

**Integrated Modeling for Integrated Environmental Decision Making
January 30 – February 1, 2007
RTP, North Carolina**

Workshop Agenda

Goals of the Workshop:

- To build a workable vision of and strategy for the future role of integrated modeling in informing EPA's regulatory decision-making.
- To provide an opportunity for EPA Offices to share experiences and perspectives on past modeling successes, lessons learned, and emerging priorities.

Anticipated Outcomes:

- A strategic framework for incorporating integrated modeling into EPA decision-making, to include:
 - Consensus definitions of “integrated modeling” and “integrated decision-making”
 - Identification and common understanding of the drivers for integration.
 - A consolidated, prioritized list of the Agency’s needs regarding integrated models that inform regulatory decisions.
 - Potential approaches and next steps for meeting those needs.

Day 1: Program/Problem Driven Focus

7:15-8:00	Coffee & Registration
8:00-8:30	<p>Welcome and Introductions: Pasky Pascual, CREM, ORD</p> <p>Opening Plenary</p> <ul style="list-style-type: none"> - Larry Reiter, Director, NERL, ORD - Gary Foley, Director, NCER and Co-Chair, CREM, ORD
8:30-10:00	<p>Key-note Panel Discussion:</p> <p><i>Needs for Integrated Environmental Modeling/Decision-Making</i></p> <p>Panel Chairperson: Candida West, ORD</p> <p>Panelists:</p> <ul style="list-style-type: none"> - John Bachmann, OAR (retired) - Barnes Johnson, OSWER - Jerry Schnoor, University of Iowa and SAB - Jim Laity, OMB, OIRA - Ken Rojas, USDA - Kathryn Lindsay, Environment Canada - Roger Moore, Center for Ecology and Hydrology, UK

10:00-10:15	Morning Coffee Break
10:15-12:15	<p>Program/Regional Office Presentations: Program/project management perspectives for case-studies of integrated modeling/integrated-decision making applications and analyzing lessons learned/to-be-learned.</p> <p>Session Chairperson: Gerry Laniak, ORD</p> <p>Case Study: Clean Air Mercury Rule and Clean Air Interstate Rule Peter Tsirigotis, OAR</p> <p>Case Study #2 (Regional Office): Chesapeake Bay Program Lewis Linker and Gary Shenk, EPA Chesapeake Bay Program Office</p>
12:15-1:30	Lunch
1:30-3:00	<p>Program/Regional Office Panel Discussion <i>Past experience, future needs in Integrated Modeling/Decision-Making</i> Panel Chairperson: Gerry Laniak, ORD</p> <p>Invited Panelists:</p> <ul style="list-style-type: none"> - Lester Grant, ORD (retired) - Cathy Fehrenbacher, OPPTS - Lydia Wegman, OAR - Zubair Saleem, OSWER - Tim Wool, Region 4
3:00-3:30	Afternoon Coffee Break
3:30-5:15	<p>Break-out Discussion Session 1: <i>Integrated Modeling/Decision-Making: Definition and Issues?</i></p> <p>Aim: To engage workshop participants in initial consensus building on program-focused integrated modeling issues</p>
5:15-6:00	Poster Session

Day 2: Science/Technology Driven Focus

8:30-10:00	Review of First Day Panel Summary and Report-out from Break-out Discussions Program/Regional Office Panel Discussion Chairperson and Co-Chairs from break-out discussion 1
10:00-10:15	Morning Coffee Break
10:15-12:15	Presentations on science and technology integrated modeling issues: scale issues, uncertainty, approaches, frameworks, standards, technologies, semantics, etc. Session Chairperson: Lewis Linker, EPA Chesapeake Bay Program Office Speakers: <ul style="list-style-type: none"> - Roger Moore, Centre for Ecology and Hydrology, UK - Sastry Isukapalli, Rutgers University - Olaf David, USDA - Justin Babendreier and Gerry Laniak, EPA/ ORD
12:15-1:30	Lunch
1:30-3:00	Presentations on integrated modeling approaches, frameworks, standards, technologies, semantics, etc. Session Chairperson: Lewis Linker, EPA Chesapeake Bay Program Office Speakers: <ul style="list-style-type: none"> - Linda Spencer, OEI - Jeff Yurk, Region 6 - Russ Kinerson, OW
3:00-3:30	Afternoon Coffee Break
3:30-5:15	Break Out Discussion Session 2: <i>Understanding Science and Technology Issues for Integrated Modeling/Decision-Making Approaches in EPA</i> <u>Aim:</u> To engage workshop participants in reflecting on science & technology implementation issues to achieve integration in modeling/decision-making.
7:00-9:00	Workshop Dinner

Day 3: EPA Integrated Modeling Vision

8:30-9:30	Break-out Science & Technology Discussion Summaries (by session co-chairs)
9:30-10:00	Strategic Plan Vision Keynote speaker – Dr. George Gray, Assistant Administrator for Office of Research and Development
10:00-10:30	Morning Coffee Break
10:30-12:00	Break Out Discussion Session 3: <i>Integrated Modeling Vision and Strategic Plan</i> <u>Aim:</u> To engage workshop participants in reflecting on both the program-focus and science & technology implementation issues to develop a vision for integrated modeling/decision-making at EPA
12:00-1:00	Break-out Strategic Plan Discussion Summaries (by session co-chairs) - Reporting and Wrap-up - Next Steps