



PACES

air Pollution in the Arctic:
Climate Environment and Societies



Workshop: “Towards an Interdisciplinary Research Agenda for Arctic Air Pollution”

Host: PACES – WG2 “Arctic Air Pollution and Societies”

[ASSW 2017](#) - Prague, Czech Republic

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Workshop Objectives and Organization

Objectives:

1. Develop joint and concrete research questions among social and natural sciences on local Arctic air pollution sources and their impacts in the Arctic;
2. To identify the geographical, cultural and scientific scope of the WG activities.

Organization:

- Explore politics and policy contexts that impact Arctic air pollution;
- Explore community based observing (CBO) in pilot programs in key regions and opportunities for further efforts;
- Explore topics related to legal frameworks, service delivery, health impacts, communication, and broader issues of trust;
- Develop ways to understand in-Arctic air pollution sources and their development trajectories through natural-social science collaboration.

A Multi-Scale Framework...

Scale	Key Issues: Drivers (Sources), Impacts and Decision Making	Methodologies
Local	<p><u>Impacts</u>: “Air Pollution” is nested within a holistic set of observations and “collective representations” about environmental change;</p> <p><u>Impacts/Drivers</u>: Different “knowledge systems” needed to understand and contextualize drivers of local change & impacts;</p> <p><u>Drivers/Decision Making</u>: Lack of participatory approaches impacts “sustainable societies”, stalls local decision making.</p>	<ul style="list-style-type: none"> • Cultural Anthropology • Health Sciences • Community Based Observing and Indigenous Knowledge • Sustainability
Regional	<p><u>Impacts/Drivers</u>: Arctic “Air Pollution” sits at the confluence of long-range transport, local sources AND Arctic natural processes;</p> <p><u>Drivers/Decision Making</u>: Complex of regional issues (e.g. lack of infrastructure or “curse of resources”) leads to distinct emission sources (e.g. trash burning, uranium dust) which global inventories have overlooked;</p> <p><u>Decision Making</u>: Regulatory landscape consists of “fragmented parallel efforts”.</p>	<ul style="list-style-type: none"> • Regulatory/Legal Research • Sustainable Governance • Social Indicators
Global	<p><u>Drivers/Decision Making</u>: “Air Pollution” is situated within “discourses on state power” that impact trajectory of future “Air Pollution” and policy tools available (e.g. certificates);</p> <p><u>Drivers/Impacts/Decision Making</u>: Regional development serving global demand can lead local communities as “Spectators in their own development”.</p>	<ul style="list-style-type: none"> • Political Geography • Cultural Anthropology • Sustainable Governance • Social Indicators



Thank You!

