

National Atmospheric Deposition Program
Spring 2005 NADP Business Meeting
Savannah, GA

Data Management and Analysis Subcommittee
Minutes

Tuesday, April 12, 2005

Overview

Motion by Chris Lehmann: Approve minutes from Fall 2004 meeting as written.
Seconded by Chris Rogers.
Motion passed with amendment: add funnel width to minutes.

Site Surveys

- Chris Lehmann will modify site survey information to include all surveys (listed by date). Also, he will add information on resolutions of problems and date of resolution.

MDN Database

- Integrate database posted to web October 2004.

Site History

- Chris Lehmann: CAL will present report on the use of site history in data flagging to DMAS Fall 2005 with recommendation for resolving potential bias caused by the algorithm.
- Using a rolling 5-year site history was proposed for consideration.
- Also need to consider time of year of site startup.

Motion by Chris Lehmann: CAL will present report at DMAS at Fall 2005 meeting.
Seconded by Chris Rogers.
Motion carried.

Methyl Mercury

Motion by Chris Lehmann: Bob Larson will implement proposed Methyl Mercury database (including QR codes and total Hg) that will be displayed based on volume weighted basis with referral to web discussion if necessary.
Seconded by John Ingram
Motion carried.

Hg Data SOPs

- Delivered to Bob Larson at Spring Meeting. Use of a web discussion to comment on SOP was suggested.

Mapping

- On web: seasonal maps.
 - No numbers.
 - Put link to siteid, value with site dot.
 - Button to download data set (as table) that was used to create map.
 - Still pdf option for printing.
- All maps: need options for viewing all, no urban, no coastal. Coastal site is within 50km of cost.
- Bob Larson: prototype web interface and examples for fall meeting.

Wednesday, April 13, 2005

Network Design (w/EROS)

- Proposal: new questions for data access page.
- Add TMDL to Area of Interest → Changed to “Required/Regulatory Reporting”.
- Group by uses.
- Use cookie = user returns within set period of time, does not ask questions again.
- Area of Interest:
 - Terrestrial Ecosystems: botanical vs. soil
 - Need “Marine/Coastal Environment”
 - Watershed Studies – boundary interactions
- Urban: stormwater? Add to Human Health?

Forums

- Add to front page.
- Pam sends notice to Technical Committee.
- Forums categories:
 - Operators
 - Researchers
 - PO

Network Design: Planning

- Independently do evaluation of potential network downsizing.
- Rank importance of sites – reduce variability (“add skill”).
- Map series – importance of long term “cornerstone” sites.
- Trend analysis – spatial and temporal.
- Collocated with other programs.
- People involved in certain regions to draft doc.
- Longevity – 4 sets of surfaces
 - Mercury
 - Nutrients
 - Anions (acidic)
 - Base cations
- National vs. regional picture.
- “Nested” regional objectives are possible.
- Need quantitative measure.

Metadata

- Now available for maps

Funnels

- Fall meeting study included 50 funnels. The funnel width obtained from the study was used to redo database.
- New study done with 200 funnels provides better width.
- Van Bowersox commented that we need to measure buckets.

Motion by Van Bowersox: Change funnel diameter to median of new study (120 cm²) for MDN funnel and alter database accordingly.

Seconded by Bob Brunette.

Motion carried.

Site Classification

- Add lat/lon to table of all data.
- Need to finish documentation and write SOP. Deadline for this is June 2005 exec meeting.

Emissions Maps

- Hg – use modeled Hg emissions developed by Mark Cohen.
- EPA – produce emissions surface.

Adjourn