



DOE Meteorological Subcommittee

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EDMS Page

Enhancing DOE operational meteorological program effectiveness through coordination, encouraging atmospheric research, and effective consequence modeling.

What We Do

Encourage synergistic information exchange between DOE/NNSA and its contractor personnel to identify and resolve meteorological monitoring, dispersion modeling, weather forecasting, and atmospheric science issues related to emergency management throughout the Enterprise.



61 Members

2024-25 Accomplishments

- Completed the “How to Get a Model into the Toolbox” white paper. Waiting final approval.
- Completed 2 on-site Site Assist Visits and Reports.
- Conducted Argonne SAV follow up consultation.
- Reviewed, updated, and modernized the Consequence Assessment Self-Assessment Guide and cross-walk with DOE O1.151E. Waiting to finalize.
- Promoted meteorology’s role in emergency management and establish SC collaborations (SEMTECH GIS, spotlight presentations, increase Storm Ready sites)
- Worked to develop future DMSC Leadership.
- Celebrated 30 years of the DMSC.



X/Q



Spotlights

- Texas/PANTEX Wildland Fire
- NREL SAV
- Severe Weather Preparedness/ Hurricane Helene
- Open Forum/Round-robins
- ORNL Met Program
- Modern Models for Calculating the Atmospheric Dispersion Factor

2025-26 Objectives

- Provide SMEs for 2 Site Assist Visits (SAVs) at DOE sites/national labs in 2025, potentially 2 in FY26, and follow up with reach-back for previously conducted SAVs.
- Identify Numerical Weather Prediction WG products and initiate development work.
- Continue to promote atmospheric science’s role in Emergency Management by establishing and furthering collaboration with other EMI-SIG subcommittees with common goals and objectives (e.g. STARS, SEMTECH). Encourage sites with limited emergency response programs to become NWS Storm Ready.
- Work with the Consequence Assessment Modeling WG to complete the revision to the Consequence Assessment Self-Assessment Guide, develop training in its application, and encourage use of the white paper to include additional models into the Consequence Assessment Modeling Toolbox.
- Foster continued and new participation of the DMSC membership in Task Group, Working Group, and Subcommittee Leadership.

Leadership

Walt Schalk (NNSS)
Chair
Carl Mazzola (LANL)
Vice Chair
Ben Harm (ORNL)
Steering Committee Advisor
Susana Herrera (NA-41)
DOE Advisor