

Accountability Assessment Update

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Crystal City, VA
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Overview

- Assessment Scope and Process
- Implementation to Date
- Lead Authors
- Next Steps and Schedule

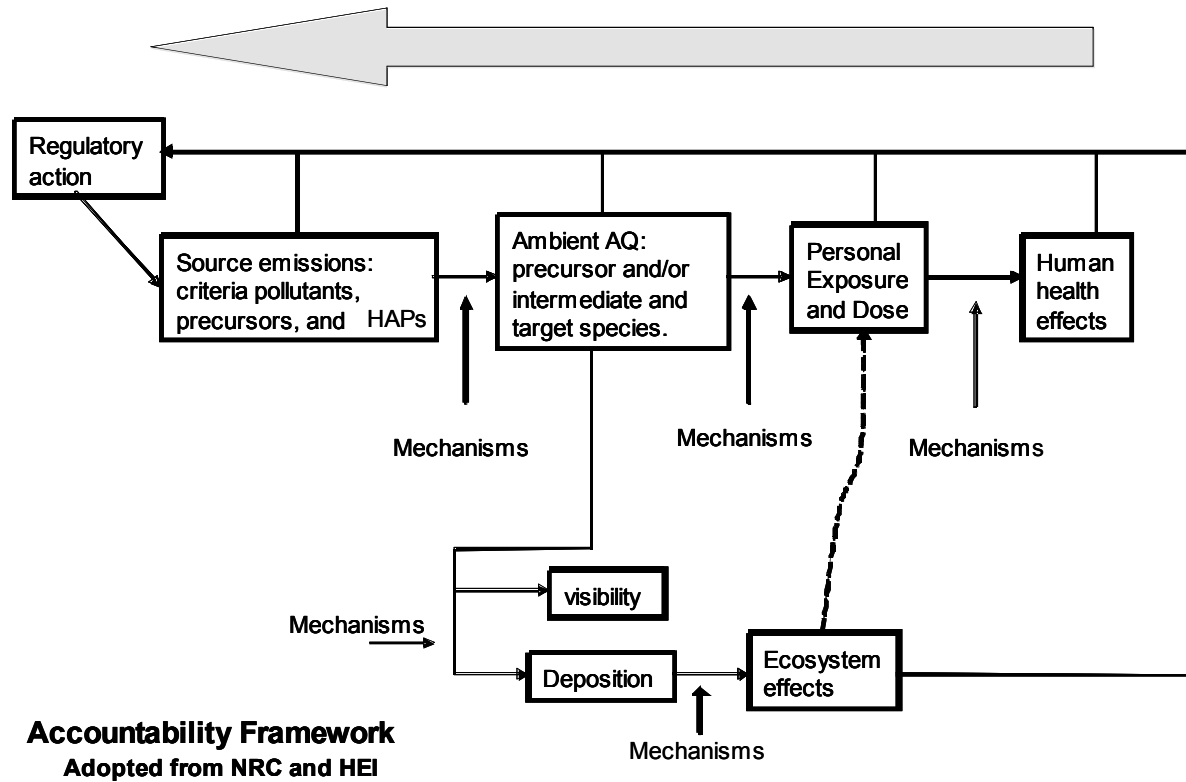


Scope and Process

- Assess the technical challenges of implementing “accountability” within a multi-pollutant framework (5-10 year time horizon)
- What is accountability?
 - A process for evaluating the effectiveness of an AQ management action or actions
 - A process for implementing continuing quality assurance in AQ management
- The accountability chain
 - Was the action implemented?
 - Did expected emission reductions occur?
 - Did expected concentration reductions occur?
 - Was exposure reduced?
 - Were expected health and ecosystem benefits achieved?



Direction of Assessment Inquiry



Planned Tasks

1. Establish a conceptual risk-based framework for AQ management that includes accountability
2. Establish health- and exposure-related accountability needs
3. Identify ecosystem-related accountability needs
4. Identify data requirements, tools, and procedures for meeting these needs
5. Produce assessment synthesis



Where We Are

- Kick-off mini-workshop held at API Oct 4-5
- Lead authors workshop: RTP, NC Jan 9-10
- Conceptual model for implementation developed
- Health effects workshop: April 3-4 in Ottawa
- Ecosystem workshop: April 12-13 in Burlington, VT



Lead Authors

- [Health Sciences](#) - Joe Mauderly, Ron Wyzga, Mary Ross
- [Ecosystems](#) - Doug Burns, Tom Clair, Pam Padgett
- [Risk Analysis](#) - Bryan Hubbell, Chris Frey
- [Emissions](#) - Andy Miller
- [Integrated Modeling Systems](#) - Robin Dennis, Christian Seigneur
- [Measurements & Experimental Design](#) - Rich Scheffe, Jeff Brook, Ken Demerjian, George Hidy
- [Climate Effects](#) - Bill Pennell, Daniel Jacob
- [Synthesis](#) - Rich Scheffe, Jeff Brook, Ken Demerjian, George Hidy



Model for Implementing MP Accountability

- *Level 1*: Single pollutant focus but with enhanced assessment tools/knowledge
- *Level 2*: Current single-pollutant practice with corollary emphasis on co-benefits
- *Level 3*: Combinations of air management strategies that simultaneously meet multiple objectives (individual risk constraint)
- *Level 4*: Umbrella management strategy accounting for comprehensive risk reduction (max risk reduction constraint)



Level 5: Incorporating synergistic effects in standard setting and implementation

Proposed Schedule

- Guidance to lead authors - May 2007
- Detailed outlines - June 2007
- Prepare draft reports - June - Oct. 2007
- Co-chairs synthesis meeting - Nov. 2007
- Prepare draft synthesis report - Nov. - Feb. 2008
- Final synthesis draft for internal review - March - June 2008
- External peer review - July - Aug. 2008
- Completion of final report - Sept. - Nov. 2008

