EU Action on Black Carbon in the Arctic
Implementing the European Union initiative in support of International Action on Black Carbon in the Arctic

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Russel Shearer (AMAP Secretariat; Co-Project Manager for EUA-BCA)

Reduction of black carbon emissions offers important co-benefits: Health, Climate and Economy

- Black carbon, as a component of the fine particles PM2.5, is a global health hazard with health impacts;
- Emission reductions have immediate positive effects locally, and long-term reductions have positive cumulative impacts (on health/warming in Arctic);
- Economic benefits – sustainable use of natural resources e.g., reduced flaring and venting improves life-cycle efficiency of resource use;
- Integrated approach to policy actions – air pollution/climate
EU Action on BC in the Arctic

- **Funding**: EU Partnership Instrument; 1.5 million EUR over 3 years (2018-2020)

- **Main Objective**: contribute to the development of collective responses to reduce black carbon emissions in the Arctic and enhanced international cooperation to protect the Arctic environment.

- **Implementation Plan: 4 Work Components**
  
  - Improved Knowledge Base
  - Increased Awareness and Shared Knowledge
  - Technical Advice Documents and Scenario Analysis
  - Roadmap for Enhanced International Cooperation

Regional context for the Action

CLRTAP Parties

Arctic Council
Major Strategic Stakeholders

Inter-governmental Priority Orgs.
2 – Arctic Council and CLRTAP

Other International Orgs.
5 – UNFCCC/IPCC, CCAC, OECD, WB, IMO

National
3 – Canada, Russia, USA

NGOs
5 – ICCI, ICCT, ICC, AIA, RAIPON, WWF
Technically feasible black carbon reduction potential

- Up to three quarters of global anthropogenic BC emission could be eliminated by 2030
- Arctic warming could be reduced by 0.25 °C by 2050 by full global implementation of maximum technically feasible emission reductions measures

Arctic Council / Observers BC emissions

Black carbon emissions from Arctic Council member and observer countries account for greater than 50% of global BC emissions
Bridging/complementarity of EU Action with other international initiatives

EUA-BCA Reports and Products

- Technical report: *Assessment of observation capacities and data availability of Black Carbon in the Arctic region* (led by NILU) (October 2019)
- Datasets / Publication: BC emissions - *Baseline and Mitigation Scenarios* (led by IIASA) (October 2019)
- BAT Guidance Documents: *Black Carbon Emissions from Gas Flaring* (October 2019); *Domestic Heating* (2021) (led by Carbon Limits)
- Website Content / Fact sheets (October/November 2019)

*Roadmap for enhanced international cooperation on black carbon emissions policy to protect the Arctic* (2020)
Total BC emissions beyond 60°N

Future Actions

• Further develop partnerships under each applicable sector
• Communications and Outreach – opportunities with Partners and International organizations, e.g. CLRTAP 40th Anniversary Celebrations side-event
• Finalise and distribute key knowledge-based products and associated communication products
• Development of the roadmap on enhanced international cooperation
Website: eu-a-bca.amap.no