

OFCM Special Session: Supporting Homeland Security Requirements for Atmospheric Transport and Diffusion Modeling

*In conjunction with the
8th Annual GMU Conference on Transport and
Dispersion Modeling*

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Overview

- Background
- Objectives
- Agenda
- Summary

Background

- OFCM has a long history in coordinating ATD modeling activities among the Federal agencies
- In June 2000, conducted Workshop on Multiscale Atmospheric Dispersion within the Federal Community
- In December 2001, conducted a Workshop on Effective Emergency Response
- In January 2002, OFCM formed the Joint Action Group for the Selection and Evaluation of Atmospheric Transport and Diffusion Models (JAG/SEATD)

Background

- In August 2002, JAG/SEATD published its report: *Atmospheric Modeling from Weapons of Mass Destruction: Response by Federal Agencies in Support of Homeland Security*
- In June 2003, conducted special session at the 7th Annual GMU Transport and Dispersion Conference as a first step in addressing the JAG/SEATD report's recommendations
- In October 2003, formed the Joint Action Group for Atmospheric Transport and Diffusion Modeling (Research and Development Plan)

Background

- In parallel, the Department of Homeland Security is developing a concept of operations to capitalize on Federal agency capabilities to provide ATD support for “incidents of national significance.”
- The OFCM has supported this effort and will incorporate the final concept into the interagency Homeland Security Environmental Support Plan

Objectives

- Inform attendees on the Interagency Modeling and Atmospheric Assessment Center (IMAAC) and the role the Federal agencies will play in the development of the IMAAC
- Present the draft Federal ATD R&D Plan and solicit comments, feedback, and discussion from the conference attendees

Agenda

Welcoming Remarks/Set the Stage

Mr. Samuel P. Williamson, Federal Coordinator

*Invited Talk: Interagency Modeling and
Assessment Center (IMAAC)*

*Ms. Nancy Suski, Director, Emergency
Preparedness and Response Portfolio, Science
and Technology Directorate, DHS*

Agenda

Panel Discussion (2:00): The Evolving Roles and Responsibilities of Federal Agencies in Providing Transport and Dispersion Support

Moderator: Mr. Rick Petty, DOE

Panelists:

<i>Dr. Paula Davidson, NWS</i>	<i>Mr. Bruce Hicks, NOAA/ARL</i>
<i>Ms. Debbie Payton, NOS</i>	<i>CDR Stephanie Hamilton, DTRA</i>
<i>Dr. Gayle Sugiyama, DOE</i>	<i>Dr. Stephen McGuire, NRC</i>
<i>Ms. Kathryn Snead, EPA</i>	

Coffee Break (3:15-3:45)

Agenda

Presentation and Discussion (3:45): Federal Research Needs and Priorities for ATD Modeling—A Report of the OFCM-Sponsored Joint Action Group for Atmospheric Transport and Diffusion Modeling Research and Development Plan (JAG/ATD(R&DP))

Presenter: Dr. Walter Bach, Program Manager, Environmental Sciences Division, Engineering Services Directorate, U.S. Army Research Office and Cochair, JAG/ATD(R&DP)

Wrap-up (5:15): Mr. Bob Dumont, OFCM

Summary/Next Steps

- Integrate the IMAAC concept into the Homeland Security Environmental Support Plan
- Complete the ATD R&D Plan and submit to the Federal Committee for Meteorological Services and Supporting Research for approval