

# Shipping in the Canadian Arctic

## Answering the Question of Who

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### Research Questions & Purpose

#### Research questions:

- Who is involved in shipping in the Canadian Arctic? What are their interests, roles, and responsibilities?
- What areas of interest are receiving the most attention? What areas are receiving the least?
- How can the stakeholder environment be visualized to increase awareness and understanding?

#### Purpose:

- Highlight where collaborations could be fostered for more efficient work (research, policy development, enforcement, etc.)
- Identify the areas of interest that are not receiving the attention that they require to be addressed

### Methodology

#### 1. Identify stakeholders

Websites, literature (reports, journal articles, etc.), conferences and networking, interviews

#### 2. Analyze stakeholders

Scale: international, national, local

- Scope:
- i. Climate & Environment: pollution and response, environmental protection, sustainable development
  - ii. Economics: business development, cost-efficiency, trade, sustainable development
  - iii. Security, Safety & Defense: search and rescue, safety of navigation
  - iv. Health & Social: the health, happiness, and well-being of societies, sustainable development
  - v. Indigenous: maintaining culture, language, and traditional activities

#### 3. Develop an interactive tool using D3.js for visualizing the relationships between stakeholders (in progress)

### Preliminary Results

27 stakeholder groups have been identified to date.

- When the subcategories of stakeholder groups (e.g., working groups, department agencies) are included there are 56 stakeholders.

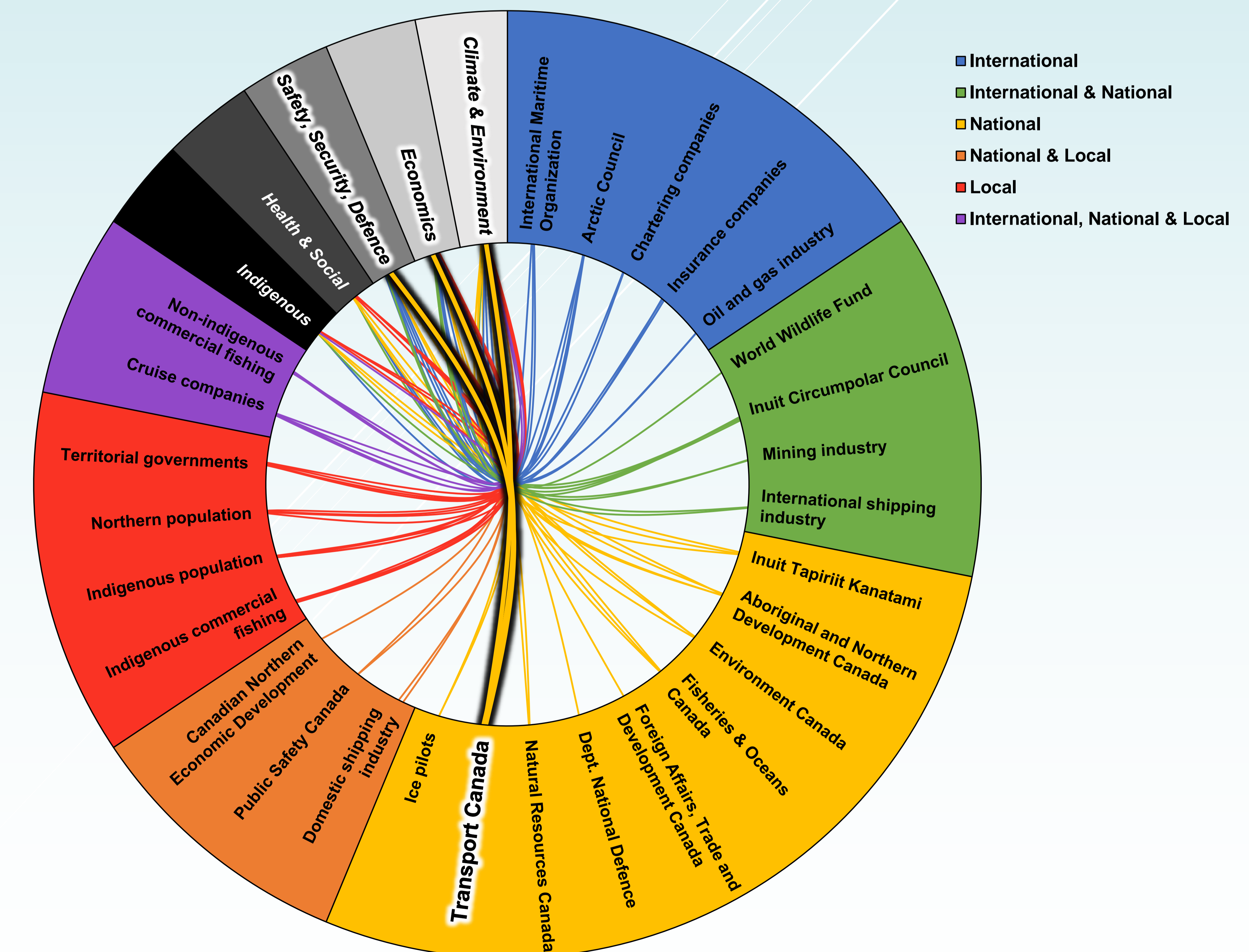
The scope of departments and organizations and their subgroups was determined based on the mandate provided on their official website.

	Climate & Environment	Economics	Security, Safety & Defence	Health & Social	Indigenous
<b>ALL STAKEHOLDERS (27)</b>	<b>18</b>	<b>21</b>	<b>21</b>	<b>10</b>	<b>9</b>
<b>NATIONAL SCALE STAKEHOLDERS (15)</b>					
Aboriginal and Northern Development Canada	X	X		X	X
Canadian Northern Economic Development Agency		X			
Environment Canada	X		X	X	
Canadian Ice Service	X		X		
Parks Canada Agency	X		X	X	
Fisheries & Oceans Canada	X	X	X		
Canadian Coast Guard	X		X		
Maritime Communications & Transportation Service			X		
Canadian Hydrographic Service			X		
Foreign Affairs, Trade and Development		X			
Ice pilots		X	X		
Inuit Circumpolar Council	X	X	X	X	X
Inuit Tapiriit Kanatami	X			X	X
Department of National Defence			X		
Defence Research and Development Canada			X		
Joint Rescue Coordination Centre			X		
Joint Task Force			X		
National Search and Rescue Secretariat			X		
Mining Industry		X	X		
Natural Resources Canada	X	X			
Geological Survey of Canada	X	X			
Public Safety Canada	X		X		
Canadian Border Services Agency		X	X		
Canadian Security Intelligence Service			X		
Royal Canadian Mounted Police			X		
Transport Canada	X	X	X		
Shipping Industry (domestic and international)		X	X		
World Wildlife Fund	X				

Below is a snapshot of what will be the interactive online tool

- The gray-scale section represent the categories of scope; the colored sections represent stakeholder groups categorized by scale
- Each line connects a stakeholder group with a category of scope

Example: The user selects "Transport Canada" and the categories of scope within their official mandate become highlighted



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