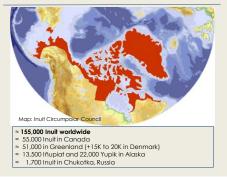


Dr. Noor Johnson Fulbright Arctic Initiative Scholar Senior Policy Advisor, Office of International Relations, Smithsonian Institution



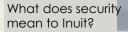
Circumpolar Inuit Regions



Circumpolar Inuit Regions







"Security doesn't come from the comfort that some find in icebreakers, sonars, and military capabilities...

Security from our societal perspective comes from access to the basic essentials of life: food, shelter and water.'

- Udlorak Hansen, Inuit Tapiriit Kanatami (ITK 2013)



Food Security in Clyde River, NU

Main subsistence species: Ringed seal, caribou, narwhal, Arctic char Early 2000s: Nearly 2000 lb of ringed seal per household per year Slight increase from 1980s, but over same period, population increase of 250 – 300% (Wenzel 1991, 2005)











Source: Alaskan Inuit Food Security Conceptual Framework: How to Assess the Arctic from an Inuit Perspective (ICC 2015)



Water/Ice

"Life in the Arctic is dependent on movement, and sea ice is integral to that movement"

- The Sea Ice Is Our Highway (ICC 2008)



Community-based sea ice monitoring



Photos: Shari Gearheard



Knowledge co-production: Collaborative development of knowledge by Indigenous knowledge holders and conventional scientists.

Housing and Infrastructure



 Housing crisis in Nunavut – Majority of households live in Waiting list of more than 2,000 households
Many 2 – 3 bedroom units housing 3 generations

Climate Change & Infrastructure

Severe storms & high wind events, coastal erosion: Houses and infrastructure repair, relocation needed

Permafrost melt:

 Slumping of housing, asphalt, bridges, other infrastructure

Wildfires: • 2015 – Wildfires in Alaska equal to size of state of Massachusetts

Shipping, oil and gas infrastructure:

· Increased services, increased risk for wildlife/subsistence

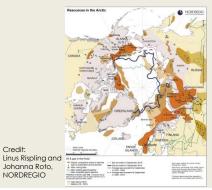


Shishmaref, Alaska



Tuktoyaktuk, NWT, Canada

Resources & Infrastructure









Strengthening Environmental Security

- Use precautionary principle in development, shipping priority for harvesters
- Mitigate climate change
- Support adaptation (relocation, infrastructure)
- Address gaps in basic needs (housing, food)
- Support Indigenous knowledge transmission & cultural programs
- Devolve decision-making/ involve Arctic Indigenous residents
- Community-based monitoring/observing need for local, baseline information