### Canada and Russia's Perspectives on **Institutional Interactions in Shipping Regulation: Polar Code and Beyond**

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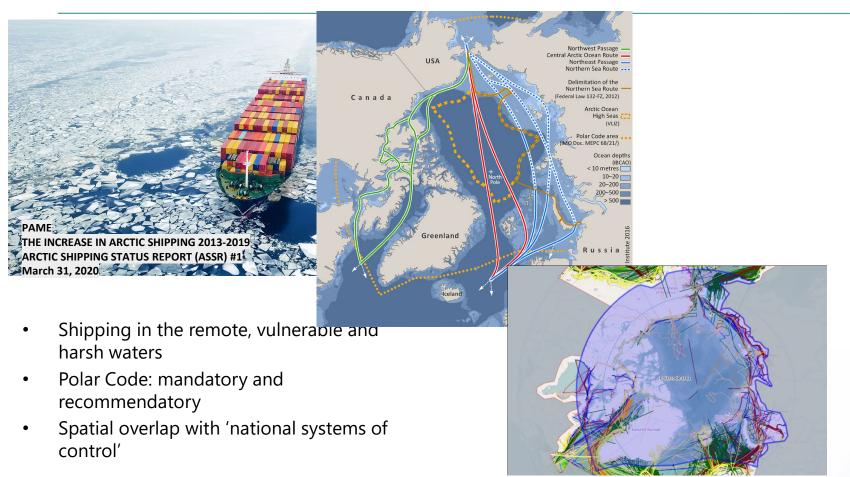
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#### **Outline**

- 1. **Who** regulates shipping in the Arctic?
- 2. How do Canada's and Russia's approaches differ? (POLARIS as litmus test)
- 3. **Why** do they differ? (Karen Litfin's framework)
- 4. So what?

## New commercial opportunities in unique environmental and navigational conditions



#### The Polar Code's innovatory architecture

- Effective through amendments to other dynamic IMO instruments (SOLAS, MARPOL, STCW)
- The Polar Code is one of the first instruments developed by the IMO that, to a large extent, relies on the new regulatory paradigm (risk and goal-based)
  - frames some requirements as goal-based standards (GBS).
- A (paradigm?) shift from the "culture of compliance" with prescriptive rules to the "culture of benchmarking"
- A functionally dynamic environment for further development

#### **GBS** and methodologies: examples

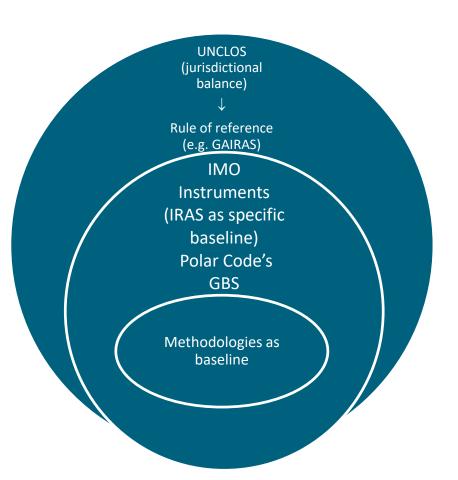
#### **Polar Ship Certificate (PSC)**

- Requirement to have on board
- Granted by the Administration (in practice classification society)
- based on Operational Assessment
- To reference a methodology to assess operational capabilities and limitations in ice

#### **Polar Water Operation Manual**

- · Goal:
- provide the owner, operator, master and the crew with sufficient information regarding the ship's operational capabilities and limitations in order to support their decisionmaking process
- Functional requirement:
  include ship-specific capabilities,
  limitations and procedures
  based on the Operational Assessment
  To reference a methodology to assess operational capabilities and limitations in ice

# Locating methodologies in the governance landscape

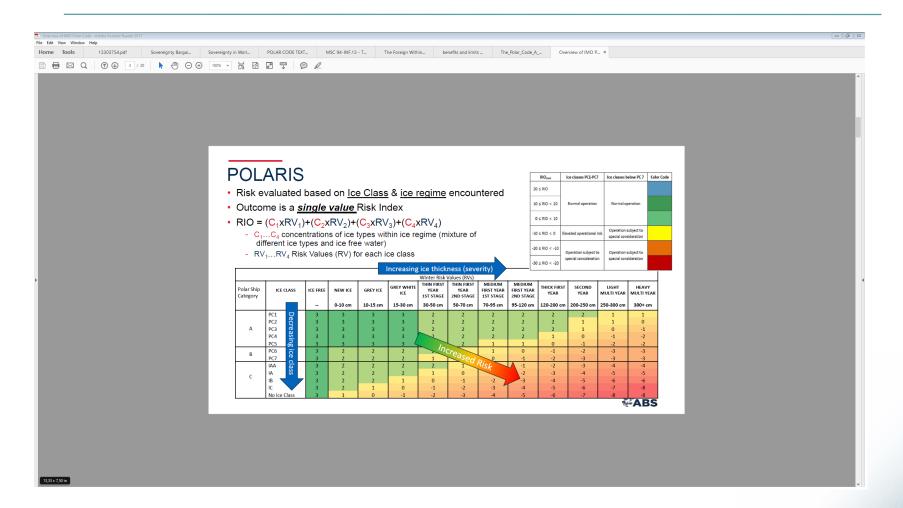




### POLARIS as a system to help decision-making 1\2

- Polar Operational Limit Assessment Risk Indexing System (POLARIS)
   provides a standard approach for the evaluation of risk to the ship and
   assess operational limitations in ice
  - Translates the physical properties of sea-ice to risk indexes (ice regime & ice class)
- It is an international system developed by IACS with technical contributions from the delegations of Canada, Denmark, Finland, Russia and Sweden
- (Interim and not binding) IMO Guidance on Methodologies for assessing operational capabilities and limitations in ice (MSC.1/Circ.1519) presents POLARIS as 'acceptable methodology'
  - Or alternative methodologies, such as the Canadian Arctic Ice Regime Shipping System (AIRSS); and the Russian Ice Certificate/Passport
- to be updated 1 January 2021

#### **POLARIS:** how it works



### POLARIS as a system to help decision-making 2\2

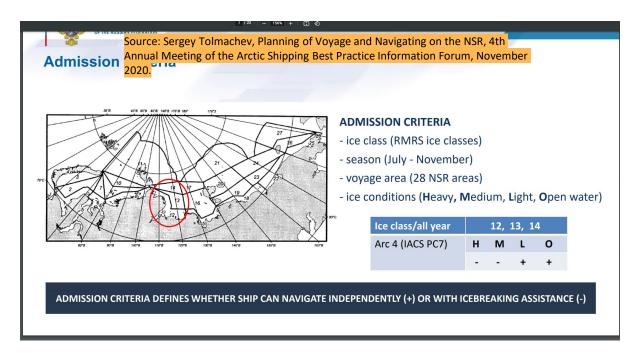
- the idea behind POLARIS is that risk assessment methodology may be the glue to ensure coherence
- A common baseline for decision-making
  - Upstream
    - flag States, classification societies, coastal States, underwriters
  - Downstream
    - shipowners, masters, crew (on-board, real-time decision making)
- To yield accurate results, it has to be used and updated based on experience
- Here: harmonization (popularity) can actually have an effect on quality!
- Appears to be the methodology of choice except for ships classed with RMRS for the NSR (a big share of ships in the Arctic)

### Comparison of Canada and Russia: what they do

- Negotiation of the Polar Code (submissions)
  - Canada more proactive and POLARIS largely relies on Canada's experience (essentially updated AIRSS)
  - Russia took part, but in a rather reactive manner
- Implementation
  - Canada's Arctic Shipping Safety and Pollution Prevention Regulations (ASSPPR)
    - embracing POLARIS, mandatory after phasing out of AIRSS
    - not surprising as it is just a better version
    - real-time flexibility offsets (ice navigator, reporting to Minister, clearance)
  - Russia keeps its own comprehensive system (prescriptive, based on decades of experience)

## Russian system: what is the alternative methodology?

- MSC.1/Circ.1519 refers to Russian Ice Certificate (Ice Passport): speed restrictions
- But the NSR regime is broader:



- » Zone/Date Scheme
- » No room for realtime flexibility to rely on POLARIS (or similar) to enter outside the window prescribed by Admission Criteria
- » MOHs reinroduced in 2020 (can give instructions)
- » RMRS ice class (not always compatible with POLARIS)

#### **Summing up**

- POLARIS not binding, not perfect, but has merits (harmonization of an important baseline)
- Success depends on many factors (use and reporting about experience)
- NSR regime not particularly conducive to POLARIS, may lead to further fragmentation (one methodological paradigm outside the NSR, another within the NSR)

# Comparison of Canada and Russia: why they do what they do

- Polar Code as environmental problem solving instrument (also POLARIS)
- Autonomy, control and legitimacy as functional dimensions of sovereignty>>> subject to bargain
- Control: similar concerns about externally generated processes
  - For RF more need to balance with economic (and strategic) development imperative!
- Autonomy (independence): differences
  - Different geography and potential impact of the erosion of Art. 234 for sovereignty claims
  - Strong class society in Russia (class homogenization an autonomy problem) vs lack of one in Canada (class homogenization a technical challenge)
  - Russia's 100 years' experience: shareable? (no Russian input on icebreaking)
  - Article 234: Canada to enact more stringent environmental rules, Russia to defend comprehensive regime (a business model)
- Legitimacy (the recognized right to make rules):
  - Very clear State-centric approach to sovereignty, international law vs RBO
    - UNCLOS as living instrument
    - BBNJ
    - ITLOS AO

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#### (Liberal?) International Rules-based order?

- Sometimes the commitment of Russia to the law of the sea in the Arctic is questioned. But clear commitment to UNCLOS and institutions (within their mandates), suspicious of the RBO!
- What is RBO then? (not conservative, westphalian sovereignty-based, formalistic international law)
  - Merely political discourse or legal significance? Not clear, but we see consistent use of the terminology primarily in the west
  - 'more' than international law> broader sources (soft law, practices, recommendations) blurs distinction between binding and non-binding, significance of consent (maximizing effectiveness)
  - 'less' than international law> more flexible, amorphous, more convenient for the US+ pursuing a political goal of universalization of the western vision of a liberal RBO

#### **Conclusions**

- Russia has little incentive to fully embrace international standards (and processes) (autonomy and perceptions of legitimacy)
- Canada more focused on control, Russia on autonomy and legitimacy
- Standardized and good methodology for operational risk assessment may take long (or never)
- Implications for the future Arctic governance (legitimacy)
  - Russia's emphasize for 'stability' (UNCLOS, CLCS), strict guidance by the mandates (ITLOS, ISA), fear for harm (flexible rules-based order; BBNJ potential modification to core treaties)

### Thank you!

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