OVERVIEW

• CLEO
• Arctic Black Carbon Case Studies Platform
• Community Based Black Carbon and Public Health Assessment
• Valday Cluster Off-Grid Upgrade
• Mitigation of Black Carbon and Methane from APG Flaring in the Arctic Zone of the Russian Federation
FRAMEWORK FOR CLEO

FRAMEWORK FOR THE CIRCUMPOLAR EXPANSION OF THE LOCAL ENVIRONMENTAL OBSERVER NETWORK
CLEO OVERVIEW

• 2009 – Alaska Native Tribal Health Consortium (ANTHC) developed the Local Environmental Observer (LEO)
• ACAP project seeks to make the LEO circumpolar = CLEO
• Observations are web-accessible
• Encourage actions to reduce emission and releases of other pollutants
• Phase I – With two new hubs in Canada, LEO Network covers the entire Pacific coast of North America and continues to grow
CURRENT STATUS

- Mobile app launched in February 2016
- Phase 2 – expansion to Nordic region
- Outreach to Russian indigenous communities has begun
- Input from other WGs, PPs, Observers and relevant stakeholder would benefit the use and expansion of CLEO.
DISCUSSION POINTS

• Challenges
  – Communicating CLEO to local communities, and growing user numbers

• Lessons Learned
  – Arctic communities are interested in becoming CLEO members once they are aware of it.
  – Traditional knowledge and western science evaluations of observations are possible and useful.

• Stakeholder Engagement
  – Key to have the Alaska Native Tribal Health Consortium (ANTHC) as a partner.
  – Expand Stakeholder engagement across the Arctic

• Gaps to be address
  – Continue to learn and work to expand CLEO so that it reflects and responds to the needs of the people who live and work in the Arctic
  – Important to have open discussions and find creative solutions to challenges.
BLACK CARBON CASE STUDIES

SHOWCASING BEST PRACTICES
HIGHLIGHTS

• Hosted on the ACAP website
• Cases studies are a «one stop shop» for best practices and lessons learned from black carbon demonstration projects from across the Arctic region
• EPPR has provided support by mapping the case studies in Arctic ERMA
• More case studies are welcome from all Arctic States, PPs and observers.
HIGHLIGHTS

• This project will assess, on a pilot basis, local sources of black carbon emissions from a representative sampling of Arctic Alaskan and Russian villages.
• It will provide a broad characterization of associated risks to public health.
• Explore short and long-term mitigation options.
• Assess and strengthen local capacities to identify, mitigate and prevent black carbon pollution.
• Draft a framework tool for community-based assessments of black carbon emissions and health risks.
• Educate local communities about black carbon emissions and risks.
VALDAY CLUSTER OFF-GRID UPGRADE

FOR BLACK CARBON REDUCTION IN THE REPUBLIC OF KARELIA
HIGHLIGHTS

• Implementation of a range of off-grid energy alternatives for settlements in Karelia
• The projects aims to:
  – mitigate releases of black carbon and other greenhouse gases
  – decrease dependence on transported fossil fuels
  – reduce electricity and heating costs
  – increase the reliability and quality of electricity and heating supply
  – strengthen expertise of local institutions
MITIGATION OF BLACK CARBON AND METHANE FROM APG FLARING

IN THE ARCTIC ZONE OF THE RUSSIAN FEDERATION
HIGHLIGHTS

• Project aimed at compliance with obligations under the Paris Agreement
• Objective 1 – evaluation of potential impact of APG flaring on the Arctic environment
• Objective 2 – evaluation and finding optimum levels of gas reinjection.
• Objective 3 – implementation of the project including outreach on lessons learned and best practices.
THANK YOU