



Navigating the New Arctic Community Office

INFRASTRUCTURE FUTURES CONVERGENCE WORKING GROUP

May 2024 - May 2025

WORKING GROUP PRINCIPLES:

The Infrastructure Futures Working Group activities were guided by three key principles. These principles continue to guide activities that have grown out of the Working Group:

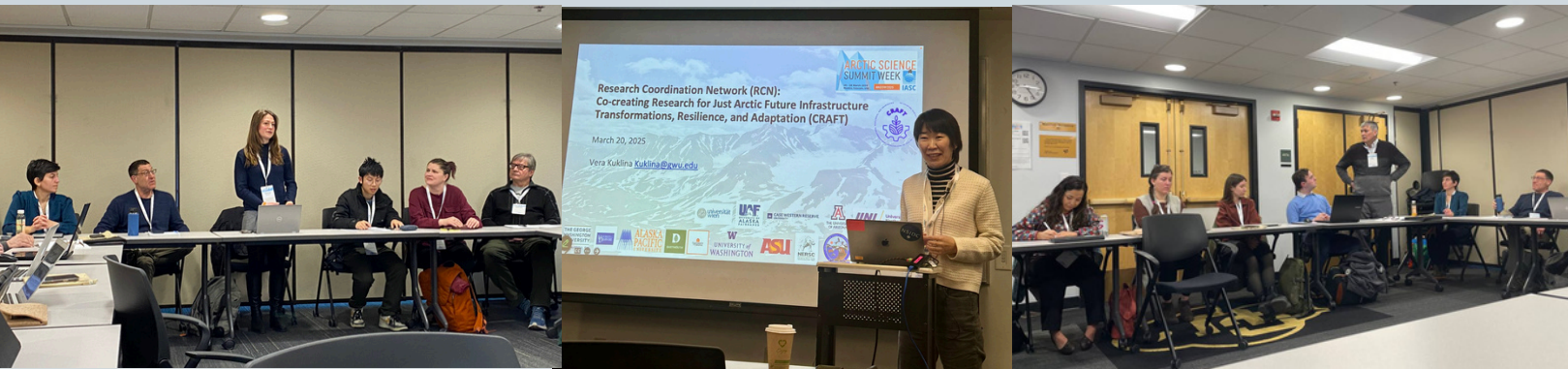
- Building resources for Arctic infrastructure research
- Connecting stakeholders in sustainable Arctic infrastructure planning and design
- Meeting community needs through best practices in engagement, education, and investment

RESEARCH COORDINATION NETWORK

- The IF-CWG successfully organized, wrote, and received an NSF Research Coordination Network (RCN) grant to create the “Co-creating Research for Just Arctic Future Infrastructure Transformations, Resilience, and Adaptation” (CRAFT) RCN Dec. 2024 - Dec 2025
- CRAFT monthly webinars hosted discussions of community-engaged infrastructure research from across disciplinary perspectives: social science, engineering, biophysical sciences, arts and humanities, and bio-inspired infrastructures Dec. 2024 - April 2025
- CRAFT funding was terminated April 2025 because the grant was “not aligned with current NSF priorities”

CRAFT WEBINARS AVAILABLE ON THE [NNA-CO YOUTUBE CHANNEL](#) AND THE [CRAFT RESEARCH NETWORK FACEBOOK PAGE](#)





OTHER WORKING GROUP ACTIVITIES:

- CRAFT workshop at Arctic Science Summit Week in Boulder March 2025: “Research Priorities on Infrastructure Futures from Community Perspectives” working toward ICARP contribution
- Co-Hosted ASSW session “Challenges of Arctic Infrastructure”
- Co-Hosted IASC RATC session “Planning for the Next Decade in Arctic Infrastructure Research: A contribution to ICARP IV”



[Infrastructure Futures CWG webpage](#)



Vera Kuklina

Expertise: *Cultural Geography, Community Engagement.*
The George Washington University



Bessie Lea Weston

Expertise: *Environmental Stewardship*
Alaska Pacific University



Xiong (Bill) Yu

Expertise: *Intelligent Infrastructure and Smart Systems*
Case Western Reserve University



Saleem Hassan Ali

Expertise: *Environmental Conflicts, Ecological Factors and Peace*
University of Delaware



Alyssa Pantaleo

Expertise: *Modelling Off-grid Energy systems, Residential Building Energy Efficiency*
National Renewable Energy Laboratory



Hannah Bradley

Expertise: *Scientific Collaboration, Co-Production of Knowledge, Infrastructure*
University of Virginia



Jason Young

Expertise: *GIS; Indigenous studies, research methods*
University of Washington



Robert Orttung

Expertise: *Mining Impacts, Green Energy Transition, Urban Sustainability, Tourism Impacts*
The George Washington University



Diana Khaziakhmetova

Expertise: *Ethnographic Data, Art-based Research, Community Engagement, GIS Analysis*
University of Arizona



Andrey Petrov

Expertise: *Economic Geography, Sustainable Development, GIS, Spatial Population Analysis*
University of Northern Iowa



Victoria Miles

Expertise: *Environmental Studies, Remote Sensing, GIS.*
Nansen Environmental and Remote Sensing Center



WenWen Li

Expertise: *Cyberinfrastructure, Big Data, Geospatial Artificial Intelligence*
Arizona State University



James Temte

Expertise: *People of the Arctic and their interactions with the natural world*
Alaska Pacific University



Clarence Daniel

Expertise: *Equity in the Yukon Kuskokwim Delta, Safe and Healthy Communities*
Association of Village Council Presidents



Stacey Fritz

Expertise: *Housing Security, Remote Arctic Logistic Challenges*
Adaptable Housing



Peter Schweitzer

Expertise: *Social and Cultural Anthropology*
University of Vienna



Olga Povoroznyuk

Expertise: *Social Anthropology, Qualitative Research*
University of Vienna



Jana Peirce

Expertise: *Communications, Data Management, and Project Management.*
University of Alaska Fairbanks



Thomas Hale

Expertise: *Land Use and Conflicts Around Mining/Industrial Sites in the Arctic Circle*
University of Delaware



Uyemaa Gantulga

Expertise: *Data Science, Infrastructure*
The George Washington University



Vincent Pellegrino

Expertise: *Travel and Tourism Industry, International Education*
The George Washington University