

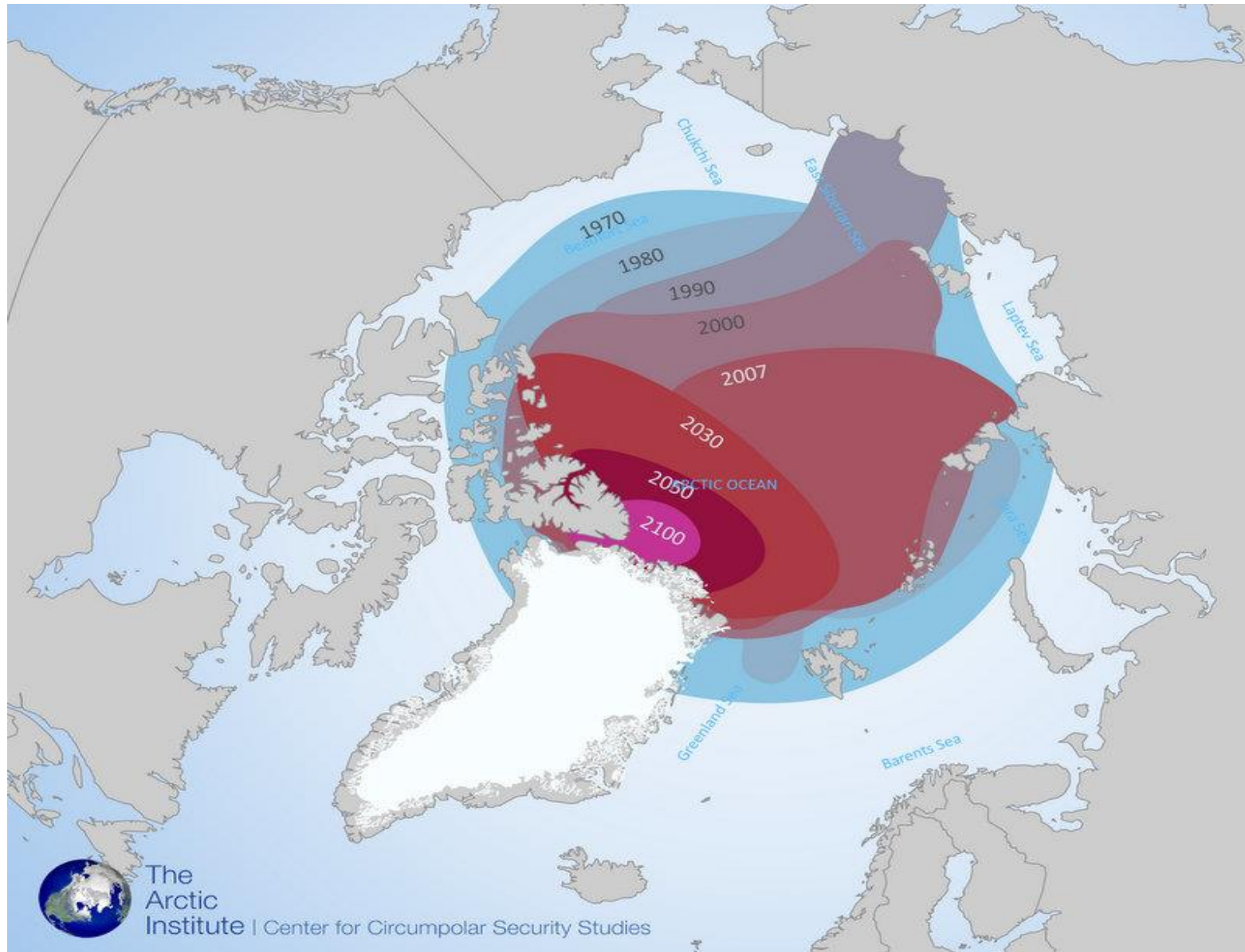
NORTH AMERICA AND THE NEW ARCTIC

By John Higginbotham

For the **Economic Development, Trade and Tourism Committee,**
Alaska State House of Representatives

Ottawa-Juneau, February 20, 2014

The Big Melt

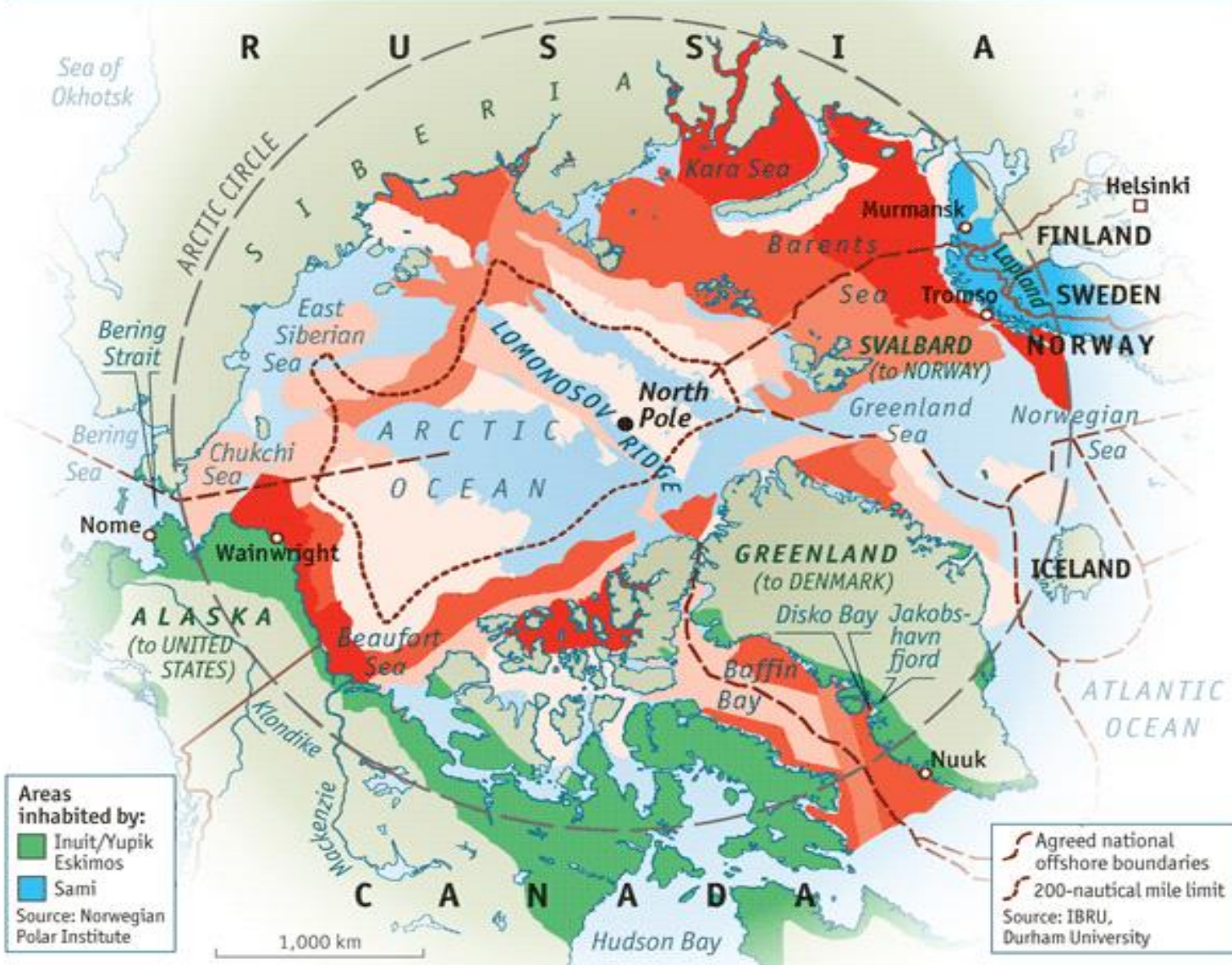


Undiscovered deposits, probability of oil and/or gas field*, 2008 estimates, %



Source: USGS

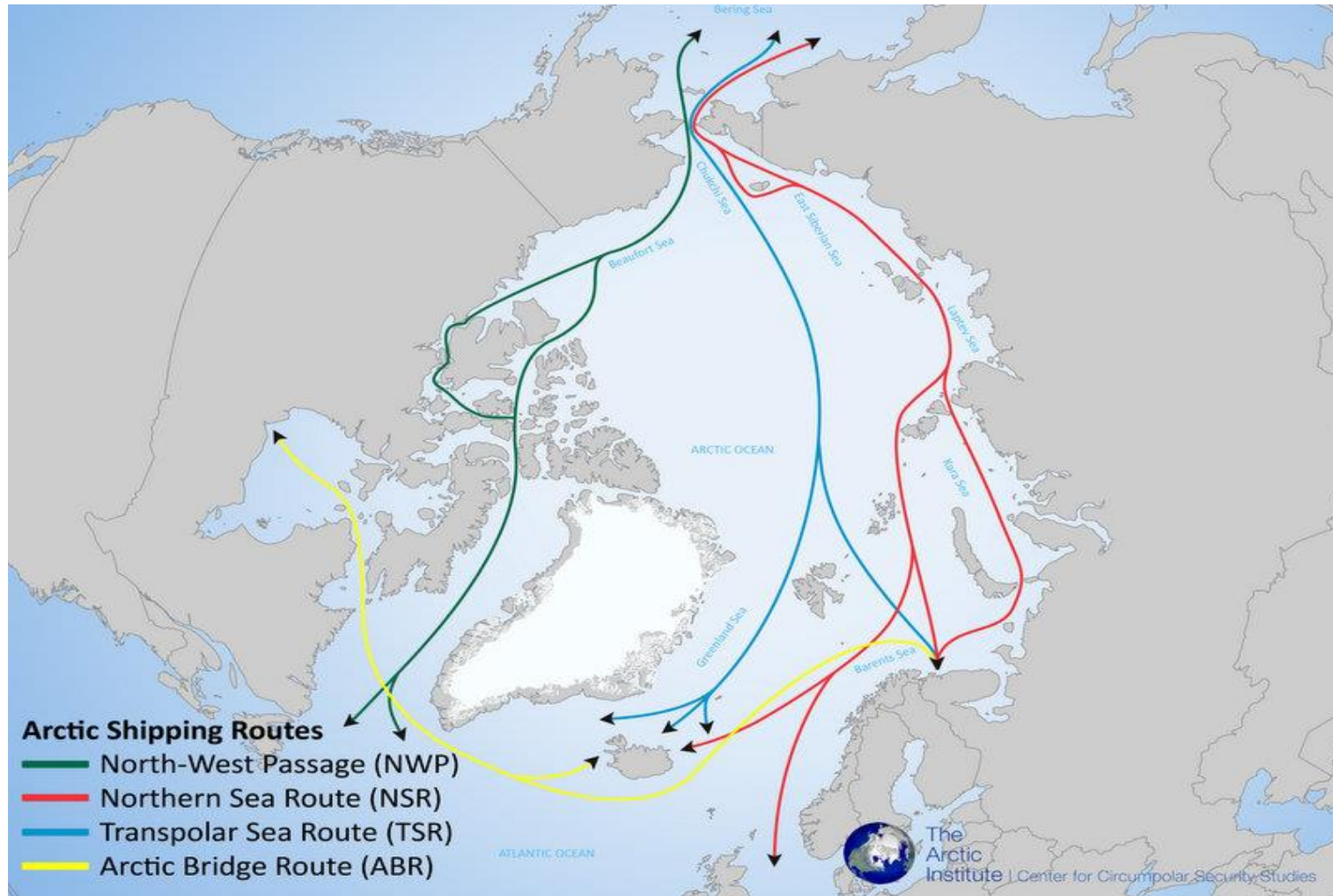
*At least one undiscovered oil and/or gas field with recoverable reserves greater than 50m barrels of oil equivalent



Arctic Boundaries Claims



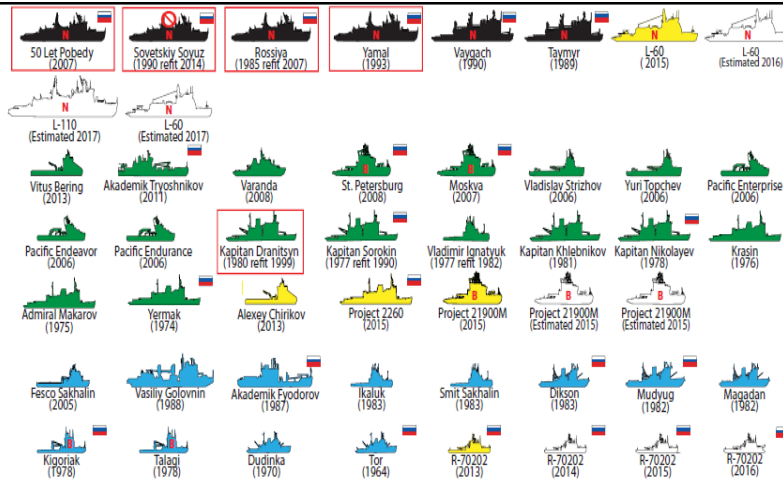
Arctic Shipping Routes



Icebreakers of the World (Source: USCG)

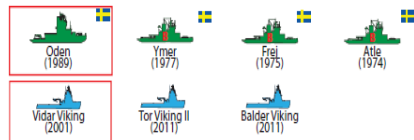
RUSSIA

(36)
+ 5 under
construction
+ 8 planned



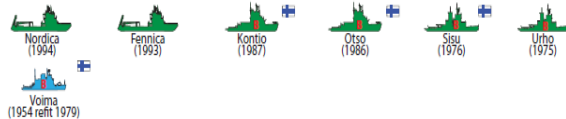
SWEDEN

(7)



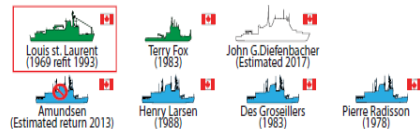
FINLAND

(7)



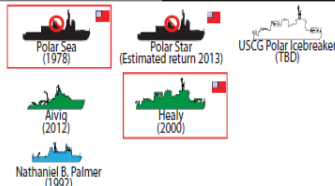
CANADA

(6)
+ 1 planned



USA

(5)
+ 1 planned



DENMARK

(4)



CHINA

(1)
+ 1 planned



ARGENTINA

(1)



AUSTRALIA

(1)



CHILE

(1)



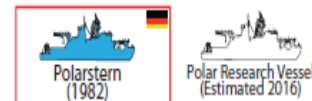
ESTONIA

(2)



GERMANY

(1)
+ 1 planned



JAPAN

(1)



SOUTH KOREA

(1)



SOUTH AFRICA

(1)



LATVIA

(1)

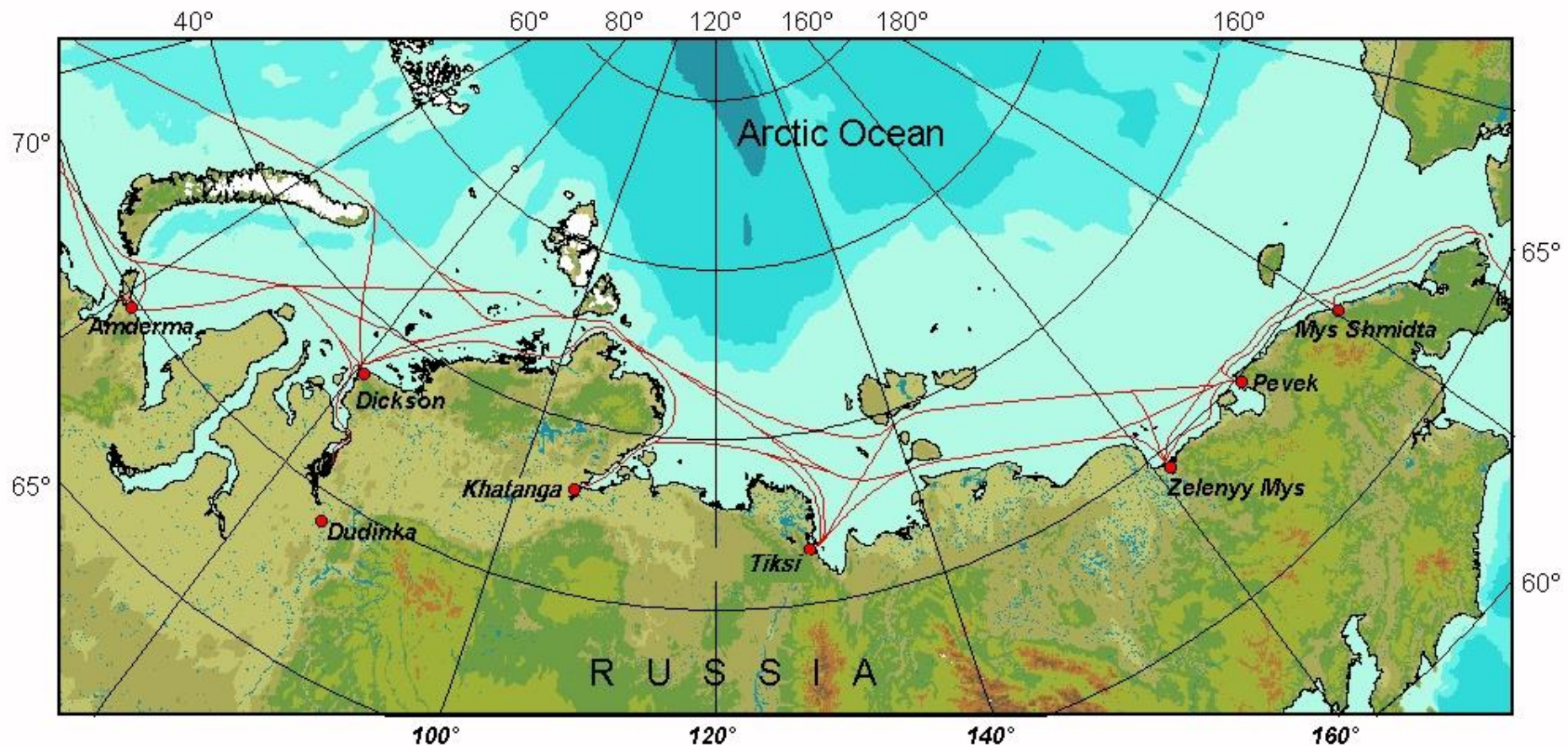


NORWAY

(1)
+ 1 planned



Northern Sea Route



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.

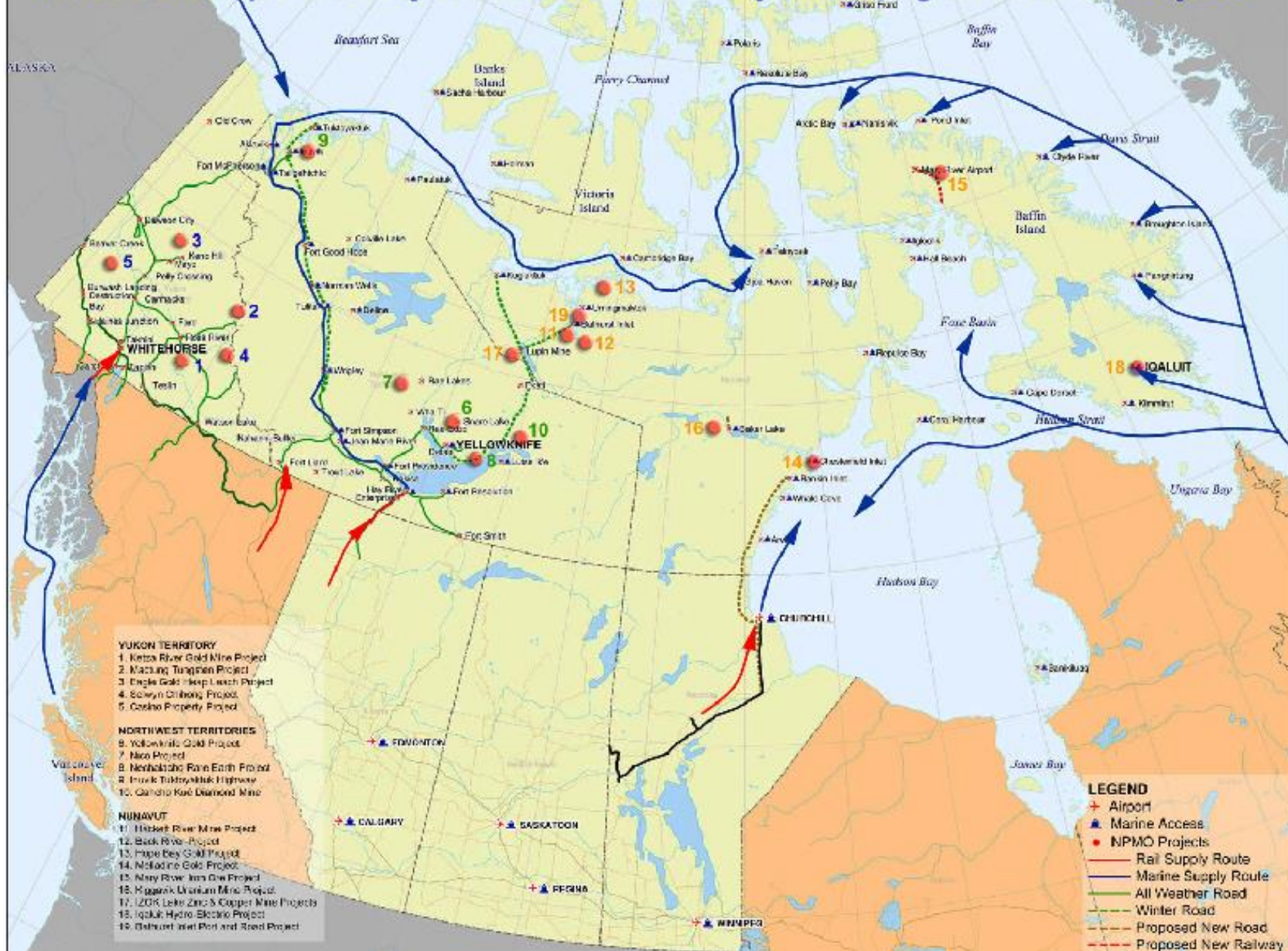
SCIENCE AND TECHNOLOGY UNDERPIN ALL FOUR PILLARS

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

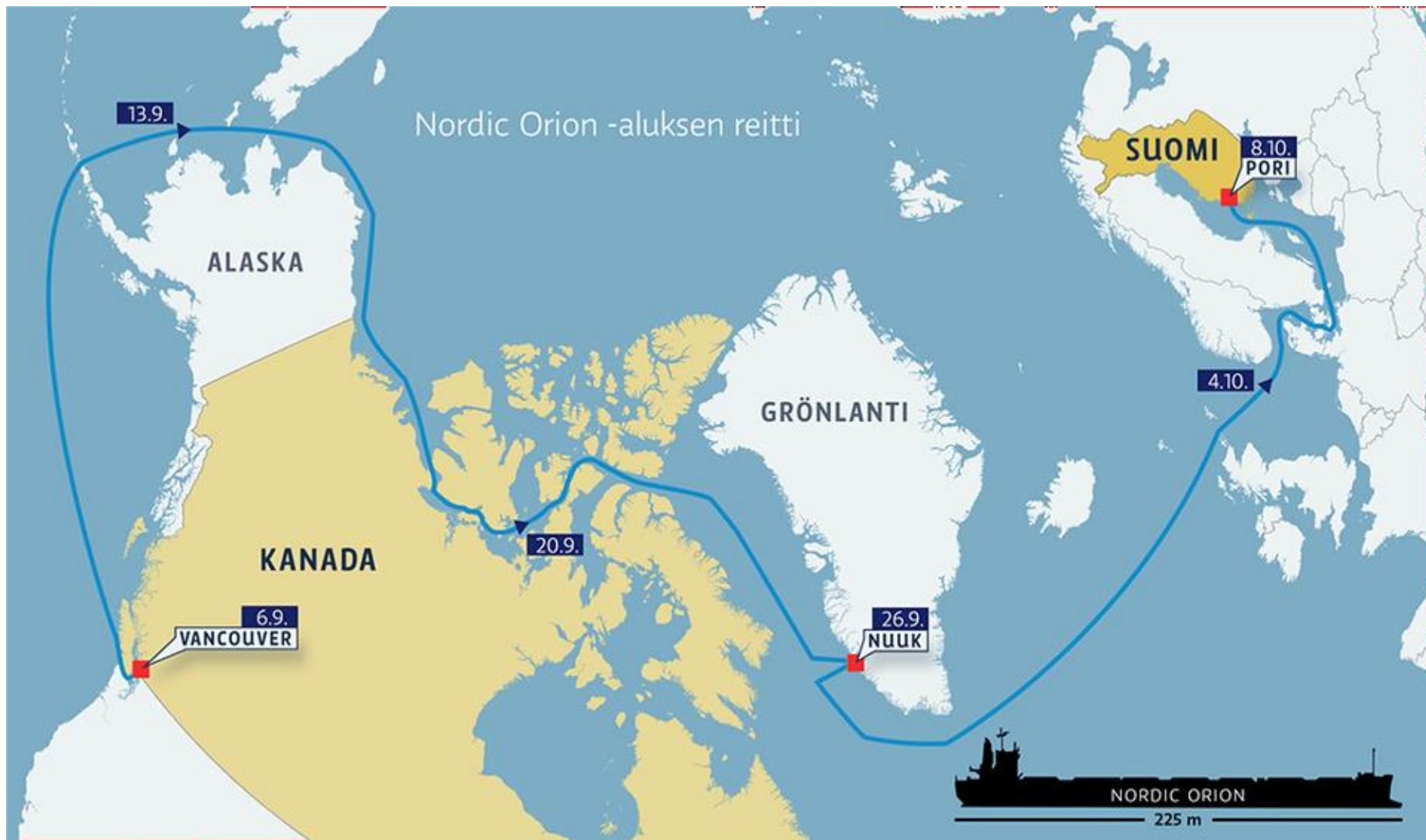
Canada's Arctic Council Priorities 2013-2015

- 1. Responsible Arctic resource development
- 2. Safe Arctic shipping
- 3. Sustainable circumpolar communities

Northern Transportation System and Northern Projects Management Office Projects



Nordic Orion's Voyage on the NWP



The "North American Arctic Marine Highway"

Approximate Travel Distances

Seattle to New Jersey via NWP: 16 700 km
Seattle to New Jersey via Panama Canal: 18 000 km

