

Global and Regional Modeling

- **MICS-Asia – HTAP Cooperation**
 - Progress being made on linkages between scales and quantification of regional inflow and outflow
 - MICS-Asia Phase 2.x and 3 will continue
 - What can be achieved by May 2009 meeting with TFMM?
 - By November 2009 as input to *HTAP 2010*?
- **Understanding Source/Receptor Relationships**
 - In the near term, need to come to a consensus about techniques and resolution necessary to define S/R relationships for *HTAP 2010* (HTAP FC simulation series).
- **Developing Modeling Capacity**
 - Will easier access to HTAP data and results help?
 - How can we link to other training efforts?

Impacts of Long Range Transport

- **Asian Impact Assessments**

- There are a number of assessments and studies, including Project ABC, that should be reflected in *HTAP 2010*,.

- **Helpful to Characterize the Range of Air Pollution Impacts**

- Human Health
- Agricultural and Ecosystem Impacts
- Radiative Forcing and Climate Impacts
- Hydrological Cycle Impacts?
- Economic Impacts?

- **Opportunity to Bring Together Atmospheric and Effects Communities**

- Can we bring together effects experts from EANET, ABC, and LRTAP/WGE experts with air quality experts?

Ozone and Aerosol Observations

- **Asian Networks and Research Studies**
 - High quality data available, especially for EANET region
- **New insights coming from new methods**
 - New instrumentation for illuminating processes
 - UAVs and Lidar for understanding vertical structure and its implications
- **Improving Access, Comparability, and Value of Data**
 - EBAS-HTAP and IGAC Japan Database
 - Need dialogue between data providers and users to improve comparability of different data sets
 - What are the best ways to facilitate this dialogue?

Mercury Observations

- **Need for international cooperation to characterize regional and global nature of problem**
 - Linking monitoring, modeling, and emissions
 - Importance of comparable speciated measurements
- **Potential for Establishing Regional Cooperation**
 - There are a number of national efforts across Asia that could comprise a regional network.
 - Need to leverage existing networks.
- **Potential for Furthering Global Cooperation**
 - UNEP Hg Fate & Transport Research Partnership
 - 9th International Mercury Conference, November 2009
 - How do we best use this opportunity?
 - GEO Project on Global Mercury Monitoring and Modeling

Emissions and Projections

- **Asian emissions are growing rapidly**
 - Satellites and ground observations can help update emissions inventories.
 - Importance of fires, agricultural burning, and residential heating and cooking in the region.
- **Need to use “Local Knowledge”**
 - Need technology specific information
 - Sector focused analyses can be helpful
 - Can be compiled to inform regional and global modeling: EDGAR-HTAP approach
 - Need to address temporal and spatial allocation
- **Further improvements could be facilitated by opportunities for consultation**

http://www.htap.org

LRTAP Task Force on Hemispheric Transport of Air Pollution
Long-range Transboundary Air Pollution

Upcoming meetings

Register Now: The Joint International Conference on Intercontinental Transport of Atmospheric Mercury and Persistent Organic Pollutants, organized by TF HTAP and the UNEP Global Partnership of Atmospheric Mercury Transport and Fate Research, 7-11 April 2008, Rome , Italy .

Save the Date: The Global Atmospheric Chemistry and Transboundary Air Pollution Workshop, organized by TF HTAP, the IGAC/SPARC Atmospheric Chemistry and Climate Initiative, and the U.S. National Academy of Sciences Panel on International Transport of Air Pollutants, 9–13 June 2008, Washington , DC , USA .

Assessment News

Call for Authors: The TF HTAP co-chairs are now accepting nominations and volunteers for authors for the 2009 assessment report. If you are interested in volunteering or nominating authors, please email Terry Keating and André Zuber (keating.terry@epa.gov , andre.zuber@ec.europa.eu) and indicate the relevant expertise and interest.

HTAP 2007 Bibliography Available: The references from the HTAP 2007 report are now available in an Endnote file and other formats.

HTAP Intercomparison News

Experiment Set 1: See drafts of [PublicationDrafts papers].

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Start Terry Keating - Inb... General comments... Website wiki-renewal-march... Website Map a European Address... LRTAP - Task Fo... 12:51 PM

Integration with Juelich HTAP Wiki

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying <http://www.cleanairinfo.com/test/>. The page title is "LRTAP - Task Force on Hemispheric Transport of Air Pollutants - Microsoft Internet Explorer". The main content area displays the LRTAP logo and the page title "ExperimentSet1". A navigation menu includes "FrontPage", "RecentChanges", "FindPage", "HelpContents", and "ExperimentSet1". The main heading is "ExperimentSet1: SR experiments". Below the heading, there is a paragraph describing the experiments and a status box indicating "Submission completed, analysis ongoing." The section "Experiment Description and I/O Specification" contains a list of bullet points with links to various documents. The "Overview maps of results" section contains a table with columns for pressure levels (1000 hPa, 850 hPa, 500 hPa, 200 hPa, 100 hPa) and rows for variables (hus, precip).

ExperimentSet1: SR experiments

This set of common model experiments is designed to estimate intercontinental source-receptor relationships using 20% emission reductions within the HTAP regions.

Status:

Submission completed, analysis ongoing.

Experiment Description and I/O Specification

- General set-up of SR experiments attachment:
- I/O specification for SR: [sr_io_spec.doc](#), [sr_io_spec.pdf](#)
- Specification of vertical profile output [Vertprof.doc](#) (do we need this?)
- Appendix to I/O specification: [exp1_appendix.pdf](#)
- Excel spreadsheet with variable definitions: [HTAP_variables.xls](#) (version of 17 Dec 2007, contains TP1x variables)
- CMOR tables for SR experiments: [Upload new attachment "CMOR-table"](#)

Overview maps of results

Variable	1000 hPa	850 hPa	500 hPa	200 hPa	100 hPa
hus	hus_map_1000hPa.pdf	hus_map_0850hPa.pdf	hus_map_0500hPa.pdf	hus_map_0200hPa.pdf	hus_m...
precip	precip_map.pdf				

Getting Involved Online

www.htap.org

↳ General Information

↳ How to Participate

- Mailing Lists
- Wiki Registration
- Data Server Registration
- Modeling Email Discussion List

Presenters will be given one week to provide any updates or edits to their presentations. All presentation materials/available posters that can be shared will be converted to PDFs and posted on the web.

Future Work Plan

Schedule for *HTAP 2010*

- Invitation to participate Jan 2009
- Final plan and list of authors Mar 2009
- First Annotated Outline Jun 2009
- Revised Annotated Outline Sep 2009
- Internal Draft of Parts 1-3 Nov 2009
- First Review Draft of Parts 1-4,ES Jan 2010
- Major Review Meeting Feb 2010
- Revised Review Draft of Parts 1-4,ES Apr 2010
- Acceptance Meeting, Finalize ES Jun 2010
- Finalize Parts 1-4 Jul 2010
- Printing Aug 2010