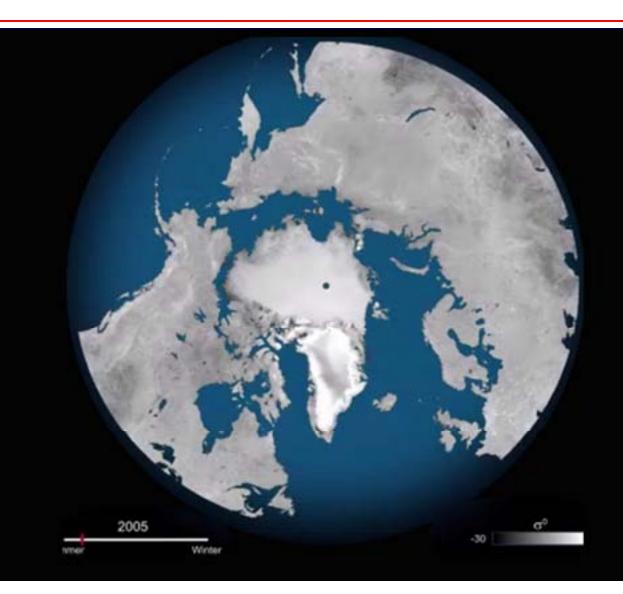


Naval Implications of an Ice Free Arctic







Issues and Opportunities



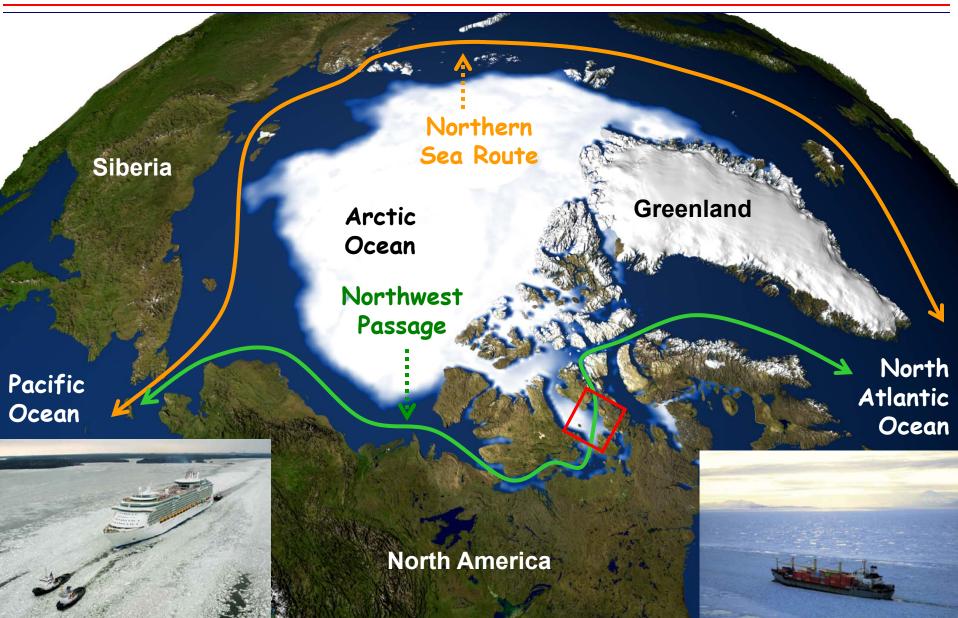
"If we do not change our direction, we are likely to end up right where we are headed."

- Transportation
- Commerce and Competition
- Weather Patterns
- Borders, Governance, Government
- Expanded Operating Areas



Transportation







Commerce and Competition

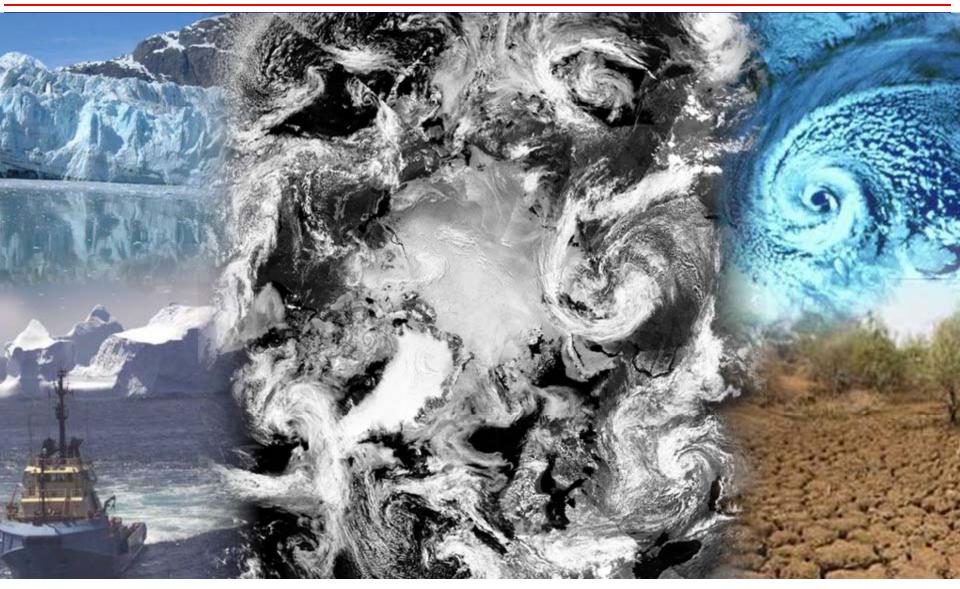






Weather Patterns

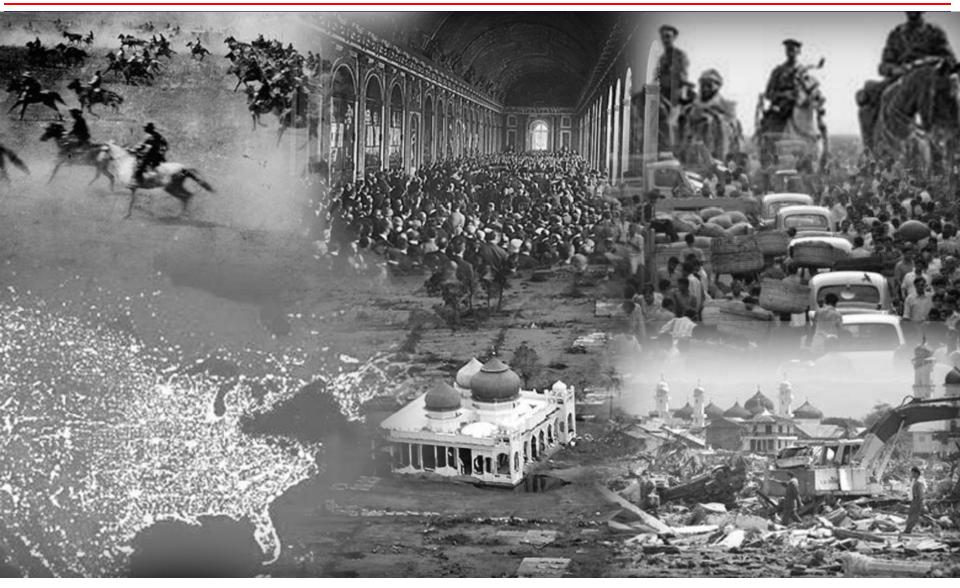






Borders, Governance, Government







Expanded Operating Areas







Conclusion



Humans are adaptable, this is a critical and evolving challenge, but one that can be overcome.

Huge challenges, but equally large opportunities.

Learn from the past and get this right. Will require leadership and focus.

Potential for new alliances...countries, NGOs, commercial partners, etc.

Capacity issues for the Navy, Coast Guard and Allies.

"Everyone agrees the Ocean is in Trouble – we know if we don't get moving now, in 10 years we may not be able to recover" James D. Watkins, ADM (ret)



Questions?



