

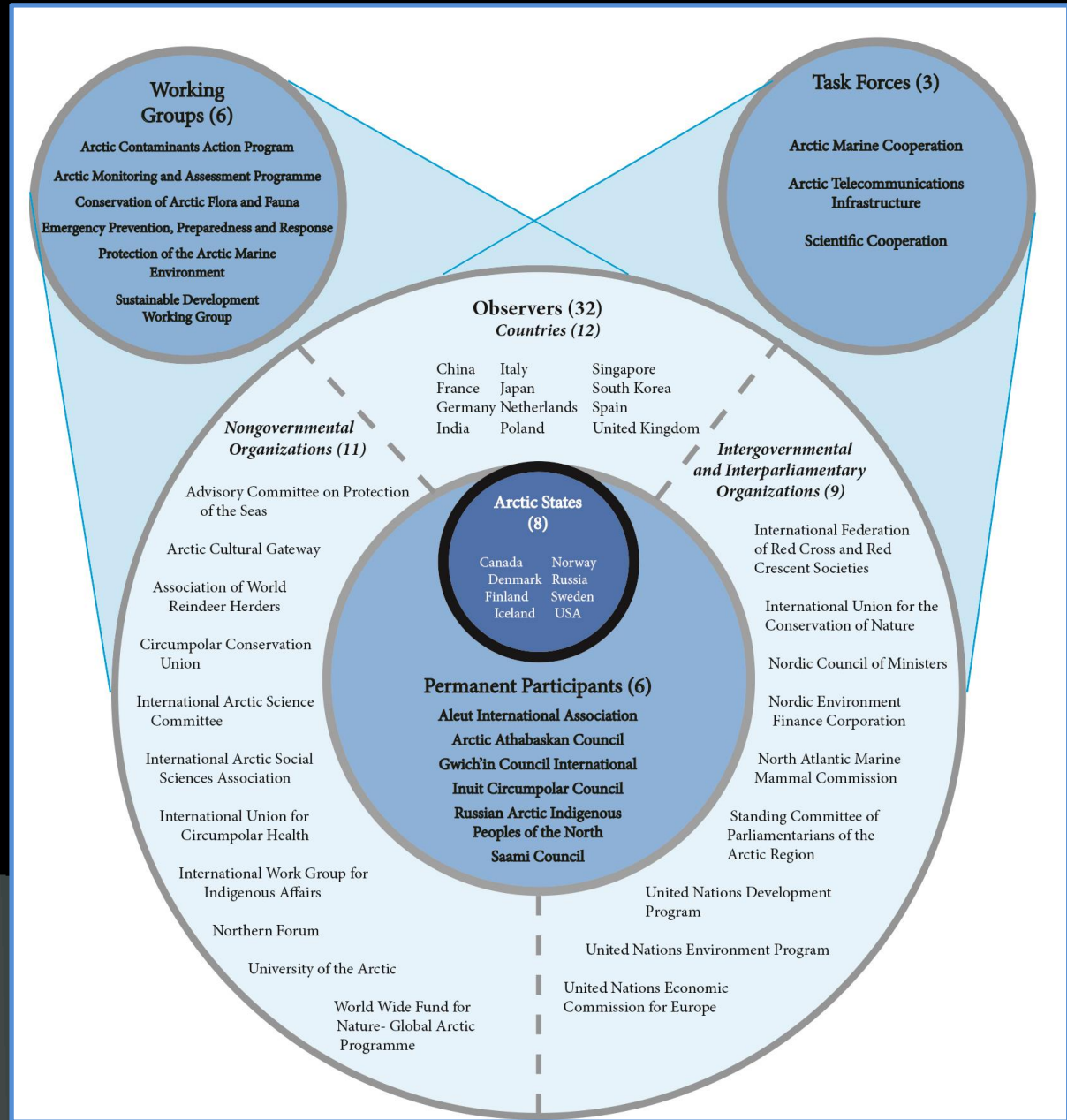


Emergency Response in the Arctic

Admiral Robert J. Papp, Jr.
U.S. Special Representative for the Arctic

November 2015

Arctic Council Structure: U.S. Chairmanship



U.S. National Interests in the Arctic

- National defense;
- Sovereign rights and responsibilities;
- Maritime safety;
- Energy and economic benefits;
- Environmental stewardship;
- Scientific research;
- Indigenous peoples and their rights & cultures;
- Preservation of the rights, freedoms, and uses of the sea as reflected in international law.

International Arctic Priorities

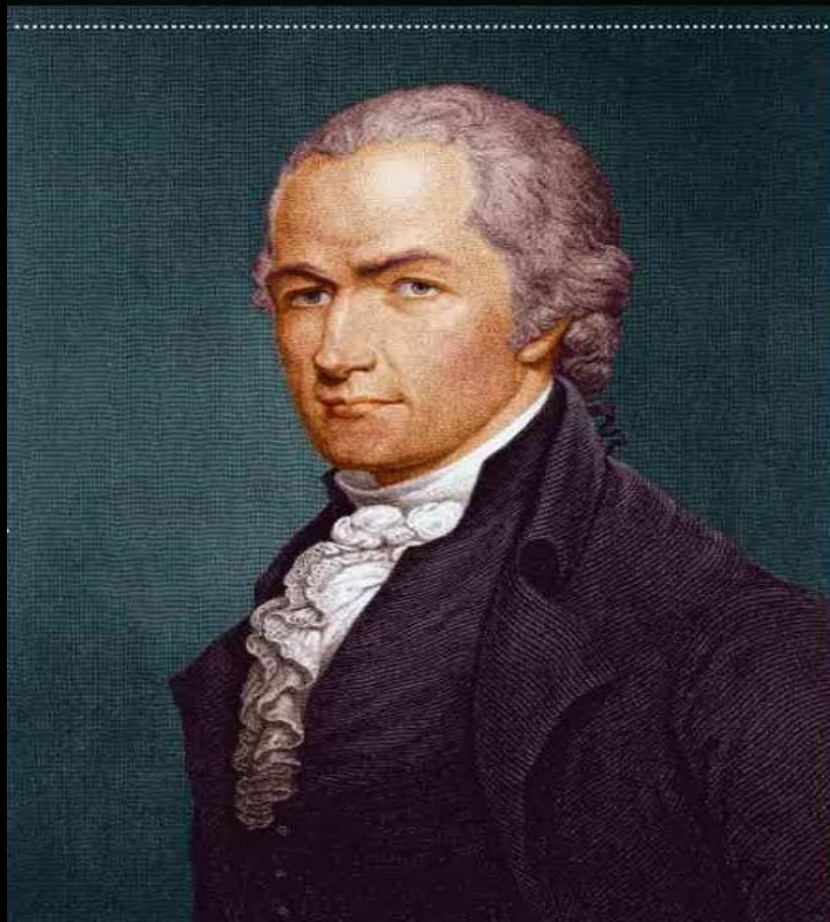
- Balanced thematic pillars of the Arctic Council during the US Chairmanship 2015-17:
 - Arctic Ocean Safety, Security, and Stewardship
 - Improving Economic and Living Conditions
 - Addressing Impacts of Climate Change
- Arctic as a region of stability, peace and international cooperation
- Arctic climate change impacts locally and globally





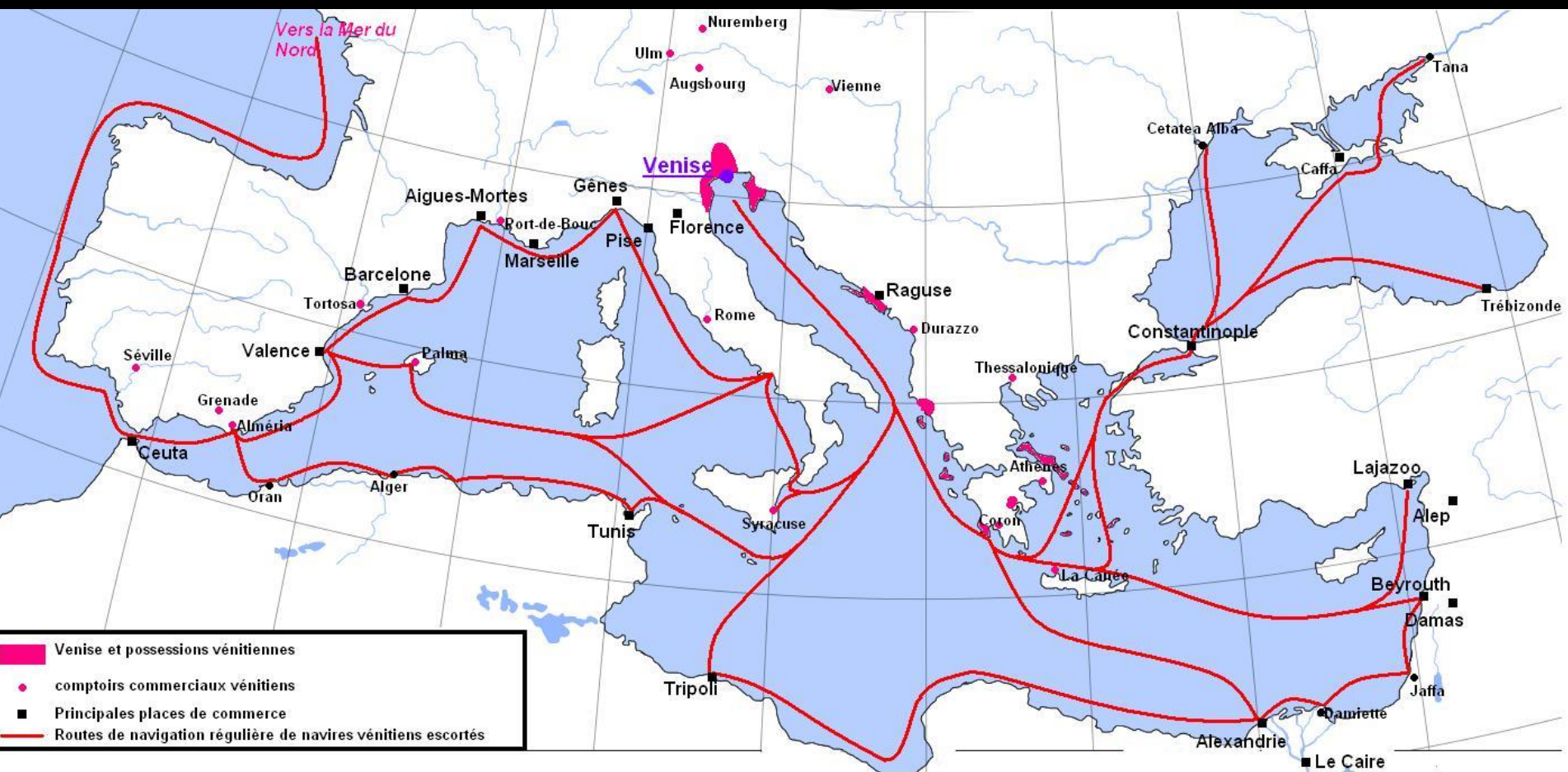
ALEXANDER HAMILTON

FOUNDING FATHER AND STATESMAN

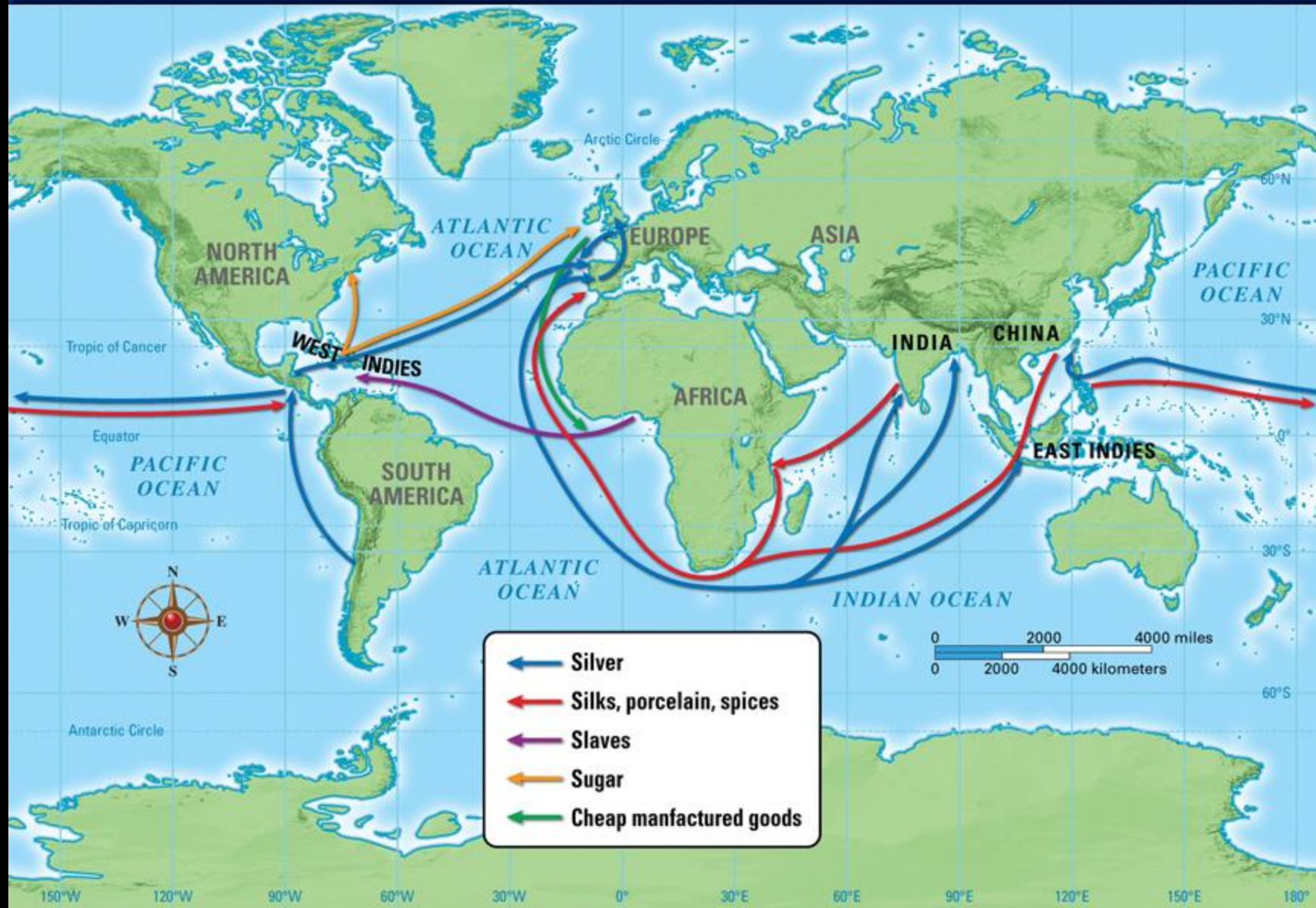


BY
Brenda
Haugen

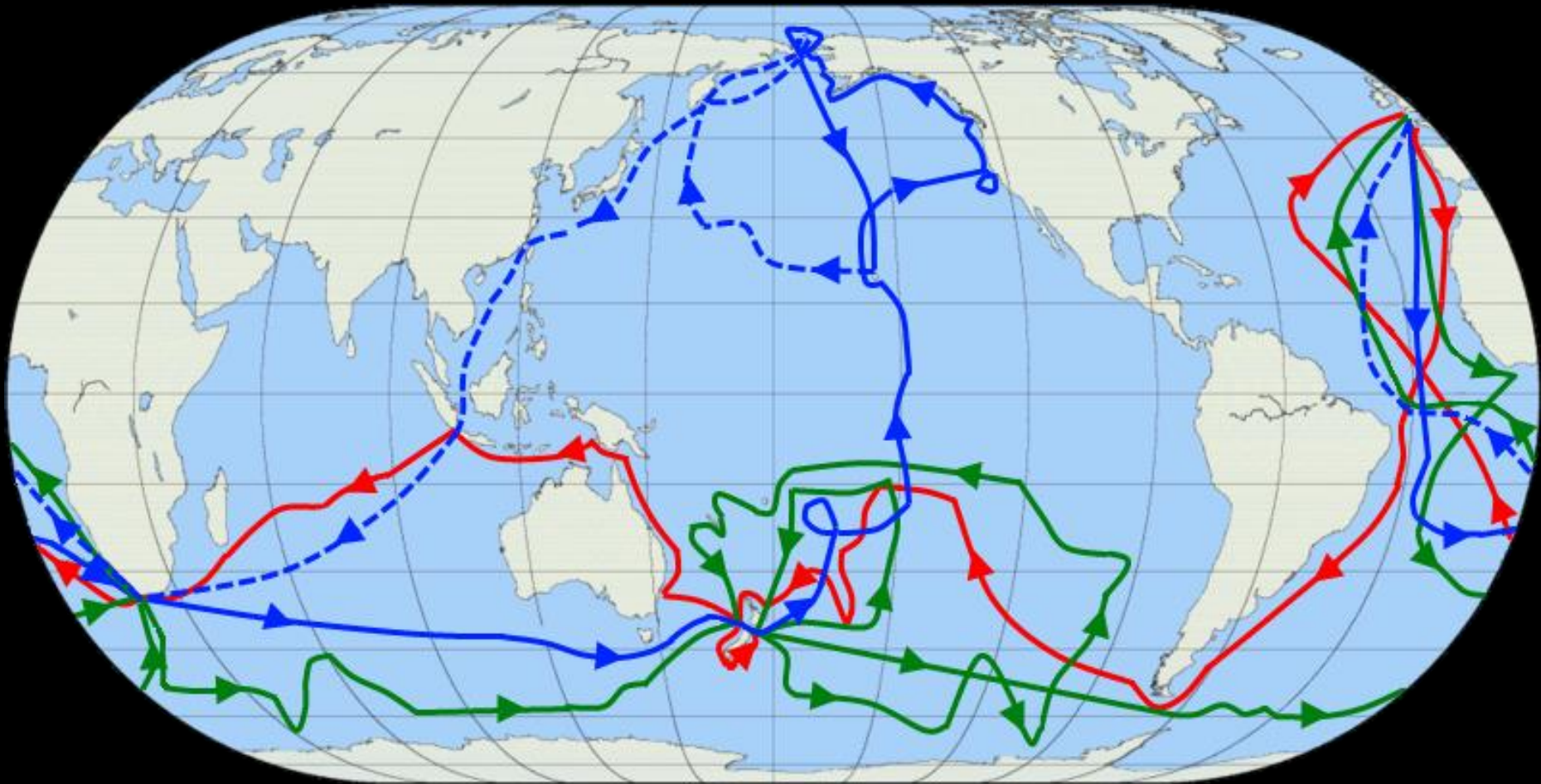
Signature
LIVES



World Trade Patterns 1500s and 1600s

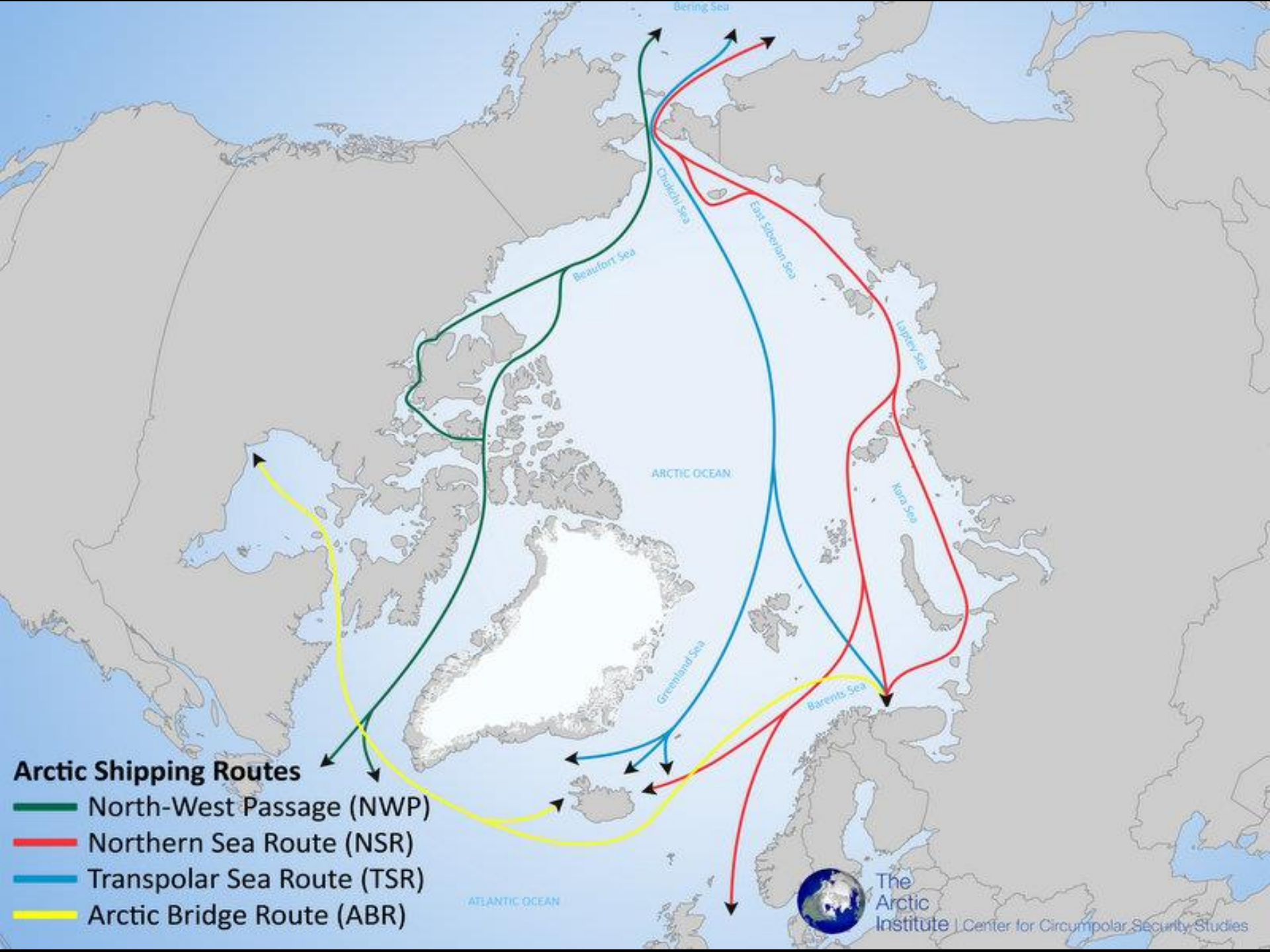


Tracks of Cook's Three Voyages



Red = *Endeavour* (1768-1771)
Green = *Resolution & Adventure* (1771-1775)
Blue = *Resolution & Discovery* (1776-1780)



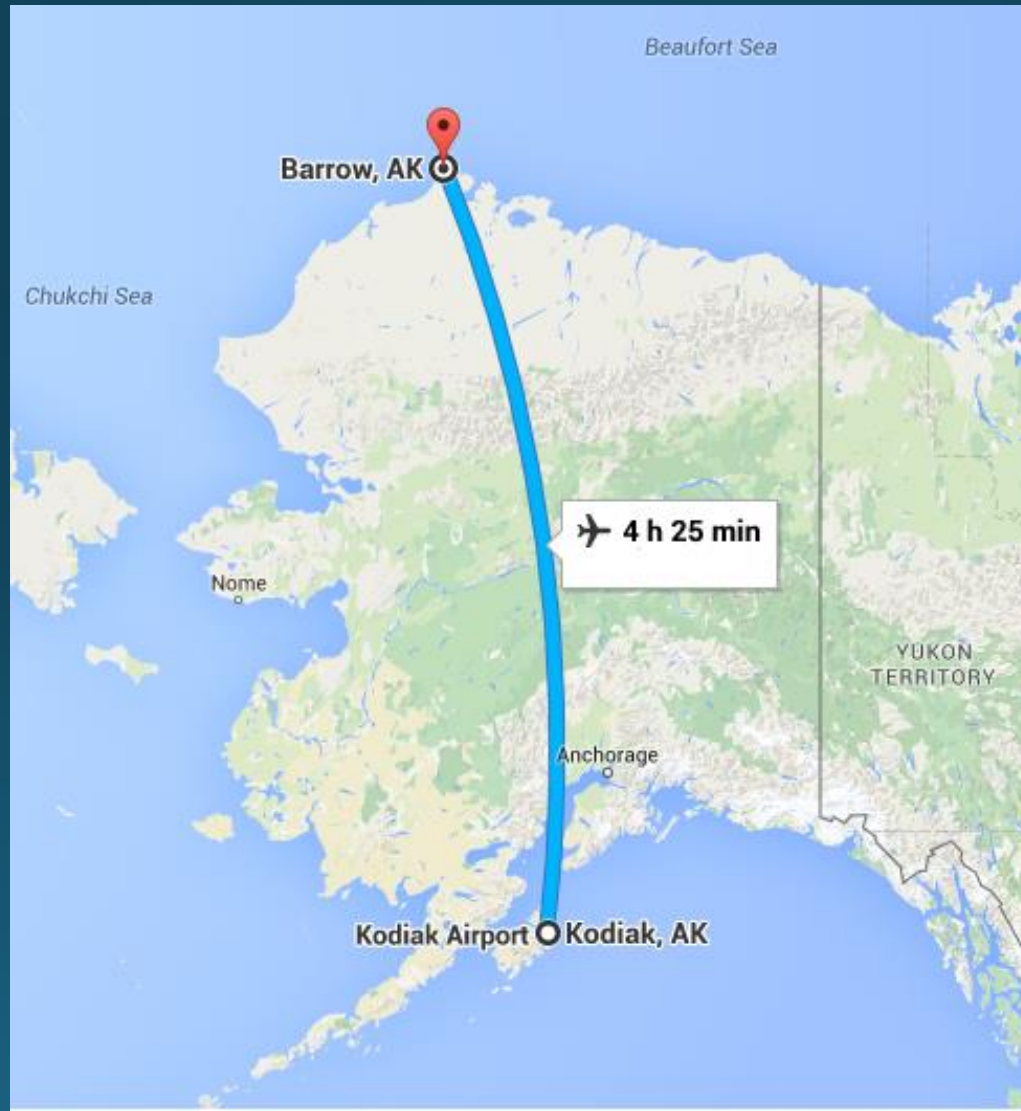


Arctic Shipping Routes

- North-West Passage (NWP)
- Northern Sea Route (NSR)
- Transpolar Sea Route (TSR)
- Arctic Bridge Route (ABR)



U.S. Emergency Response Capabilities: Coast Guard D17



U.S. Polar Icebreaker Capabilities

Source: July 28, 2015 Congressional Research Service Report

Table 1. U.S. Polar Icebreakers

	<i>Polar Star</i>	<i>Polar Sea</i>	<i>Healy</i>	<i>Palmer</i>
Operator	USCG	USCG	USCG	NSF
U.S.-Government owned?	Yes	Yes	Yes	No ^a
Currently operational?	Yes (reactivated on December 14, 2012)	No	Yes	Yes
Entered service	1976	1978	2000	1992
Length (feet)	399	399	420	308
Displacement (tons)	13,200	13,200	16,000	6,500
Icebreaking capability at 3 knots (ice thickness in feet)	6 feet	6 feet	4.5 feet	3 feet
Ice ramming capability (ice thickness in feet)	21 feet	21 feet	8 feet	n/a
Operating temperature	-60° Fahrenheit	-60° Fahrenheit	-50° Fahrenheit	n/a
Crew (when operational)	155 ^b	155 ^b	85 ^c	22
Additional scientific staff	32	32	35 ^d	27-37

Sources: Prepared by CRS using data from U.S. Coast Guard, National Research Council, National Science Foundation, Department of Homeland Security (DHS) Office of Inspector General, and (for *Palmer*) additional online reference sources. n/a is not available.

- a. Owned by Edison Chouest Offshore (ECO) of Galliano, LA, and leased to NSF through Raytheon Polar Services Company (RPSC).
- b. Includes 24 officers, 20 chief petty officers, 102 enlisted, and 9 in the aviation detachment.
- c. Includes 19 officers, 12 chief petty officers, and 54 enlisted.
- d. In addition to 85 crew members 85 and 35 scientists, the ship can accommodate another 15 surge personnel and 2 visitors.



The Need for Reliable Access to Remote Arctic Communities



The “Renda,” a Russian tanker
carrying fuel for Nome, Alaska
(January 2012)

U.S. Efforts to Improve Emergency- Response Preparedness and Capabilities in the Arctic



President Obama Speaking at GLACIER

August 31, 2015



Official White House Photo by Chuck Kennedy

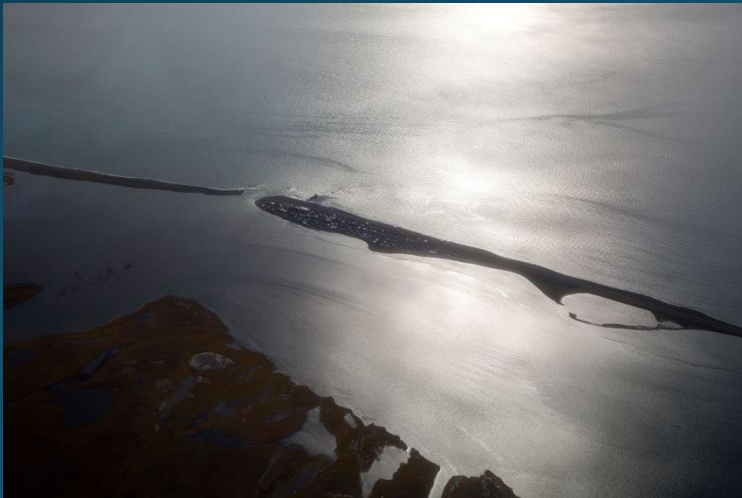
President Obama in Alaska Visiting Seward, Kivalina, and Kotzebue



Official White House Photo by Pete Souza



Official White House Photo by Chuck Kennedy



Official White House Photo by Pete Souza



Official White House Photo by Pete Souza

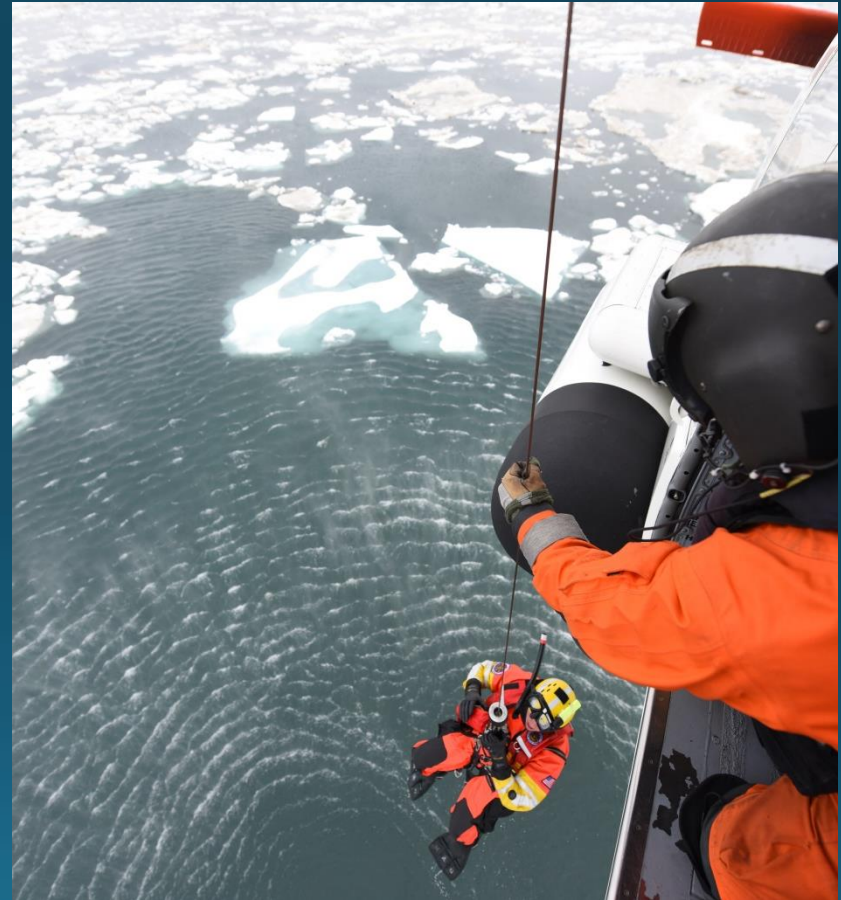
President Obama's Visit to the American Arctic

- **Safety and security**
 - New Icebreaker(s)
- **Enabling safe marine operations and transportation**
 - Mapping and charting efforts in the Bering, Chukchi and Beaufort Seas
- **Advancing Climate Resilience**
 - Naming of Denali Commission to coordinate Federal, State, Tribal resources to assist communities to address impact of climate change
- **Access to Clean Energy Solutions**
 - New \$4 million initiative by remote Alaskan communities to adopt sustainable energy strategies, through a competitive effort
- **Releasing new climate data and tools**
 - NSF is making available in both hard-copy and explorable-digital formats the most comprehensive pan-Arctic map ever published by USG

U.S. Arctic Council Chairmanship Priority: *Arctic Ocean Safety, Security and Stewardship*

Search & Rescue

- October 2015 “Arctic Zephyr” SAR tabletop exercise
- Proposed Summer 2016 live SAR exercise in the Beaufort Sea.



U.S. Arctic Council Chairmanship Priority: *Arctic Ocean Safety, Security and Stewardship*

Marine Oil Spill Response

- September 2015 Marine Oil Spill Pollution Agreement Workshop
- 2016 tabletop exercise



Thank you

