

Asia-Pacific Mercury Monitoring Network Workshop

Objective: Develop an atmospheric mercury monitoring network operating plan for the Asia-Pacific region. The plan would consist of shared monitoring objectives, major design elements, and implementation milestones for an Asia-Pacific mercury monitoring network. The plan is envisioned as a written document that attendees can use to advance regionally-consistent mercury monitoring in their countries.

Date		Day 1 Wednesday, July 17, 2013 U.S. EPA, Ronald Reagan Building, 3rd Floor Conference Room	
Start	End	Topic	Speaker/Session Host
8:30	8:50	Opening Remarks by U.S. EPA	Ms. Michelle DePass , Assistant Administrator for International & Tribal Affairs, U.S. Environmental Protection Agency
			(To be confirmed) , Representative from Air and Radiation, U.S. Environmental Protection Agency
8:50	9:00	Special Remarks by EPA Taiwan	Honorable Stephen Shen , Minister, Environmental Protection Administration, Taiwan
9:00	9:10	Group Photo <i>Representatives from NADP will have an information booth, including atmospheric mercury instrument and mercury wet deposition collector on display</i> <i>Location TBD</i>	
9:10	9:25	Break	
9:25	9:35	Welcome and Group Introductions	<i>Dr. David Gay, NADP</i>
9:35	9:50	Mercury Monitoring Workshop Overview	<i>Mr. David Schmeltz, U.S.EPA</i>
9:50	10:20	Vision for an Asia-Pacific Mercury Monitoring Network	<i>Dr. Guey-Rong Sheu, National Central University</i> <i>Dr. David Gay, NADP</i>
10:20 – 11:20		Session I: The North American Experience and Perspectives	Mercury monitoring in Canada <i>Dr. Pierrette Blanchard, Environment Canada</i> The wisdom of networking: The World Meteorological Organization (WMO) & standardized global precipitation chemistry measurements <i>Mr. Richard Artz, NOAA</i> The NADP: A case study of transparent governance, standardized operations, & reliable monitoring results for North America <i>Dr. David Gay, NADP</i>

11:20 – 12:20		<p>Session II:</p> <p>Atmospheric Mercury Monitoring in Asia</p>	<p>Update on recent mercury monitoring activities:</p> <p>Japan <i>Mr. Yoshihiro Mizutani, MOE</i> <i>Dr. Kohji Marumoto, NIMD</i></p> <p>South Korea <i>Dr. So Young Kim, NIER</i></p> <p>Taiwan <i>Director General Chu, EPAT</i> <i>Guey-Rong Sheu, NCU</i></p>
12:20	1:45	Lunch	
1:45	2:45	<p>Session II (Continued):</p> <p>Atmospheric Mercury Monitoring in Asia</p>	<p>Thailand <i>Dr. Hathairatana Garivait, MOE</i></p> <p>Vietnam <i>Mr. Nguyen Van Thuy, Director, Centre for Environmental Monitoring, VEA</i></p> <p>Indonesia <i>Dr. Esrom Hamonagan, MOE</i> <i>Other, TBD, MOE</i></p>
2:45	3:00	Break	
3:00	4:30	<p>Session III:</p> <p>Collaborating to Move Forward</p> <p>Questions and Discussion</p>	<p>Review of initial proposal for collaborative mercury monitoring in the Asia-Pacific Region <i>Dr. David Gay, NADP</i> <i>Dr. Guey-Rong Sheu, National Central University</i></p> <p>Group Discussion</p> <ul style="list-style-type: none"> • Thoughts, reactions and input from all workshop participants (round robin) • What do you think about this vision? • What kind of data or information do you want/need from a mercury network? • What are the primary research and data needs for the region? • What do you see as the main opportunities to collaborate? • How would you envision you/your agency participate in a regional network?
7:00		<i>Group Dinner, Location TBD</i>	

Date		<i>Day 2 Thursday, July 18, 2013</i>	
Start	End	Topic	Speaker/Session Host
9:00	10:00	<p align="center">Field trip to the U.S. EPA Clean Air Status and Trends Network (CASTNET) atmospheric monitoring station (BEL116)/NADP Mercury Deposition Network (MDN) Monitoring station –MD99, Beltsville, MD (Bus departs from Hotel)</p>	
10:00	11:00	<p align="center">Training Session I</p> <p align="center">NADP/Mercury Deposition Network Wet Deposition Overview and Training</p>	<ul style="list-style-type: none"> • Mercury wet deposition collector • Siting basics • Operation, Equipment Maintenance and QA <p align="right"><i>David Gay, NADP</i></p>
11:00	12:00	<p align="center">Training Session II</p> <p align="center">NADP/Atmospheric Mercury Network Overview and Training</p>	<ul style="list-style-type: none"> • Speciating Tekran Technology • Siting basics • Operation, Equipment Maintenance and QA <p align="right"><i>Mark Olson, NADP/AMNet Site Liaison</i></p>
12:00	1:30	<p align="center">Trip to the NOAA Center for Weather and Climate Prediction for lunch and tour College Park, MD; host Richard Artz, Deputy Director, NOAA ARL</p>	
1:30	3:00	<p>Discussion (NOAA conference room, College Park, MD)</p> <p>"How Would an Asia-Pacific Network Operate?"</p>	<p>Overview of monitoring proposal; review and discussion of specific points, with an objective of reaching group consensus</p> <ul style="list-style-type: none"> • Goal and objectives • Governance • Budgetary, funding goals • Field operations • Laboratory analysis • Data handling, management, and distribution <p align="right"><i>Multiple</i></p> <p>QA description, demonstration of NADP software for specifics and idea generation</p> <p align="right"><i>Mark Olson, NADP</i></p>

3:00	3:15	Break	
3:15	5:00	Continued discussion (NOAA conference room, College Park, MD) "How Would an Asia-Pacific Network Operate?"	
7:00		Group Dinner, Location TBD	

Date		Day 3 Friday, July 19, 2013 U.S. EPA, Ronald Reagan Building, 3rd Floor Conference Room	
Start	End	Topic	Speaker/Session Host
8:30	10:00	Discussion (continued at EPA offices, Washington D.C.) "How Would an Asia-Pacific Network Operate?"	Continued point by point review of the proposal, editing and updating the document based on agreement among workshop participants
10:00	10:15	Break	
10:15	12:30	Summary	Summary discussion and review of current document version; identify any potential gaps in the plan; brainstorm network-related research and data needs <ul style="list-style-type: none"> • Quality assurance activities (e.g., wet deposition sampler intercomparison site/study) • Regional atmospheric fate, transport and deposition modeling
12:30	1:30	Lunch	
1:30	2:30	Next Steps	Identify and review commitments and plans for advancing the network after the workshop
2:30		Meeting Adjourned	