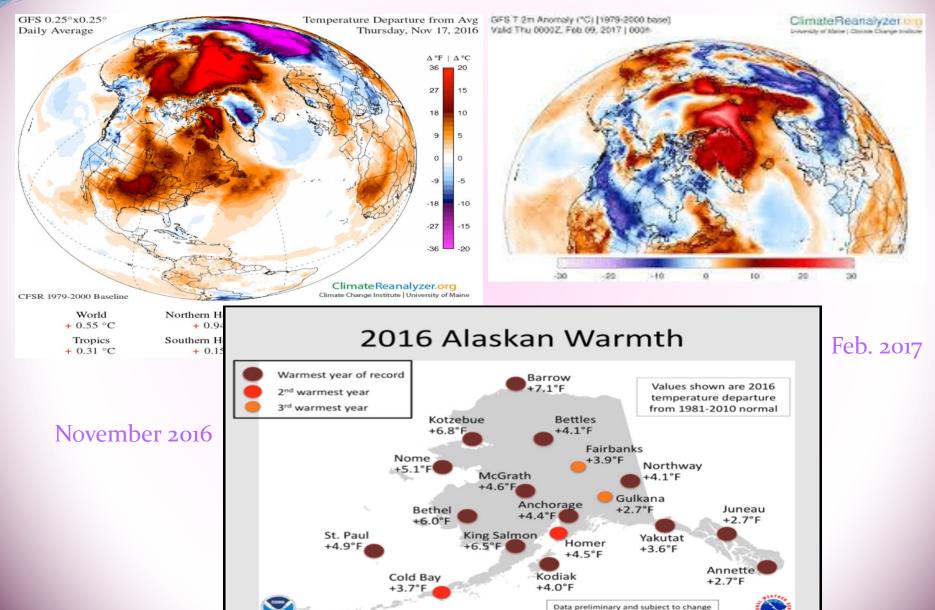
Designing and Implementing a Governance Framework for Community-Led Planned Relocation

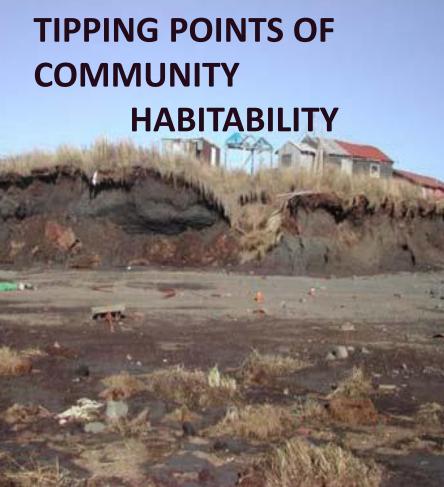
KNOMAD April 2017

Dr. Robin Bronen, J.D. Alaska Institute for Justice

POLAR AMPLIFICATION



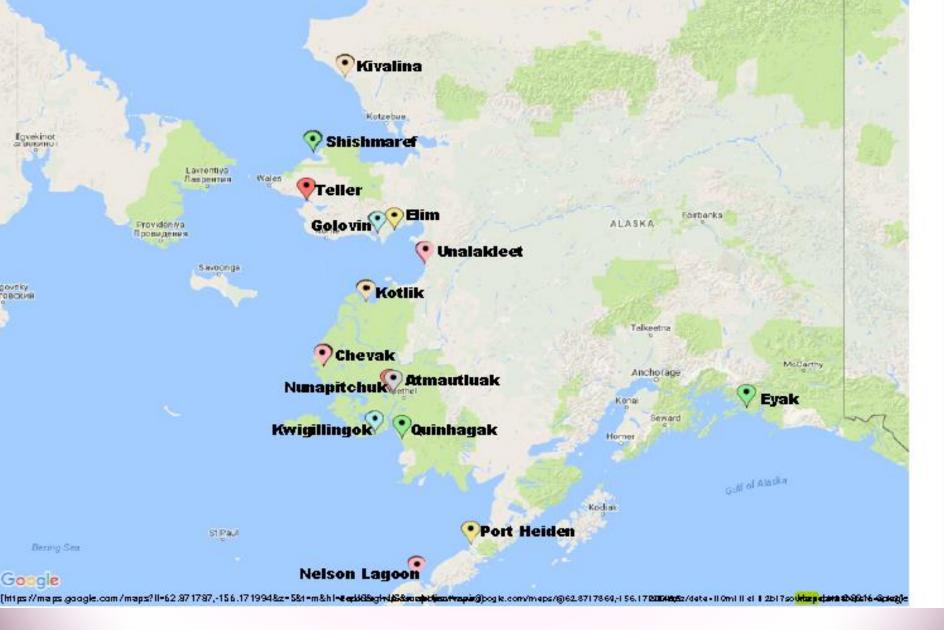




Photos: Frank Myoumick-Kawerak

Combination of repeated and frequent extreme weather events and slow-ongoing environmental change: decreased arctic sea ice, thawing permafrost and accelerated rates of erosion

Robin Bronen, JD, PhD Alaska Institute for Justice robin.bronen@akijp.org



All imminently threatened by flooding and erosion.

Two made the decision to relocate

What Is Planned Relocation In Alaska?

- Right to Self–Determination
 - Tribe decides whether relocation occurs
 - Tribe decides location of relocation site
 - Tribe maintains access to subsistence resources
 - Relocation provides opportunity to improve living standards
- Disaster Risk Reduction Strategy
 - Relocation Occurs Prior to Displacement Caused by Extreme Weather Event

THREE GOVERNANCE ISSUES

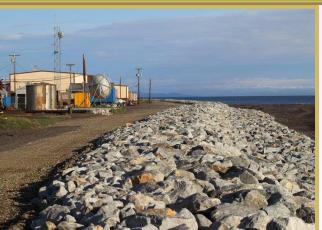
- No government agency has the mandate or funding to relocate a community
- No institutional framework to determine the point in time when relocation needs to occur
 - What is the institutional process for relocation to occur prior to the occurrence of an extreme weather event that displaces people?
- How can human rights be protected?

ADAPTIVE RELOCATION GOVERNANCE FRAMEWORK HUMAN RIGHTS PROTECTIONS

Protection in Place



Community Relocation



Relocation Indicators



Relocation Governance Design



Four Components

- 1. Federal Legislation
- 2. Good Governance
- 3. Social-Environmental Monitoring
- 4. Funding

Integration of Indigenous Knowledge with Western Science

- Storm Forecasting
- Documentation of flooding and erosion events
- Install erosion and shoreline change monitoring time lapse cameras in 5 communities





Kwigillingok: Erosion along barge landing site on Kuskokwim Bay in 2011. Yellow plastic poles are placed along the bank to measure rates of erosion.

1985 Bank erosion protection Kotlik: Victor Tonunchuk

Acknowledgements



- Native Village of Kwigillingok
- Native Village of Nelson Lagoon
- Native Village of Nunapitchuk
- Native Village of Port Heiden
- Native Village of Kwinhagak
- Native Village of Shishmaref
- Native Village of Teller
- Native Village of Unalakleet

- Chinik Eskimo Community
- Native Village of Elim
- Native Village of Eyak
- City of Kivalina
- Native Village of Kivalina
- Village of Kotlik