



Ted Stevens  
Center for Arctic  
Security Studies

*Kelsey Frazier  
AWA Committee Meeting  
November 1, 2022*



UNCLASSIFIED



# Who is your speaker?



A very nifty ice cave in Reykjavik, Iceland

- Born and raised in Anchorage
- M.S. in Mechanical Engineering ... Ph.D. in 2023
- Research focused on oil spills under ice and modeling complex surfaces
- Worked through undergrad/grad school with ADAC; fell in love with confluence of science and security challenges
  - The art of DOING

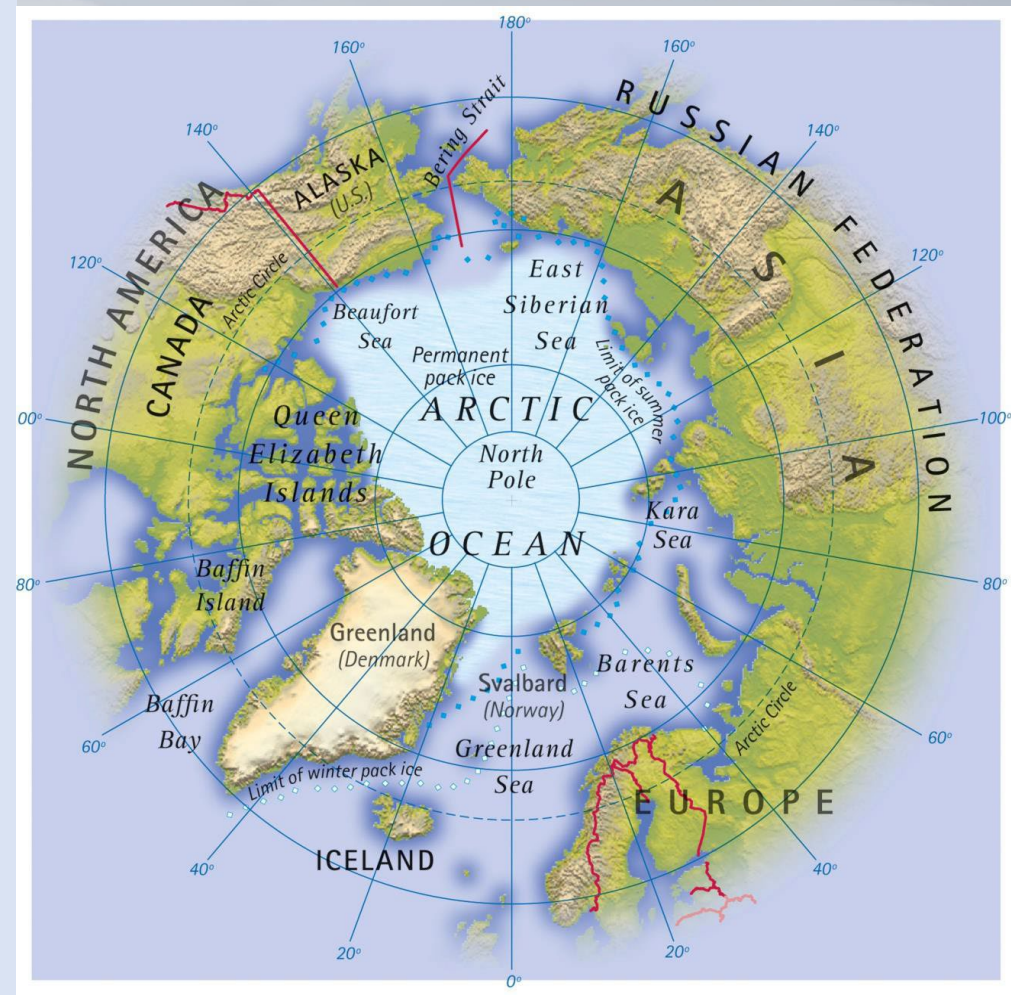
What does a **Research Analyst** do?

- Look for gaps in knowledge and capabilities in the Arctic security landscape (very broad)
- Pull out those key pieces that need further investigation (whittling it down)
- Run research projects, collaborate with other researchers/teams, and support workshops leading to new knowledge (finer resolution)
- Write it up, present it, publish all things.



# The Ted Steven Center

- **Newest Regional Center**
  - **Established in the NDAA 21 combined DoD effort**
  - **NDAA 22 established the TSC in alignment with prior established DoD Regional Centers**
- **Location-JBER Anchorage, Alaska**
- **Report directly to DASD Arctic & Global Resilience**
  - **Alignment with USNORTHCOM, CO**



# Joining the Family of Established Centers



**George C. Marshall  
European Center  
for Security  
Studies  
(Marshall  
Center) 1993  
Germany**

**William J. Perry  
Center for  
Hemispheric  
Defense  
Studies (Perry  
Center) 1997  
Washington DC**

**Near East South  
Asia Center for  
Strategic Studies  
(NESA) 2000  
Washington DC**



**Daniel K. Inouye  
Asia-Pacific  
Center for  
Security Studies  
(DKI APCSS) 1995  
Hawaii**

**Africa Center for  
Strategic Studies (ACSS)  
1999 Washington DC**

**Ted Stevens Center for  
Arctic Security Studies  
(TSC) 2021 Anchorage  
Alaska**



# Mission and Values

- **Vision: Using analysis, education, and engagement**
  - Advance Arctic awareness and understanding
  - Promote collaborative security focused groups within the Arctic region
- **Mission: Build strong global networks**
  - Support DoD security priorities
  - Propose useful solutions
  - Deliver relevant education to promote Arctic awareness and understanding





# TSC Fundamentals

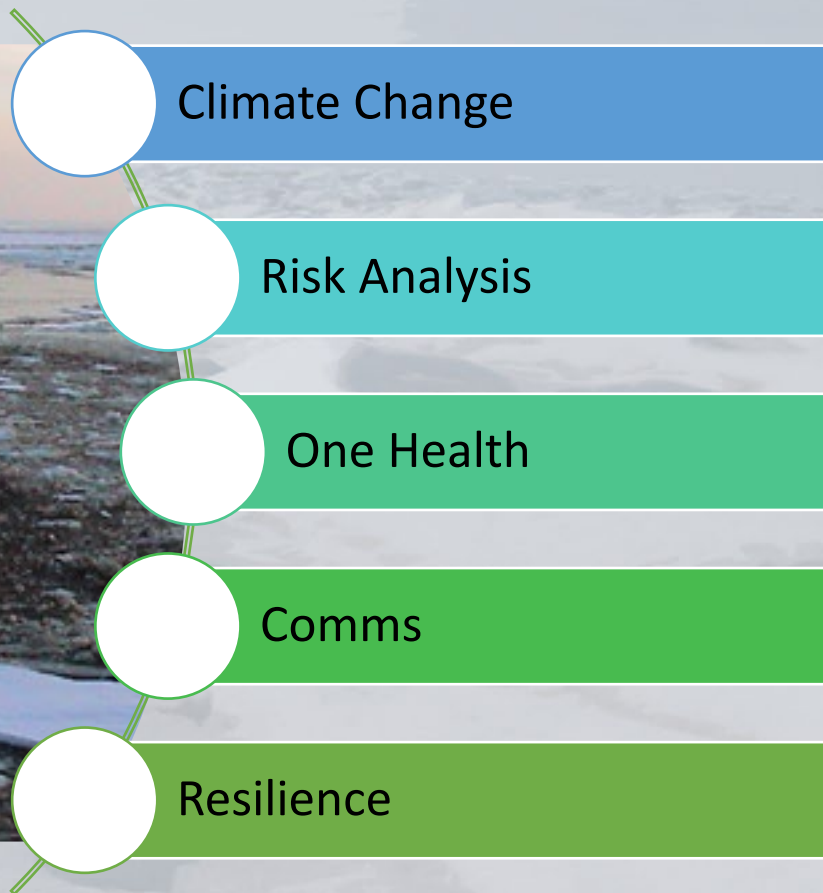
- The TSC will build a global network of Arctic security focused leaders and partners
  - Connecting a wide array of U.S. and Pan-Arctic practitioners including Arctic Indigenous Communities
  - Advancing Arctic awareness, DoD Arctic priorities, Promote rules-based order in the Arctic, Build awareness of changing Arctic climate
- 3 Mission Pillars of the TSC
  - Executive Education
    - Course designed to benefit DoD, Allies, and Partners
  - Engagement/Outreach
    - Build network of civilian and military practitioners to continue global Arctic focused discussions, intersecting and including other regional centers interests
  - **Research and Analysis**
    - Multidisciplinary research and partnerships to support Arctic region



# Ted Stevens Center Annual Workplan Themes



Image from Finnish Environment Institute (SYKE)





# Types of Research at TSC

## Three proposed projects TSC is considering:

- **“North Atlantic Arctic Crises Response Workshop”** – workshop focused on identifying gaps in capabilities around international cooperation and coordination for crisis (spill) response
- **Radiation Contamination** – What happens if a nuclear vessel experiences difficulties in US Arctic waters? Responding to an incident with a damaged reactor or ship run aground carries challenges very different than ships using crude based energy. Workshop or paper focused on investigating these issues in the Arctic
- **International oil spill simulations** - oil spill models for the Arctic exist. Run the models, with sea ice cover, and under variable conditions and explore the international implications of oil migrating across maritime boundaries, environmental response and clean up efforts, and climate related challenges. Include private/academic models in addition to Federal ones.

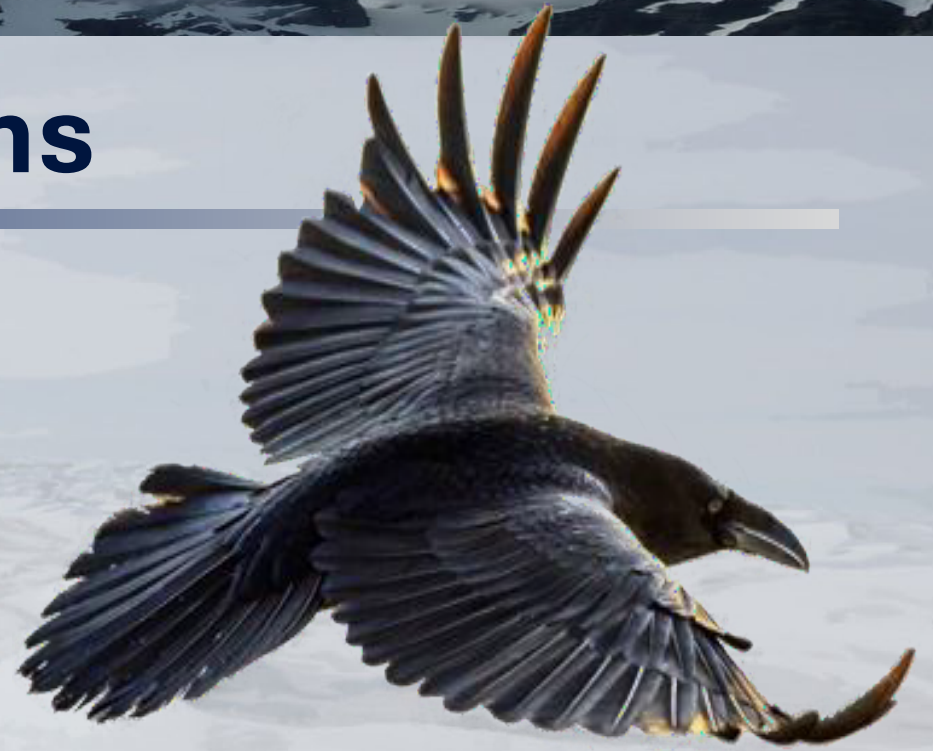
**What else would be helpful?**



# Questions & Suggestions

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The Raven is known across the Arctic as a guide to help people make sense of their world. The Ted Stevens Center will attempt to create a pathway of knowledge through the many layers of the Arctic. The end goal- to support the U.S., Allies, and Partners in the evolving security of the Arctic