

FINAL
Saltsjobaden VI Workshop

Clean Air Globally: Science Cooperation Track

Focus of Science Track

The focus of the Clean Air Globally – Science Track is to explore the potential for improving the integration of scientific assessments examining global air pollution issues, including the health, ecosystem, and climate impacts of ozone, particulate matter, mercury, and persistent organic pollutants; and to identify actions that can exploit synergies between existing scientific research and assessment efforts, including but not limited to those of LRTAP (including TF HTAP), AMAP, CCAC, and the subsidiary bodies of the Stockholm and Minamata Conventions.

- Co-chairs: Terry Keating, Frank Dentener, Hans Christian Hansson, John Munthe, Kaarle Kaupainen

Building on the plenary presentations from Monday, Tuesday will begin with short presentations on the status of some relevant ongoing science and policy efforts to set the stage for the day's discussions. After this introductory session, the Clean Air Globally work group will divide into two discussion tracks – a policy track (A) and science track (B). Both tracks will have three discussion periods gathering ideas, processing them, and developing recommendations. At the end of the day, the two tracks will reconvene and briefly report on their progress.

08:30-10:00

1. Clean Air Globally Introductory Session

- LRTAP in a Global Context (Frank Dentener)
- Arctic Issues and Planned AMAP Assessments (Kaarle Kaupainen)
- Stockholm Convention and POPs (Ramon Guardans)
- Minamata Convention and Hg (Nina Cromnier)
- Findings from Regional Assessments (Markus Amann)

10:00-10:30 BREAK

10:30-12:00

2A. Policy Track A: Lightning Round on Existing Efforts

This session will consist of brief presentations about the status of major international organizations with a role in pursuing clean air.

2B. Science Track B: Lightning Round on Existing Knowledge and Scientific Gaps

This session will consist of a series of invited presentations (~12 mins/each) about key recent policy relevant findings and policy-relevant science gaps and opportunities in different research domains.

- Copernicus Atmospheric Monitoring Service (Vincent-Henri Peuch)
- Aerosols and Ozone (Michael Schulz)
- Climate Forcing of Air Pollutants (Annica Ekmann)

- Nitrogen (Mark Sutton)
- Mercury (John Munthe)
- POPs and Emerging Chemicals (Ramon Guardans)

12:00-13:00 LUNCH

13:00-15:00

3A. Policy Collaboration Panel

Identify common interests and goals based on what was learned from the lightning round.

3B. Science Collaboration Discussion

This session will consist of an open discussion to identify needs, opportunities, and priorities focusing on common processes (e.g., emissions, transport, deposition, ...) across global air pollution issues (e.g., ozone, aerosols, mercury, POPs, ...). Where can we strengthen science and assessment activities by addressing common issues together in a coordinated framework? We will spend approximately 30 minutes discussing each of the following areas:

- Emissions & Scenarios (including Strategies and Costs)
- Transport and Chemistry
- Deposition and Exposure
- Effects (Health, Ecosystems, Climate)

15:00-15:30 BREAK

15:30-17:00

4A. Policy Track C: Next Steps and Recommendations

The goal of this session is to map the policy questions, or needs/gaps/opportunities, to specific activities and/or timelines. This session is the basis for a "work plan" or recommendations.

4B. Science Track C: Near Term Opportunities and Recommendations

This session will focus on mapping the science priorities to planned and ongoing activities, identifying gaps, and formulating a set of recommendations. Some of the ongoing activities that may be considered include:

- AMAP Arctic Air Pollution Assessment
- Global Mercury Assessment and Minamata Effectiveness Evaluations
- Stockholm Effectiveness Evaluations
- TF HTAP / AQMEII Future Work

17:00-17:15 BREAK to Reconvene

17:15 – 18:00

5. Global Session Conclusion

Policy and science tracks reconvene to report on main outcomes and conclusions from each session.

18:00 ADJOURN

Background Materials:

Report from Saltsjobaden 5, 2013

<http://saltsjobaden6.ivl.se/download/18.449b1e1115c7dca013ad1ad/1498486141045/Saltsjobaden%20V.pdf>

Scientific Assessment Report <https://www.unece.org/index.php?id=42861> and the North American Assessment Report <https://www.unece.org/index.php?id=42947>

Policy Response to the Scientific Assessment Report

https://www.unece.org/fileadmin/DAM/env/documents/2015/AIR/WGSR/E_unece_eb_air_wg_5_2017_3.pdf

UN International Law Commission, 2013, "Protection of the atmosphere"

http://legal.un.org/ilc/summaries/8_8.shtml

WHO resolution: http://apps.who.int/gb/ebwha/pdf_files/WHA68/A68_ACONF2Rev1-en.pdf

[UNEA-1 air quality resolution 1/7](#) (2014) (page 23).

UNEA-3 Preventing and reducing air pollution to improve air quality globally resolution

<https://papersmart.unon.org/resolution/index> (draft/unedited)