

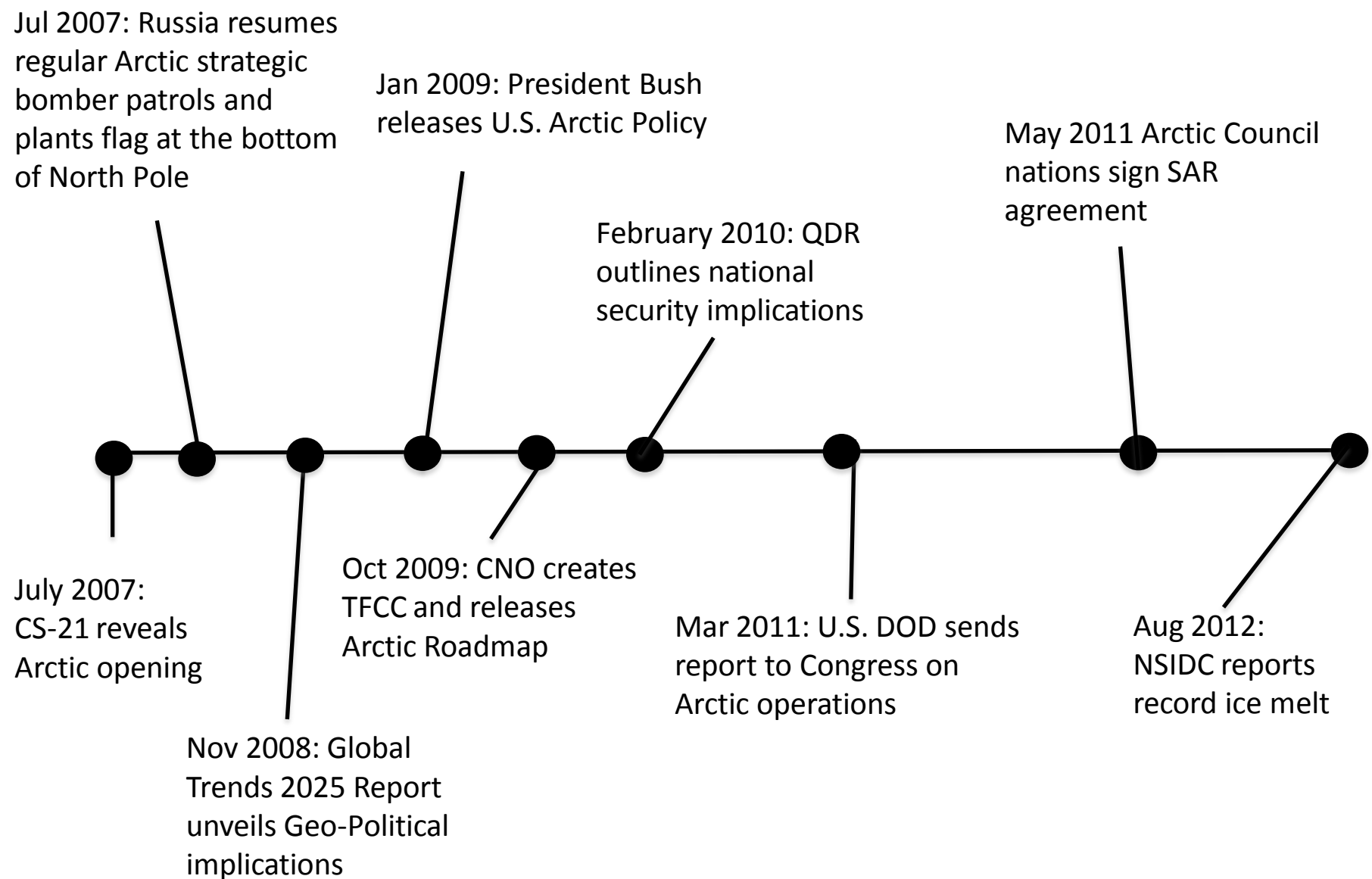


Opening of the Arctic Seas: Implications to US Maritime Forces

Dr. Walter A. Berbrick
U.S. Naval War College

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Timeline of Significant Events





Game Purpose

This game set out to explore the strategic-level implications as a result of future changes in global shipping patterns.

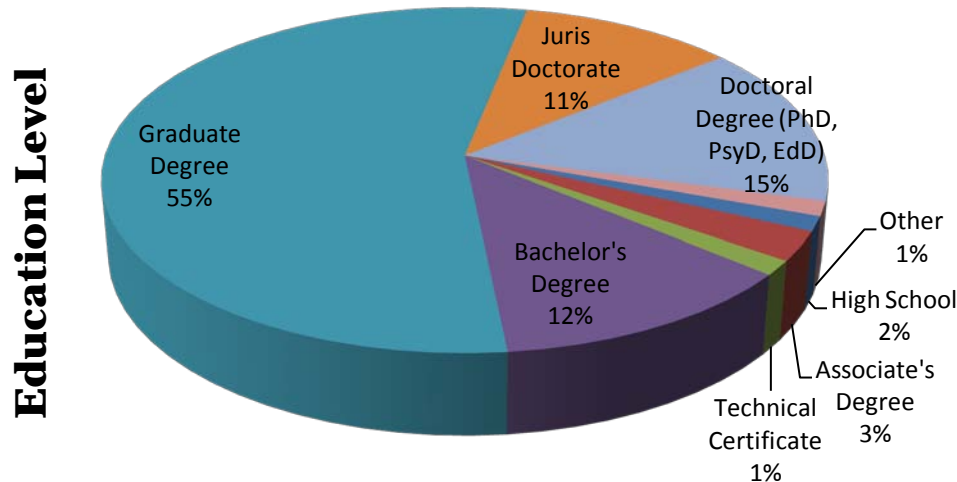
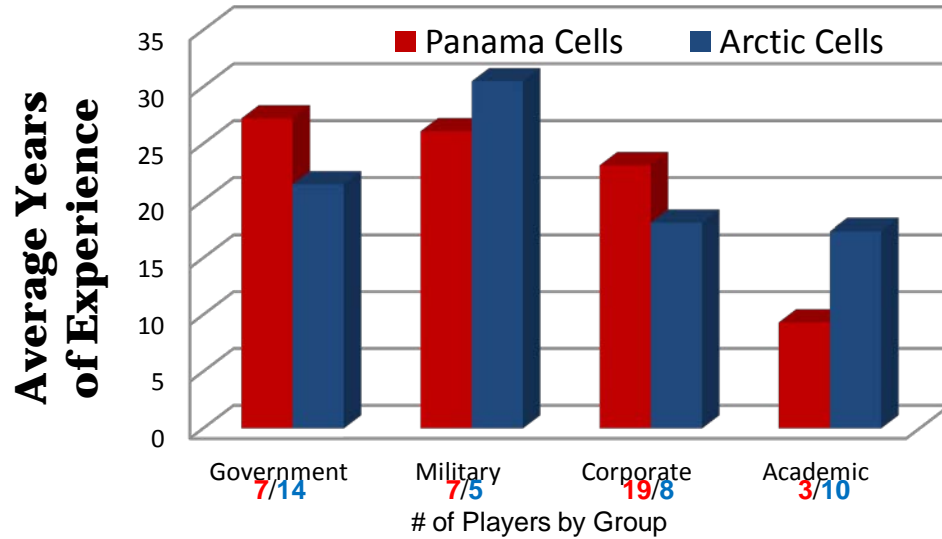
Game Objectives

Given projected changes in shipping patterns as a result of the Panama Canal expansion and the opening of the Arctic:

- ▶ Identify strategic implications
- ▶ Assess the impact of ratification or non-ratification of the United Nations Convention for the Law of the Sea (UNCLOS)
- ▶ Provide an environment for participants to appreciate the interrelated nature of factors relative to implications of shipping pattern changes



Player Demographics



Functional Areas of Expertise	Panama	Arctic
Policy	4	12
Regional Expert	5	4
Environmental	0	8
Logistics	6	2
Operations	6	1
Transportation	5	2
Legal	3	3
Energy	2	3
Finance	2	2
Security	2	0
Diplomacy	1	0



Arctic Region 2035

Major Findings

1. Gradual Change

- But preparing for the challenges (hardening vessels, logistics facilities) has long lead time (>10 years)

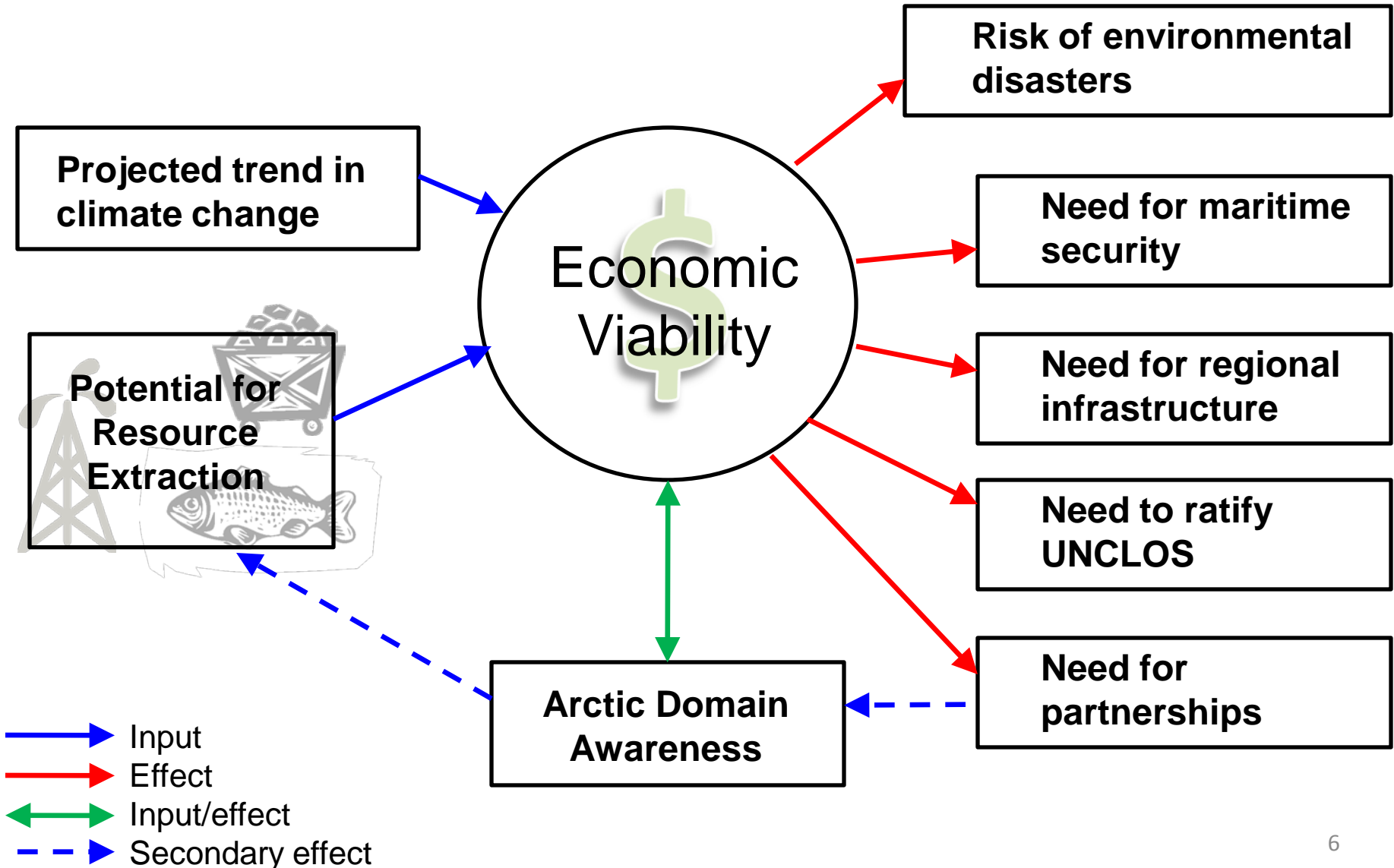
2. Arctic economic viability

- Understanding this proves essential to identifying potential regional security implications
- Priority for Arctic is resource extraction, nature of trade will be destinational shipping and not as global trade route

3. U.S. Ratification of UNCLOS

- It's a national imperative (players were unanimous on this)
- U.S. risk of being marginalized if actions, policies and investments don't keep pace with economic development in the Arctic
- Alternative opinion: U.S. power provides enough leverage to secure national interests

Impact of Arctic Opening





UNCLOS...a National Imperative

1. Without ratification the U.S. does not have a seat at the table
 - Other states can amend it and U.S. has no voice in the process or must accept “as is” if modified with possibility that the treaty will include elements that are not consistent with national interests
2. U.S. inability to file for an Expanded Continental Shelf Claim
3. Ratification will provide security and confidence necessary for financial and technological investment in the Arctic
4. Continued U.S. non-ratification sets the stage and/or provides rationale for other states to disregard key aspects of the regime, such as FON, rights of EEZ ,or withdraw from the convention altogether
 - U.S. may not be in a strong position to defend U.S. and allies interests as protected by UNCLOS elsewhere (South China Sea)
5. Erosion of U.S. influence may have negative effects on U.S. interests with current and future partners, such as info sharing and MDA partnerships

Game purpose: Identify gaps that limit sustained maritime operations in the Arctic and recommend DOTMLPF-P actions in order to inform USN Leadership.

Objectives:

1. Develop a prioritized list of DOTMLPF-P maritime actions to support implementation of the Arctic Road Map at the Operational Level.
2. List DOTMLPF-P gaps in the maritime forces' ability to conduct sustained maritime operations in the Arctic.
3. Develop near-term strategies to mitigate identified gaps and update the Arctic Maritime Response Force CONOPs.

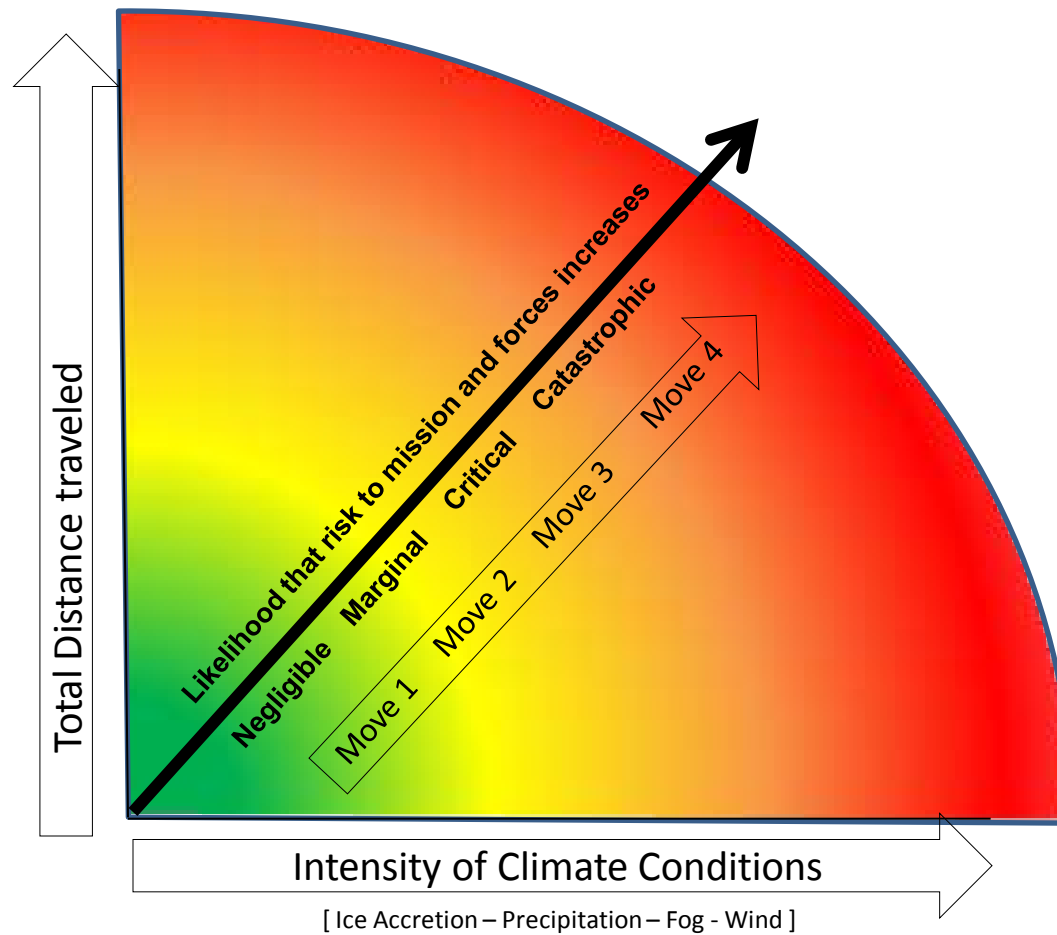


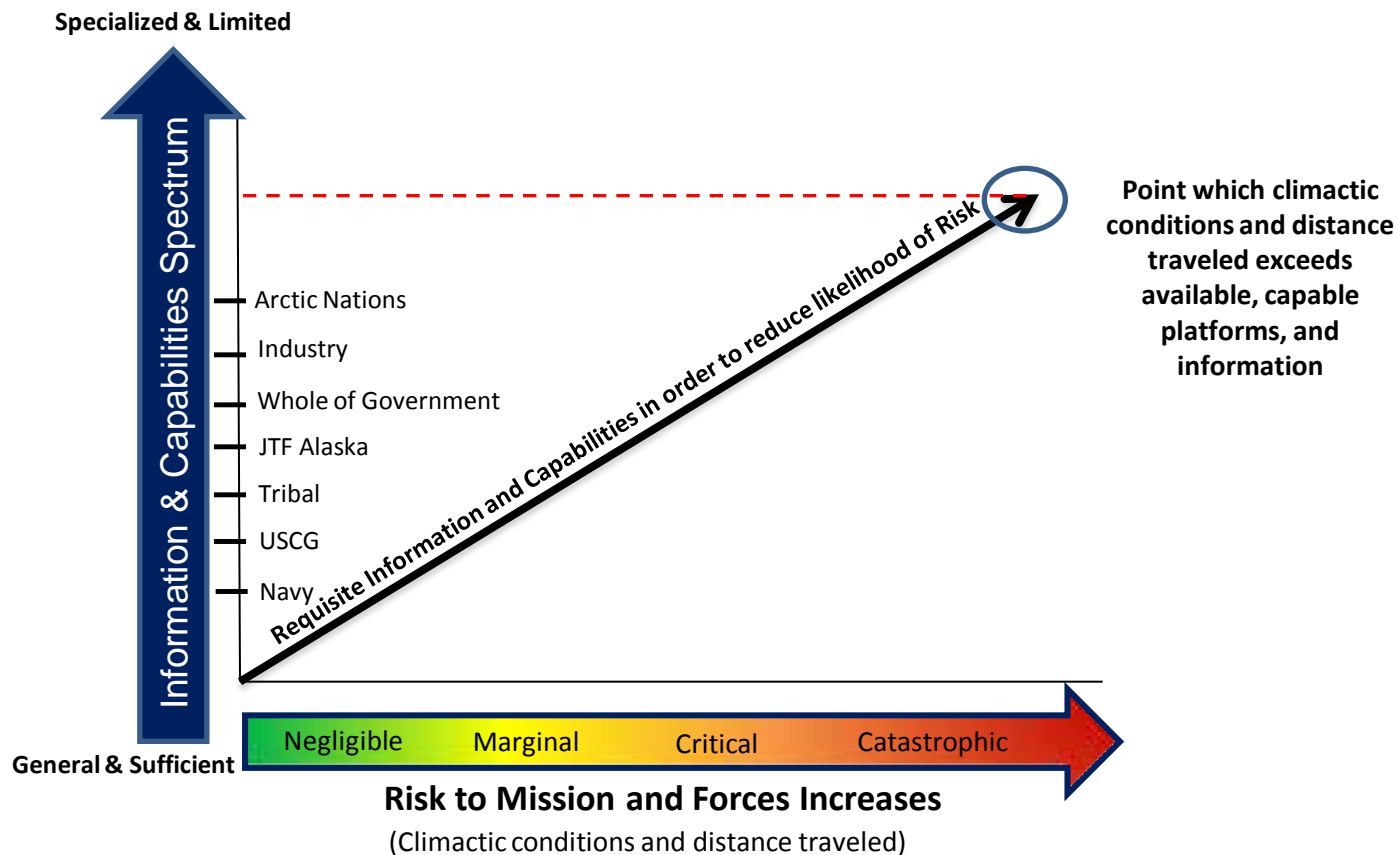
Game Conditions

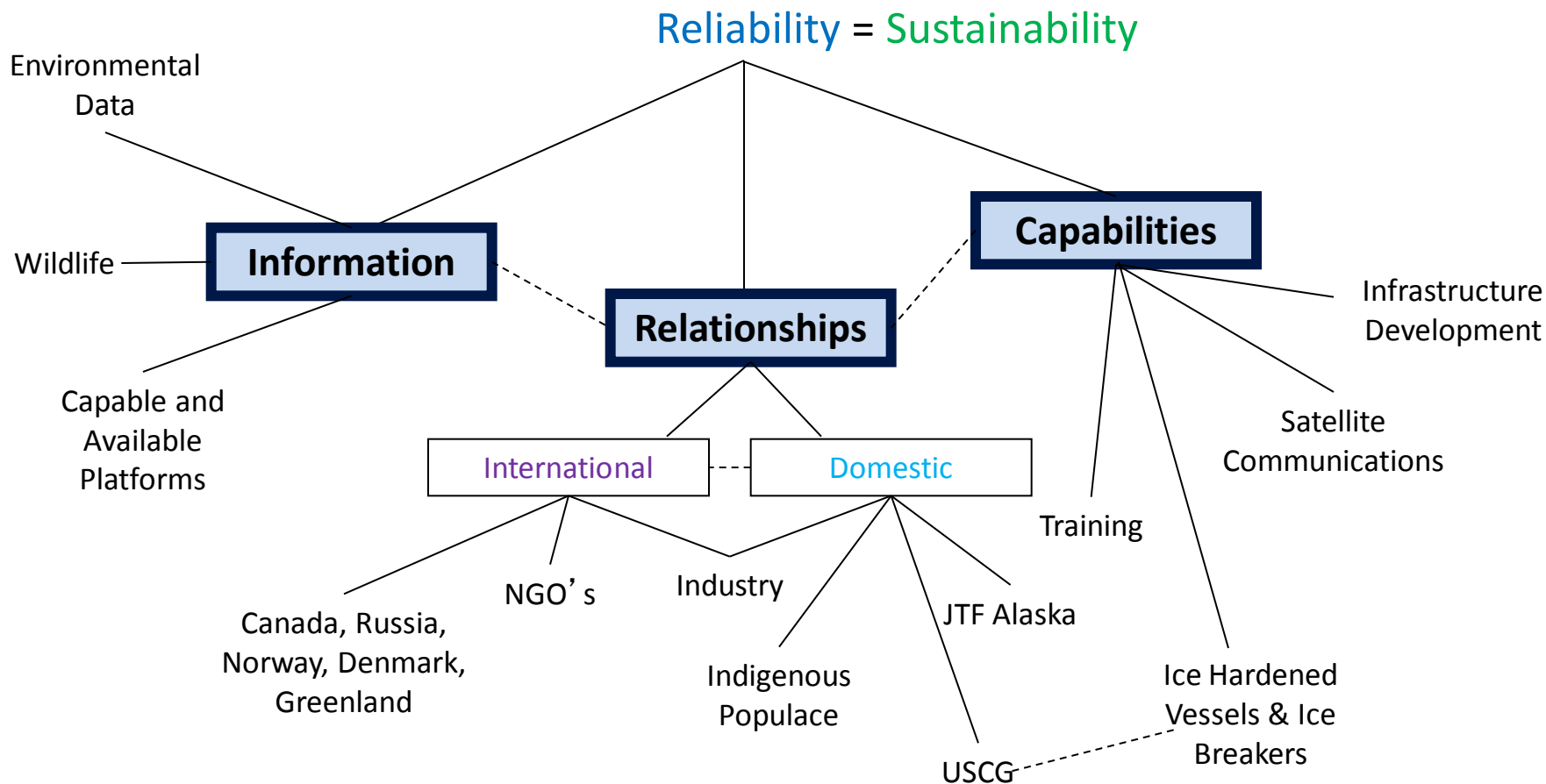
FLEET ARCTIC OPERATIONS GAME

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- Estimated 2013 capabilities for U.S. and international partners
- Status Quo International Agreements
- Sustain operations >90 days
- More challenging as game evolved (e.g., missions and conditions)
- East Coast and West Coast Teams
- Military operators and cold weather systems experts









Conclusions



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- Support ratification of UNCLOS
- Focus on MDA and SAR missions to improve relations
- Improve USN-USCG capabilities integration and interoperability through increased Arctic exercises, operations, and other engagement activities (e.g., workshops, games, studies etc.)
- Examine and improve capabilities and investment requirements through a joint USN-USCG strategy
- Expand international, private, and federal partnerships to leverage capabilities
- Acquire additional ice breaking capability, harden subset of LCACs, and improve communications infrastructure



Way Ahead

FLEET ARCTIC OPERATIONS GAME



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- Refine NSPD-66 US Arctic Policy
- Develop and implement...
 - US Arctic Strategy
 - DOD Arctic Strategy
 - Joint USN-USCG Arctic Strategy

Dr. Walter A. Berbrick
Assistant Research Professor
United States Naval War College
Center for Naval Warfare Studies
War Gaming Department
Tel: (401) 841-7286/E-mail: walter.berbrick@usnwc.edu

*An electronic copy of the Game Reports are available on the War Gaming
Department website at:
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