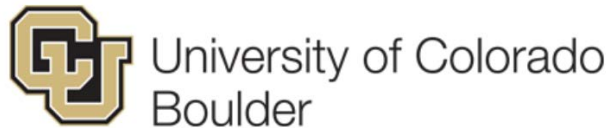


# NNA | Navigating the New Arctic CO | Community Office

Matthew Druckenmiller

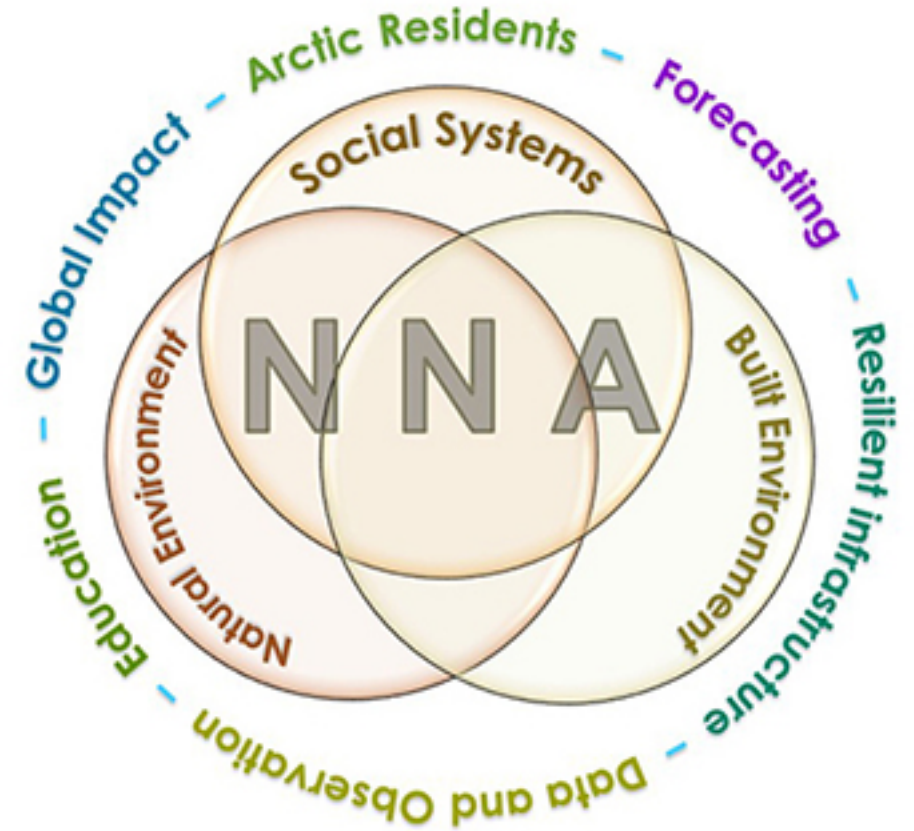
26 March 2022





# Navigating the New Arctic (NNA)

- One of NSF's 10 "Big Idea" Initiatives
- Innovative action-oriented and societally-relevant research that addresses the interactions among natural and built environments and social systems
- Strong emphasis on co-production of knowledge
- 90+ awards/collaborative awards funded



NNA projects have a wide geographic reach,  
but most are in Alaska

## NNA Project Locations





# Advancing Sustainable Arctic Infrastructure through NNA

- Community Water Infrastructure
- Migration & Community Relocation
- Climate–Ecosystem–Infrastructure Interactions
- Impacts of Permafrost Degradation
- Landslides, debris flows, and slope failures
- Seismic Resiliency
- New forms for monitoring: from citizen-science to machine learning to community-scale sensor networks

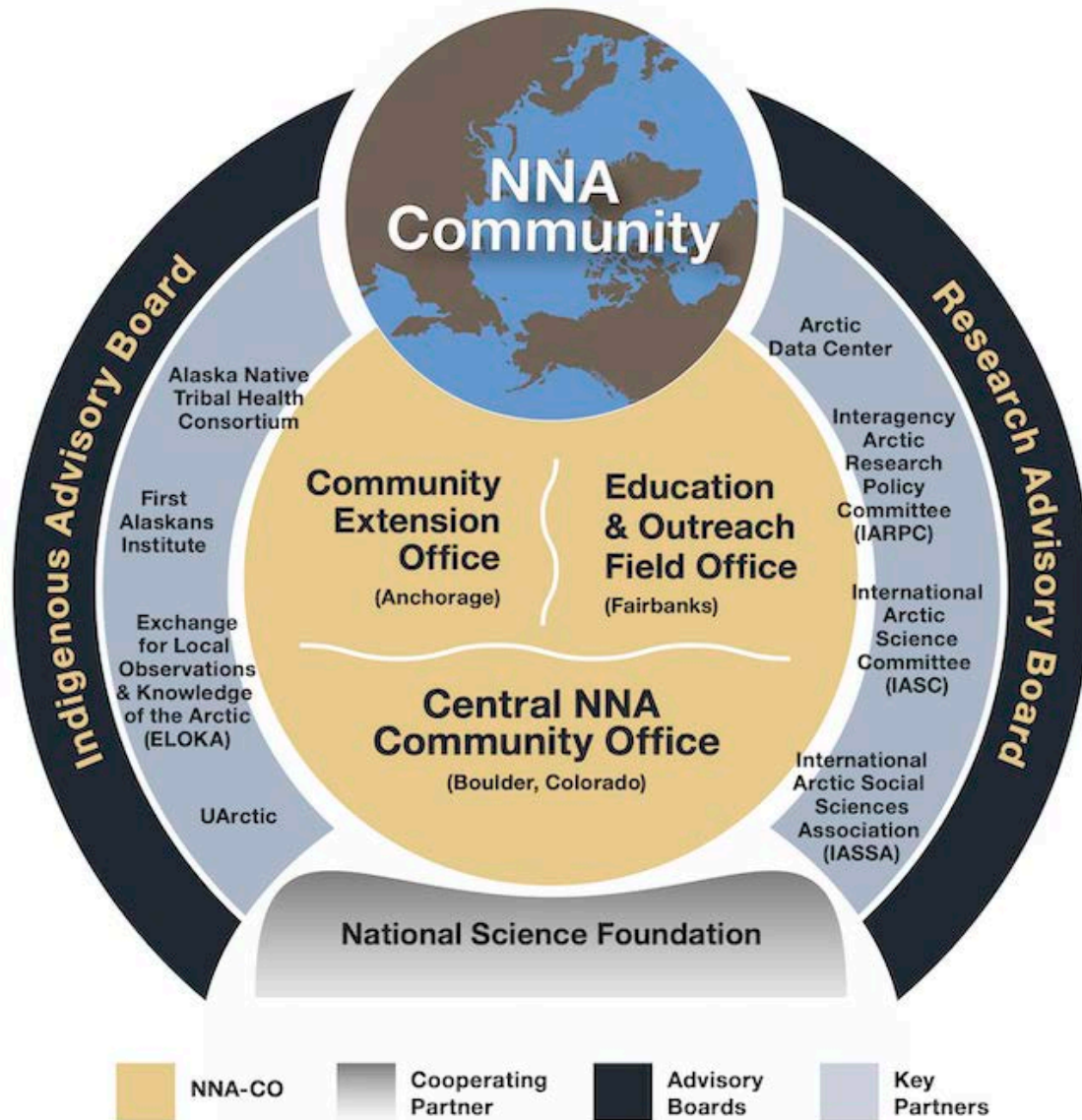
# Themes throughout NNA Infrastructure Research

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- Mapping hazards & critical infrastructure
- Local community engagement
- Education and outreach
- Supporting early career researchers
- Developing foundations for future research collaborations:
  - Needs assessments (data, training, decision-making tools, etc.)
  - Building relationships



# NNA CO | Navigating the New Arctic Community Office



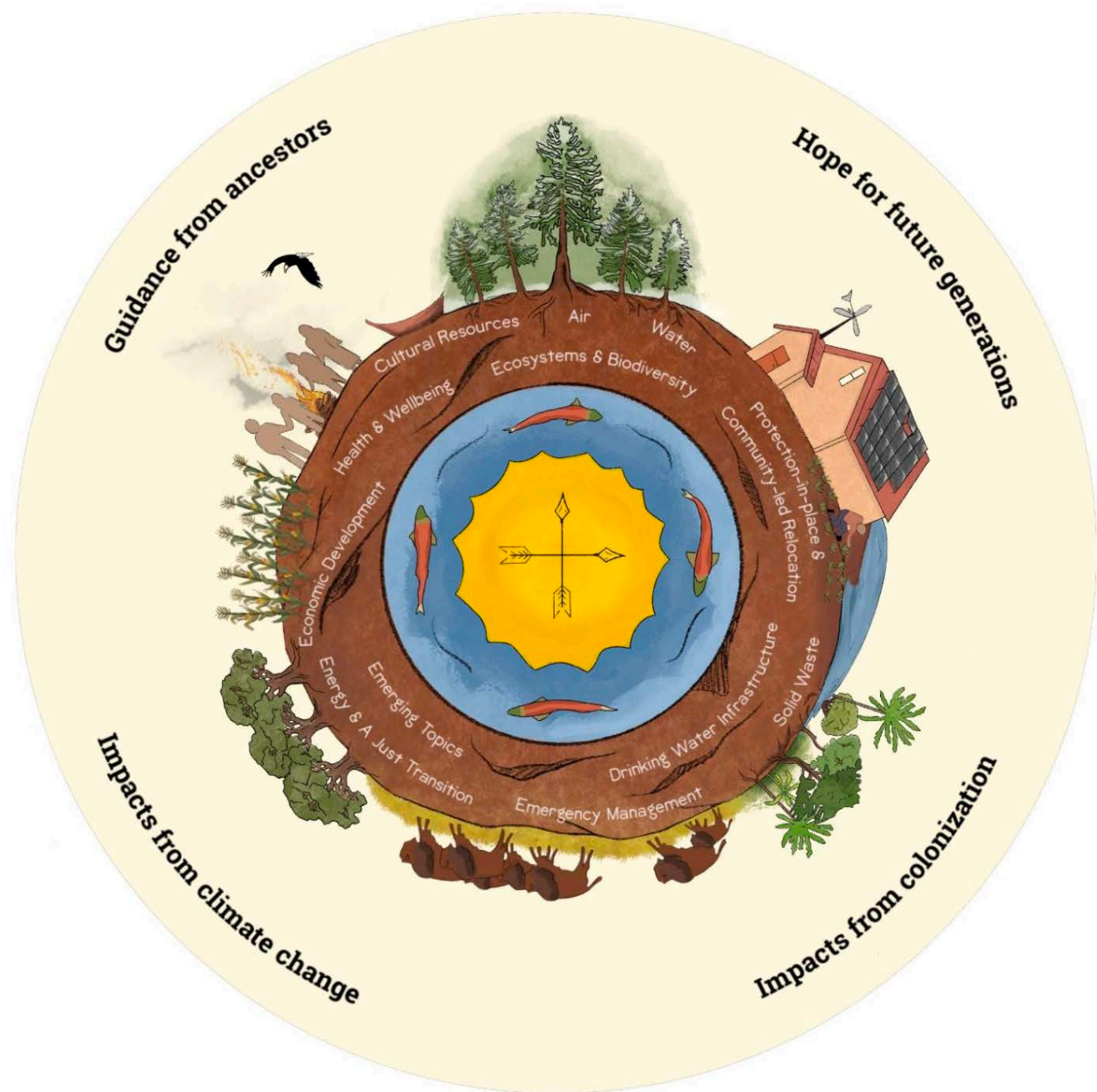
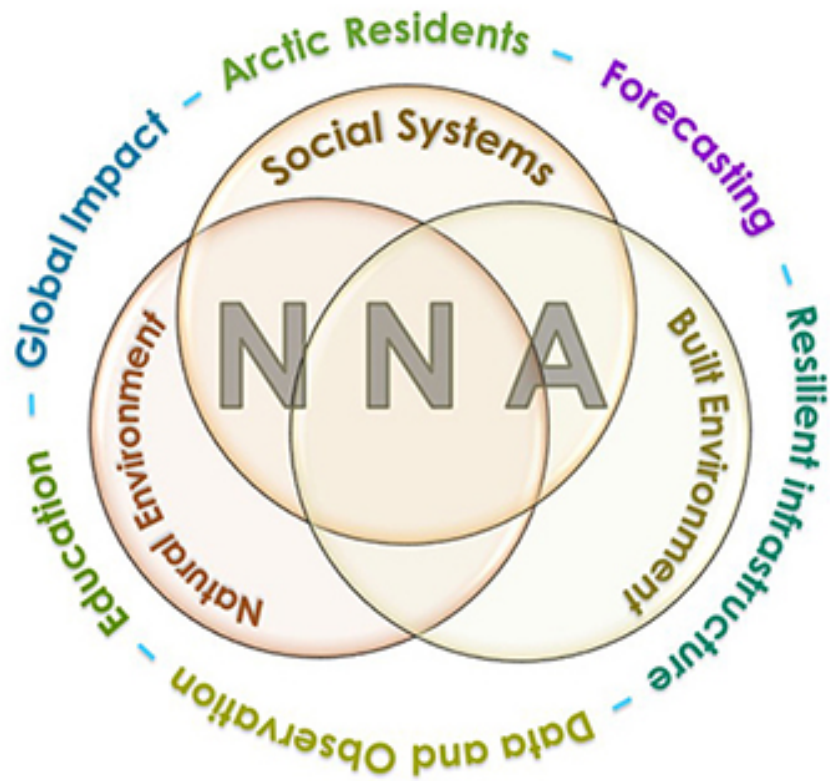
<https://nna-co.org/about>

## Potential NNN-CO support for Sustainable Arctic Infrastructure research:

### 1. Outreach and Engagement Materials:

- Bi-annual print "Periodical" to support and strengthen research dissemination to community and Tribal leaders
- Quarterly Podcast to center Indigenous Voices

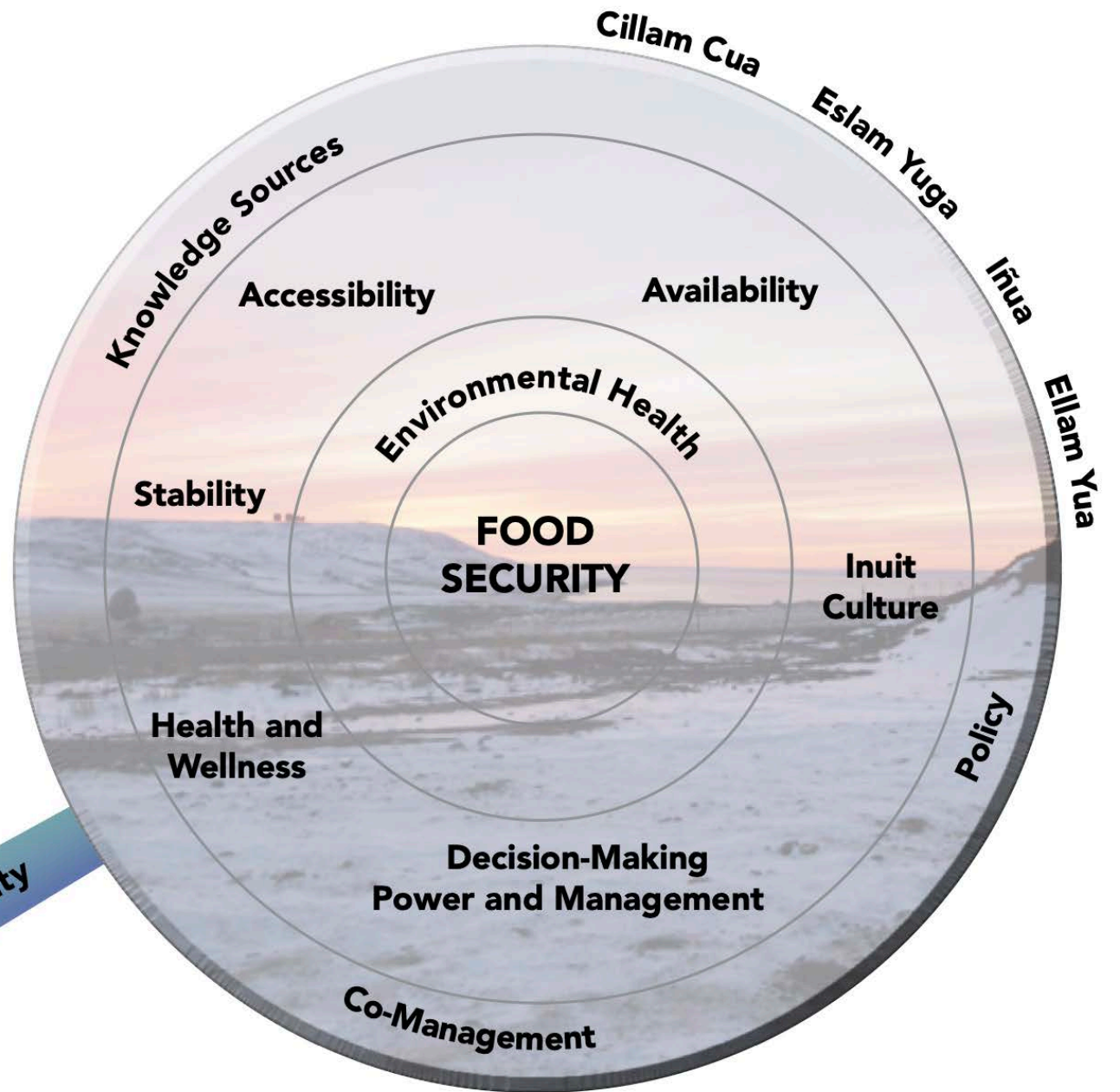








**Food Sovereignty**



## Potential NNA-CO support for Sustainable Arctic Infrastructure research:

1. Outreach and Engagement Materials:
  - Bi-annual print "Periodical" to support and strengthen research dissemination to community and Tribal leaders
  - Quarterly Podcast to center Indigenous Voices
2. Developing an NNA Project Mapping System & Research Synthesis Reports
  - *Potential for synthesis report on NNA infrastructure research*
3. Convergence Working Groups



## Convergence Working Groups

- Bringing together NNA projects and key partners for cumulative and broader impact
- Supported by Early Career Fellows
- Documenting and sharing collaboration process and best practices
- Creating custom data web-portals (with Arctic Data Center)





**The NNA-CO is supported through a cooperative agreement (Award # 2040729) with the National Science Foundation.**

