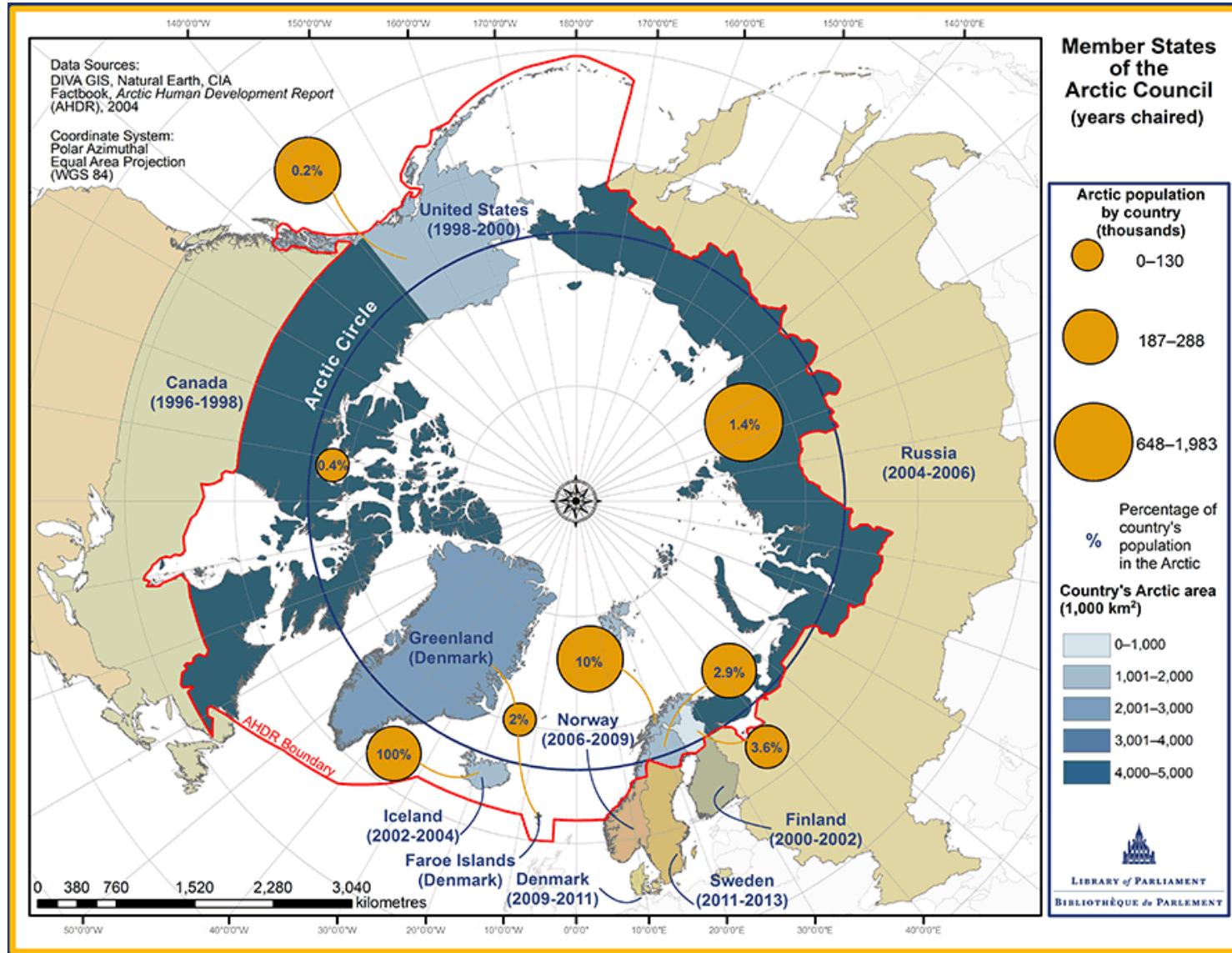
# Arctic Boundaries Claims



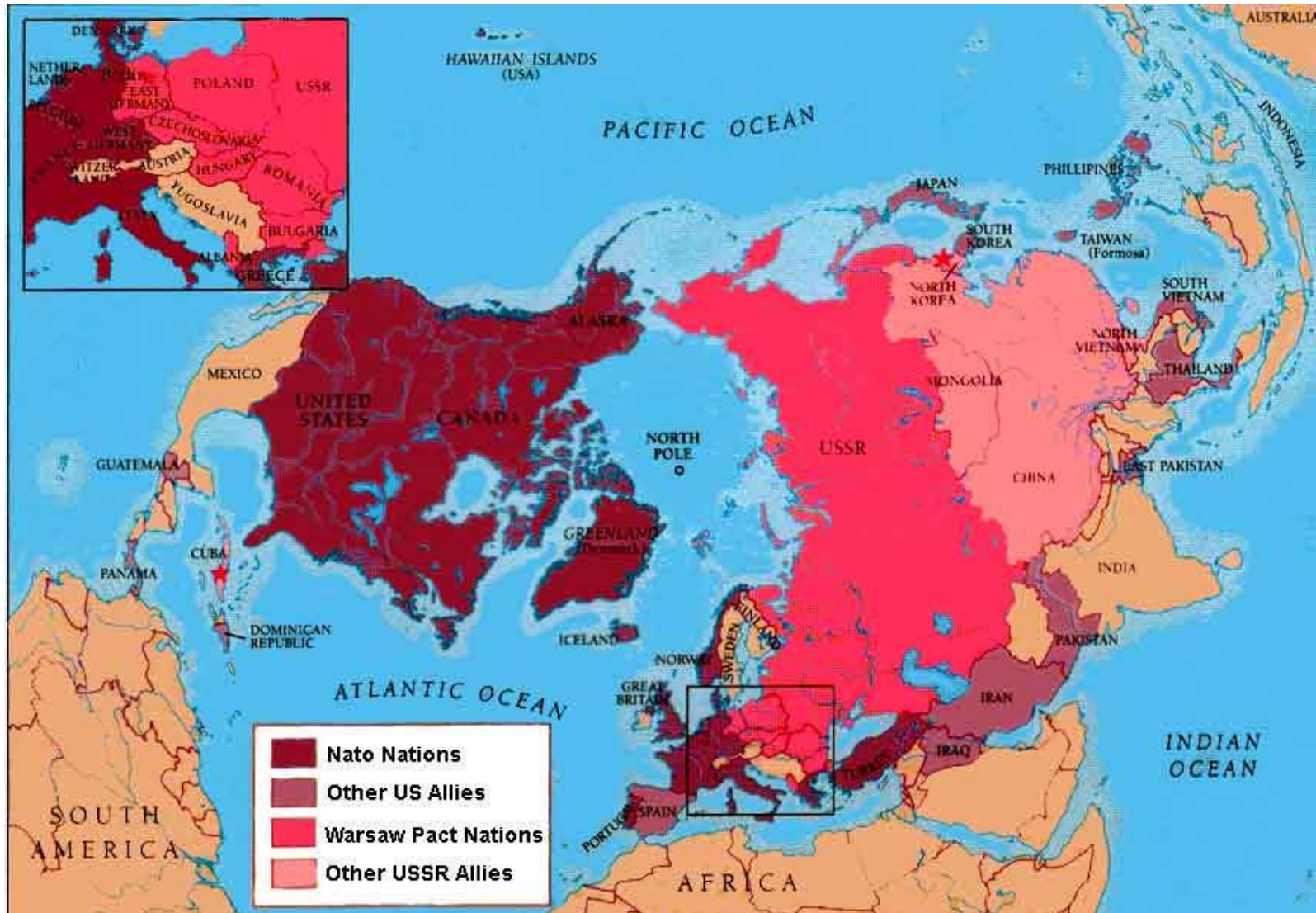
# Arctic Shipping Routes



# Arctic Council Countries



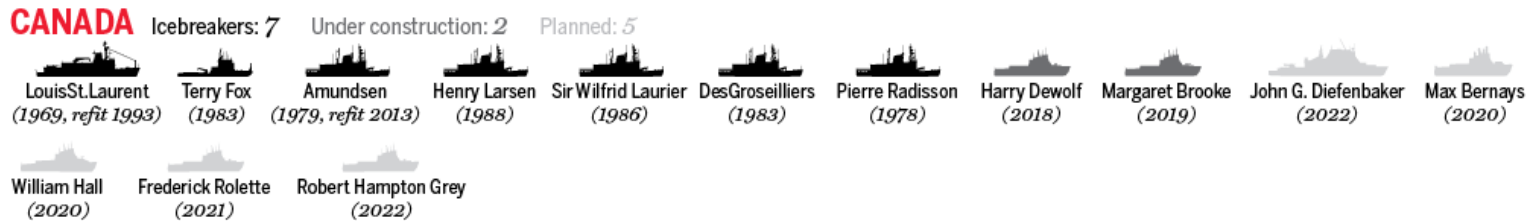
# Cold War Map





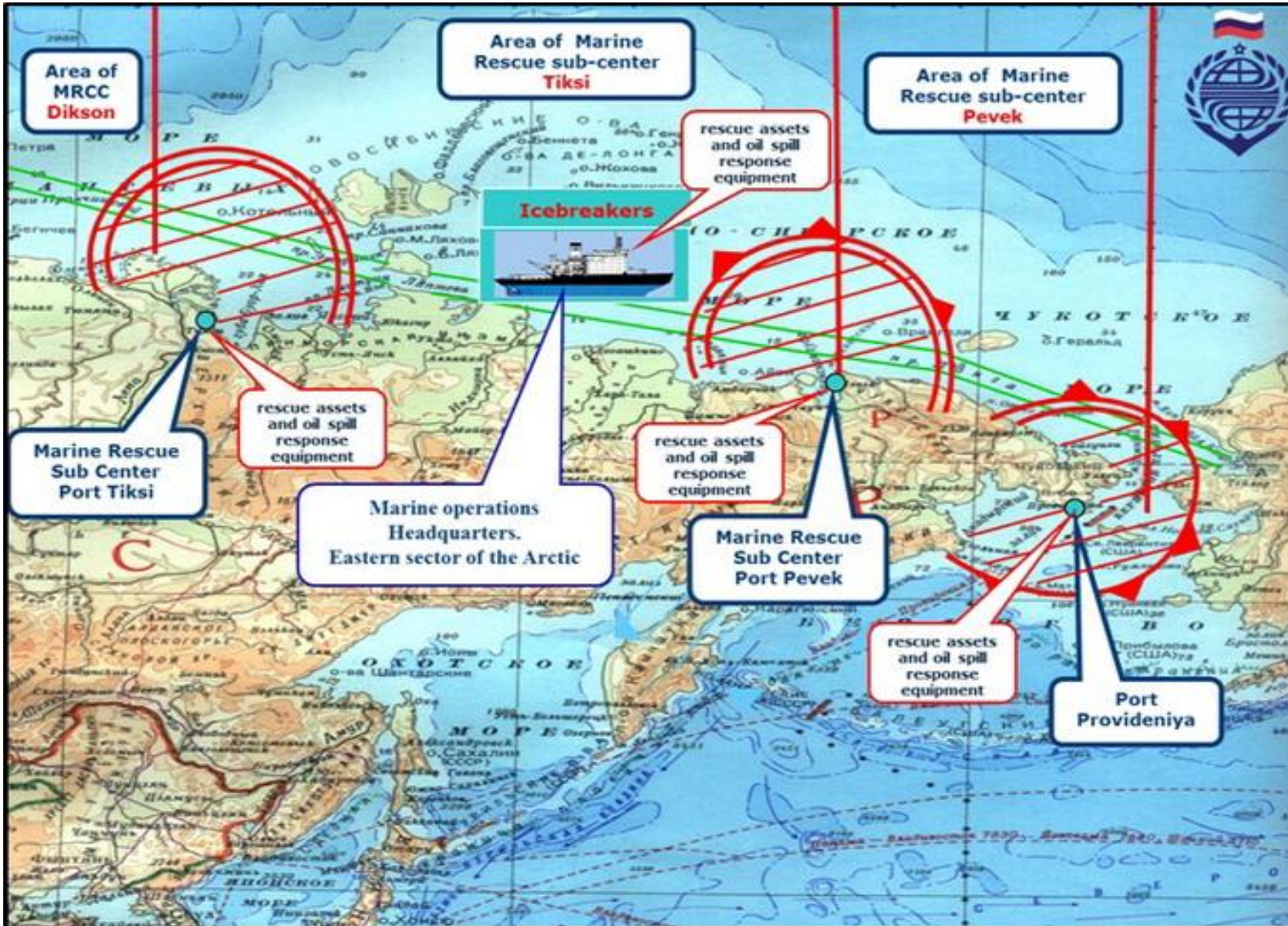
# THE WORLD'S ARCTIC ICEBREAKERS\*

The Canadian Coast Guard's aging icebreaker fleet, with an average age of over three decades, is in need of replacement. Here is how Canada's icebreaker fleet compares to the rest of the world.



\*Vessels not considered capable of independent arctic operation were omitted. Vessel outlines reflect relative sizes.

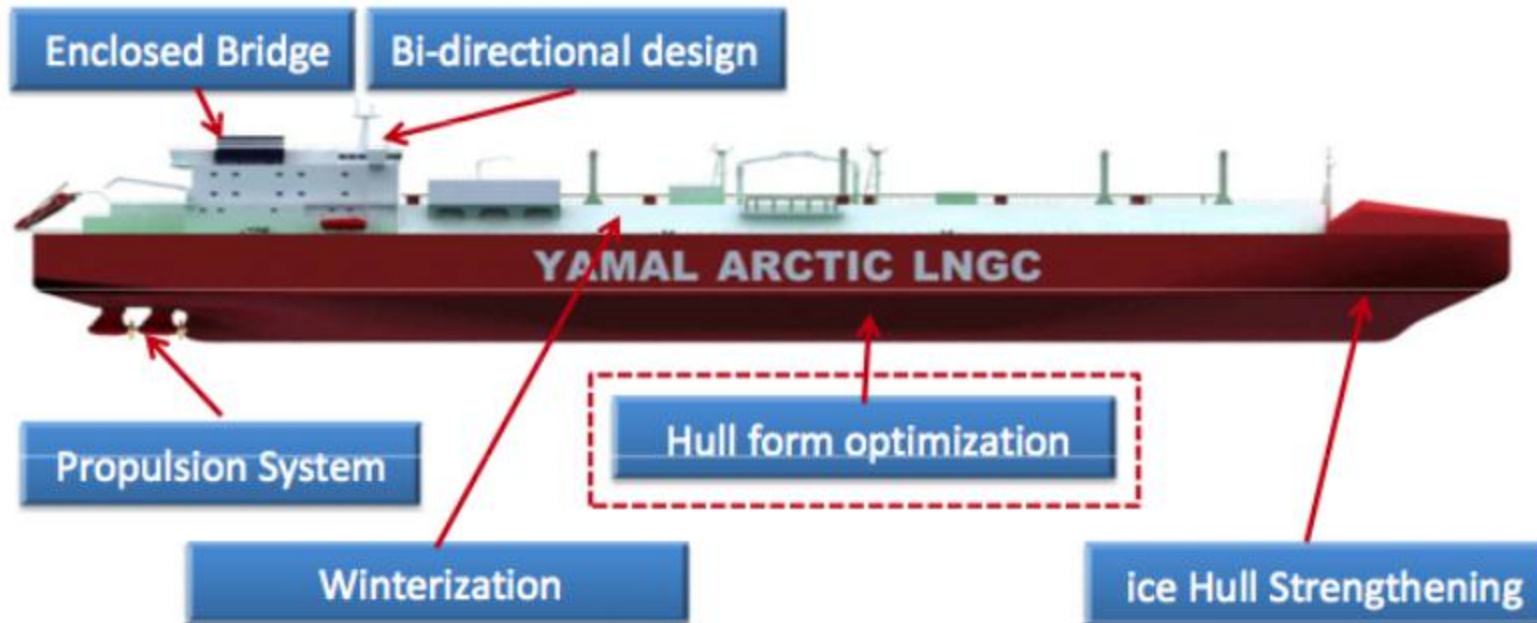
# NSR SAR Centres



# Korean LNG Vessels

## Yamal Peninsula Petroleum Development

### Technical features of Arctic Vessel

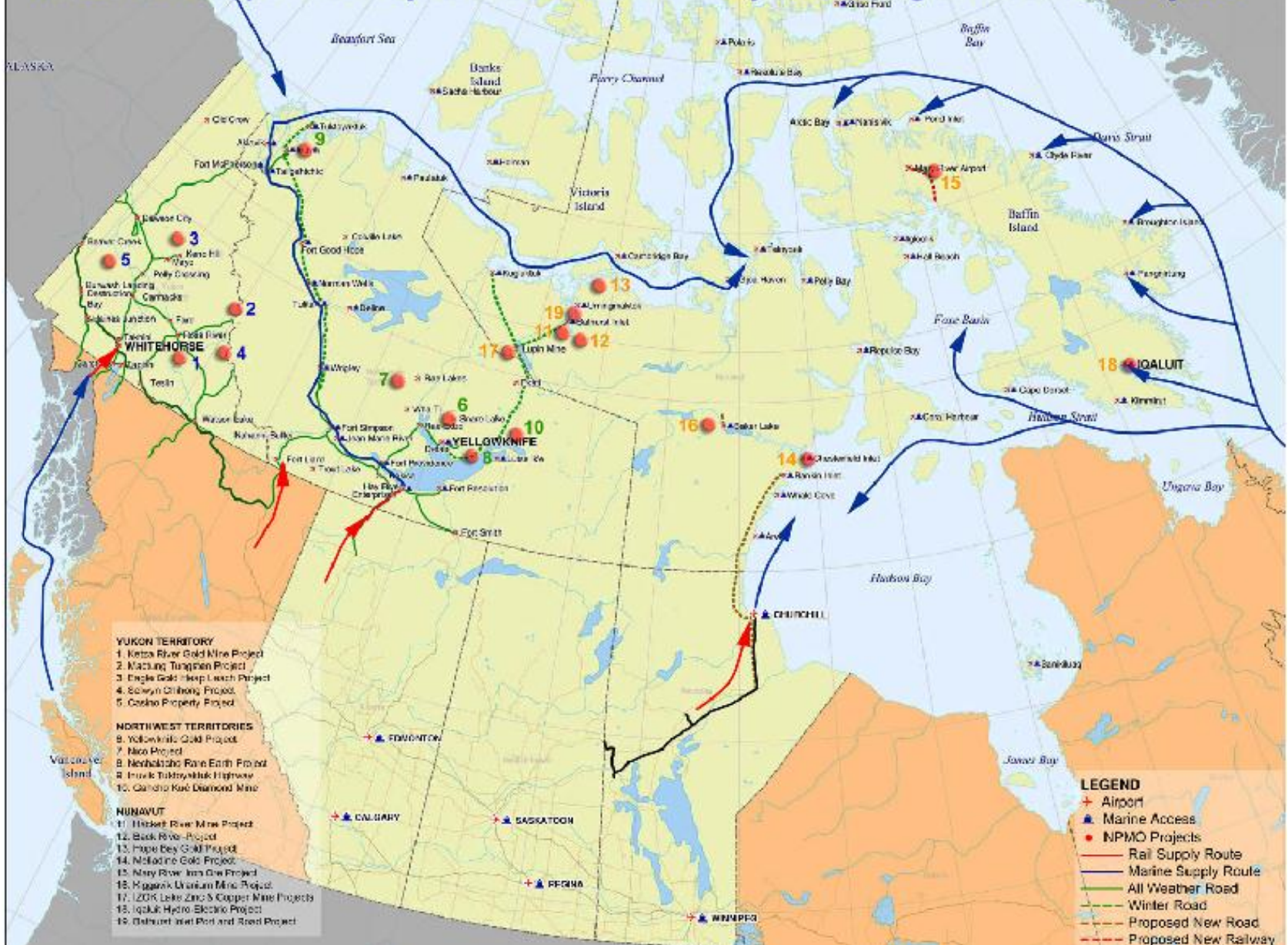


Source: Marine Exchange of Alaska presentation

# Sealift in Kugaaruk, Nunavut



# Northern Transportation System and Northern Projects Management Office Projects



## Canada's Northern Strategy (July 2009)

- Government of Canada's vision for its North is based on 4 pillars that guide its actions.

## Statement on Canada's Arctic foreign policy (2010)



**Sovereignty**

**Economic  
and Social  
Development**

**Environmental  
Protection**

**Governance**

### DOMESTIC AND INTERNATIONAL DIMENSION

Exercising our Arctic sovereignty as international interest in the region increases.

Encouraging social and economic development and regulatory improvements that benefit Northerners.

Adapting to climate change challenges and ensuring sensitive Arctic ecosystems are protected for future generations.

Providing Northerners with more control over their economic and political destiny.

### SCIENCE AND TECHNOLOGY UNDERPIN ALL FOUR PILLARS

- Slide source: P. W. Lackenbauer, Assoc. Professor and Chair, History, St. Jerome's University, March 2013

# U.S.-Canada Joint Statement on Climate, Energy, and Arctic Leadership (March 2016)

- A Shared Arctic Leadership Model: Mary Simon, INAC ;
- Conserving Arctic biodiversity through science-based decision making;
- Incorporating Indigenous science and traditional knowledge into decision-making
- Building a sustainable Arctic economy
  - Low impact shipping corridors
  - Abundant Arctic fish
  - Science-based approach to oil and gas
- Supporting strong Arctic communities



# Asia-Pacific Gateway and Corridor Initiative

## APGCI Investments Map

### About The APGCI

- ▶ The APGCI
- ▶ Our Mission
- ▶ Investments
- ▶ Benefits
- ▶ Projects

### Rail Lines

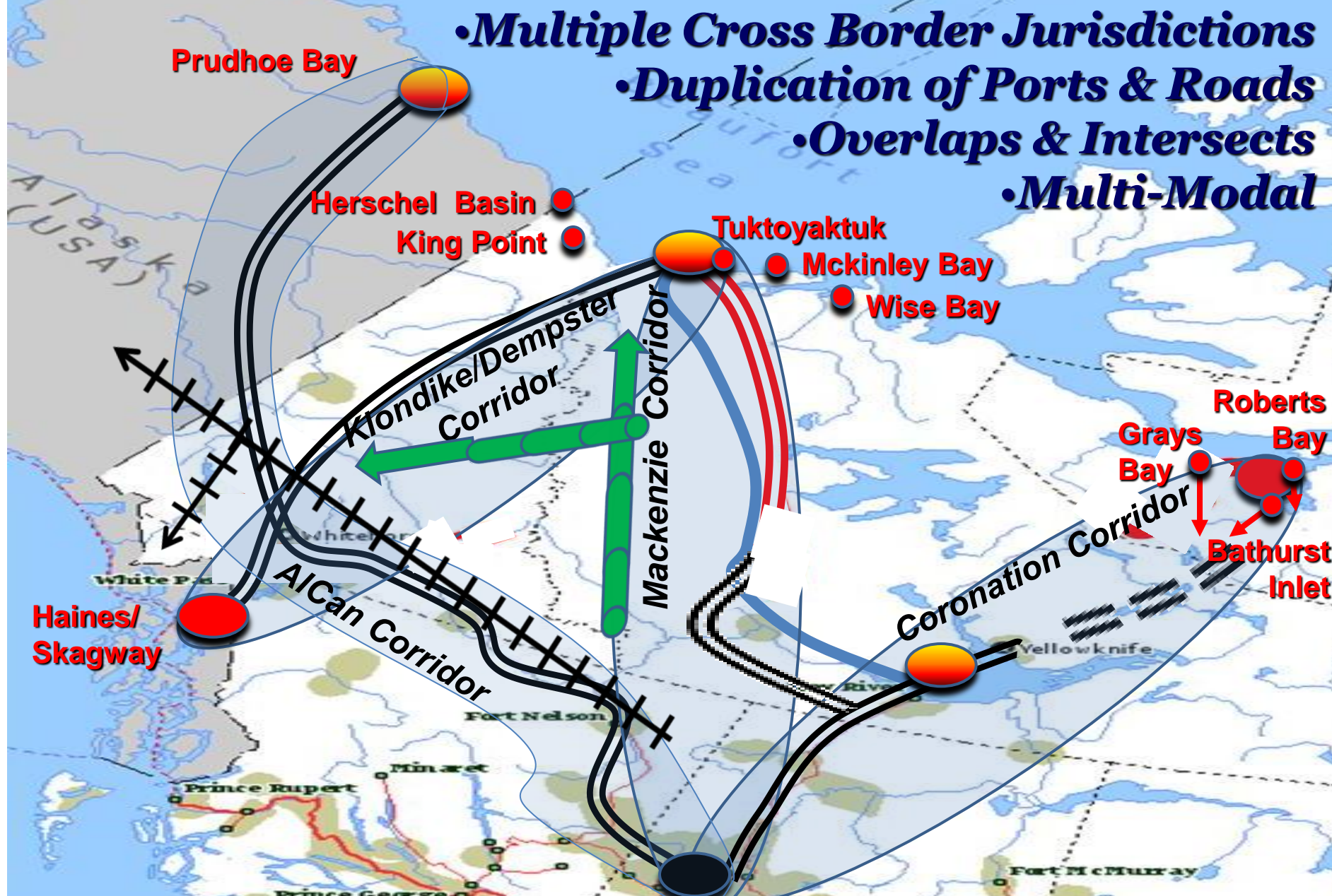
- CN
- CPR
- BNSF

[▶ View Alternate Rail Maps](#)



# Western Arctic Ports & Corridors Recap

- Multiple Cross Border Jurisdictions
- Duplication of Ports & Roads
- Overlaps & Intersects
- Multi-Modal





# North American Arctic Regional Government Leaders' Summit

Ottawa, Canada, February 3, 2018

