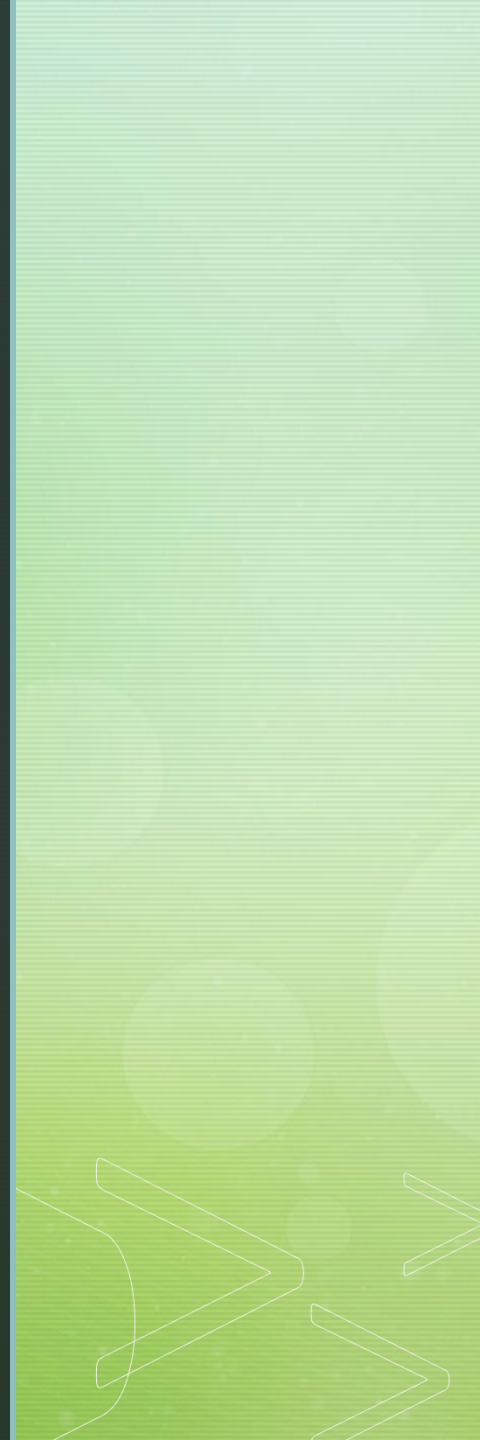


Community-Based Black Carbon and Public Health Assessment Project



John Bennett
Aleut International Association
UNFCCC COP24
December 2018
Katowice, Poland



Origins

- Based in Anchorage, Alaska, Aleut International represents Aleut communities in Alaska and Russia and is one of the Arctic Council's six Permanent Participant organizations.
- This project resulted from the belief that there is a need to increase awareness of the risks black carbon poses to the environment and public health among indigenous communities in the Far North.

Our approach

- Partner with Arctic indigenous communities.
- **Monitor** black carbon concentrations.
- Characterize local **public health** risks
- **Build awareness**
- Identify and promote **mitigation** options.
- Help strengthen local **capacities** to identify and prevent BC pollution.
- Increase national and regional **support**



Project development

- Developed with Alaska Native Science Commission in framework of Arctic Alliance.
- Approved by Arctic Council's ACAP Working Group and Senior Arctic Officials.
- Refined through support by Swedish EPA
- 2017: Desk Study phase funded by Arctic Council's Project Support Instrument/Nordic Environmental Finance Corporation (NEFCO)
- December 2018: Desk Study concluding
- Preparing report and application for Full Feasibility Study – hope to begin in 2019

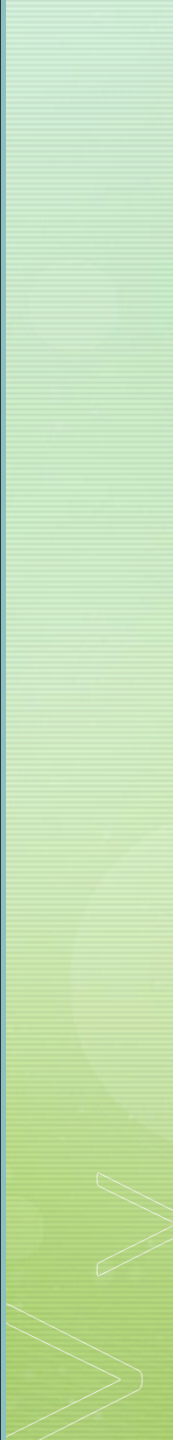


Partners

- Alaska Native Science Commission (Anchorage)
- University of Alaska-Anchorage
- University of Alaska-Fairbanks
- All-Russian Research Institute for Nature Protection (Moscow)
- SRI Atmosfera (St. Petersburg)
- North-West Public Health Research Institute (St. Petersburg)

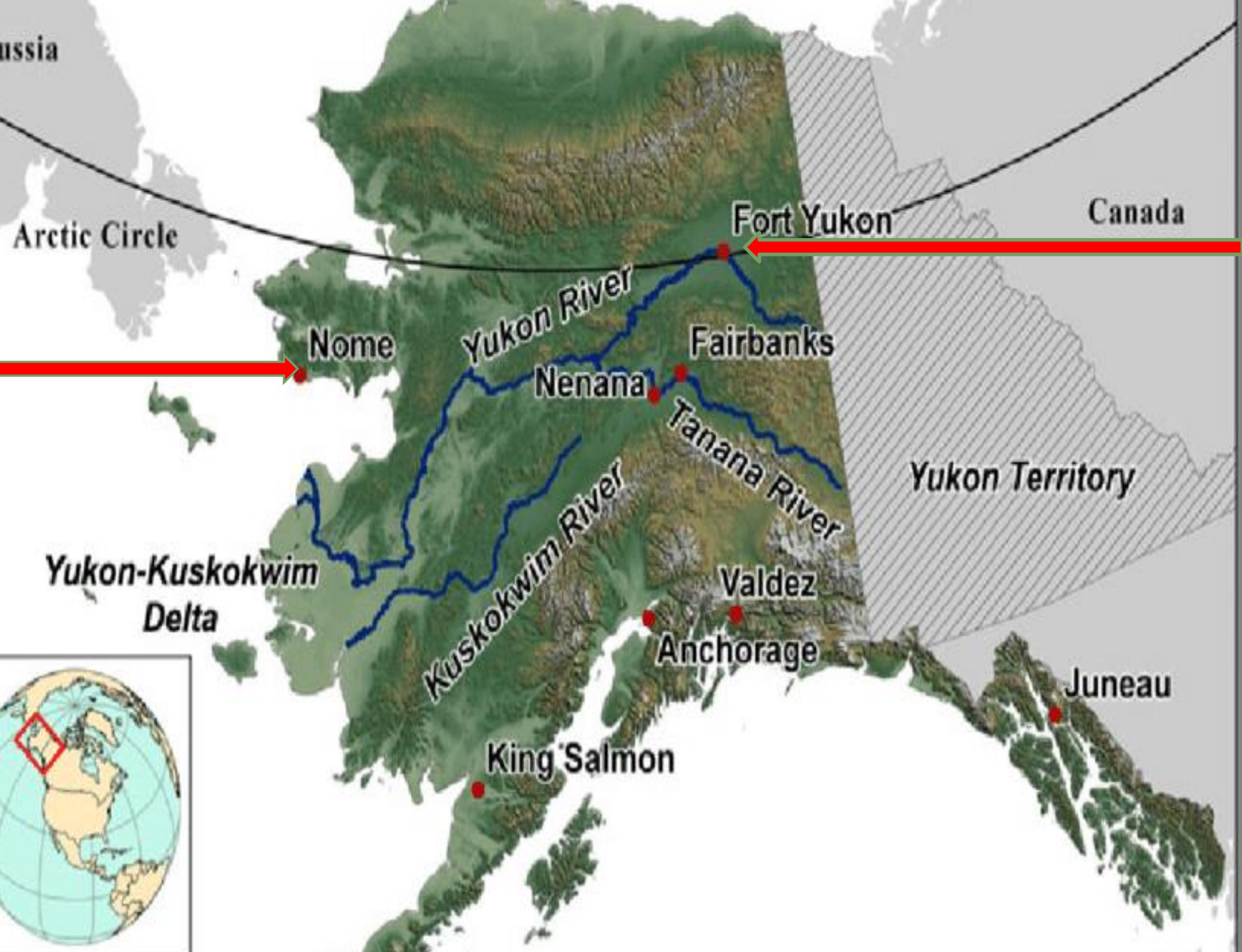


Desk Study Outputs

- Sampled BC monitoring in Circle, Alaska
 - Methodologies for gathering emissions and public health data
 - Gathering retrospective public health data and seeking legal permissions
 - Consulting tribal authorities and other key stakeholders
 - Preparing draft community health survey
 - Identifying synergies with Arctic Council/relevant projects
- 

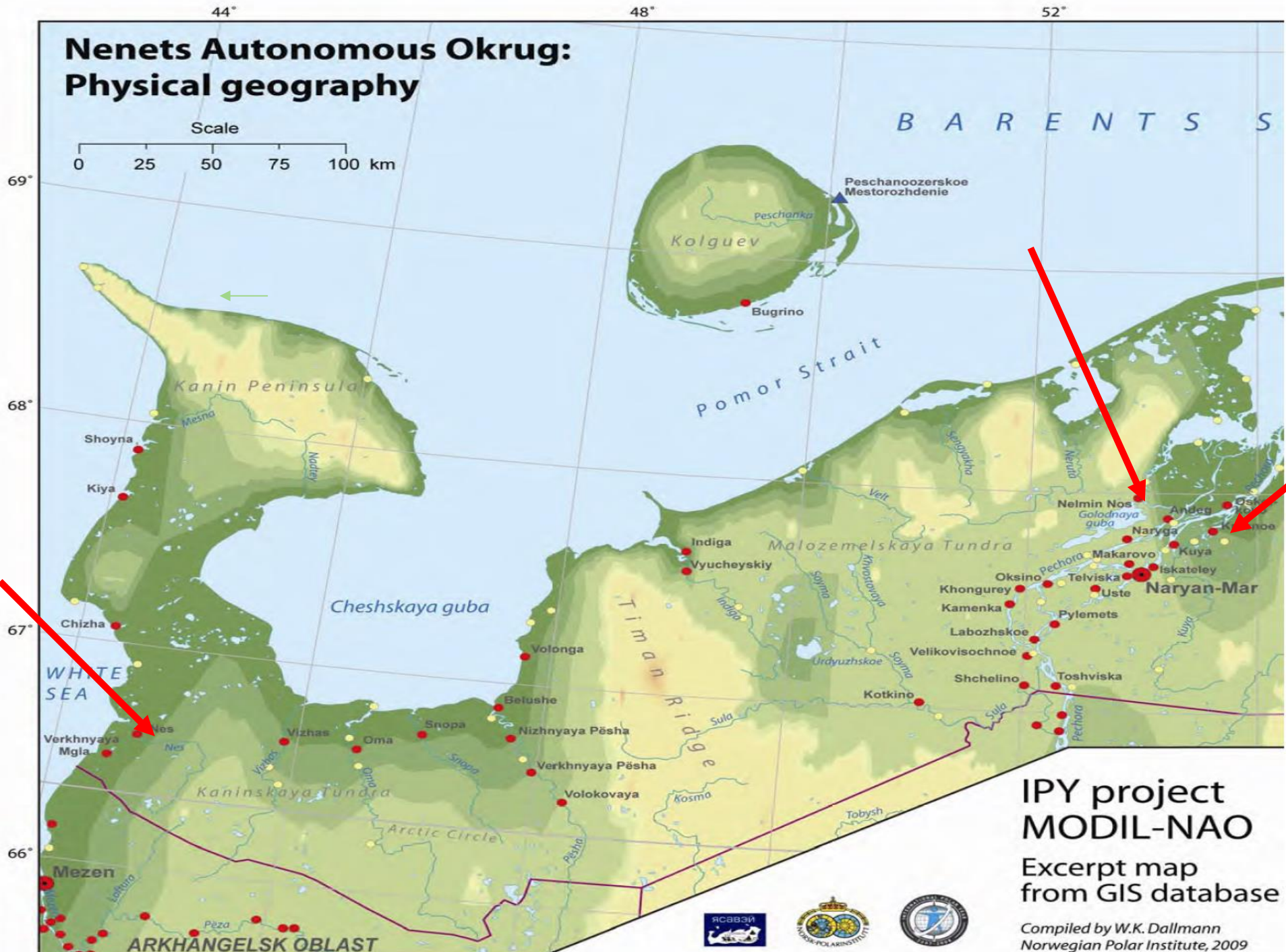
Target communities

- Identified 5 indigenous communities for full Feasibility Study
- 2 in Alaska, US:
 - Nome (pop. 3,600, shipping)
 - Fort Yukon (pop. 600, forest burning)
- 3 in Nenets Autonomous Okrug, Russia:
 - Nes (pop. 1,368, coal/wood)
 - Nel'min-Nos (pop. 817, diesel/wood)
 - Krasnoye (pop. 1,800, gas)





Nenets Autonomous Okrug: Physical geography



**IPY project
MODIL-NAO**

Excerpt map
from GIS database

Compiled by W.K. Dallmann
Norwegian Polar Institute, 2009





Full Feasibility Study outputs

- Community black carbon assessments with
 - Monitoring results
 - Public health risk characterizations
 - Mitigation options
- Draft community black carbon survey self-assessment tool.
- Information and briefings for communities, decision makers, donors.
- Replicable community-based black carbon and public health assessment approach.





Thank you very much!