

8th Modeling Conference: Summary

Research Triangle Park

September 23, 2005

Vision without action is a daydream.

Action without vision is a nightmare.

Vision with action creates the future.

Dispersion Modeling Futures: Vision Statement

“Lead and promote collaborative efforts on near-field air quality modeling to improve source culpability assessments”

First Essential Element

Foster a collaborative environment aimed at strengthening our technical expertise and working relationships across EPA, other Federal agencies, and the scientific community to regain our leadership role and promote use of best science and evaluation methods.

Second Essential Element

Promote and facilitate the use of gridded meteorological data including “state-of-practice” National Weather Service (NWS) meteorological analyses to improve modeling science and performance for near-field modeling applications (permits, toxics, direct PM).

Day 1 Overview

- AERMOD Implementation
- CALPUFF Implementation
- Use of Gridded MET Data

Third Essential Element

Promote continual development of appropriate model evaluation methods to identify areas of improvement in our modeling system (emissions, MET, science), prioritize the research agenda across the modeling community, and ultimately improve model performance in critical policy and science areas.

Fourth Essential Element

Promote a community approach to model development and acceptance that champions the use of best science, supports continual improvement in modeling science and data, and timely model acceptance for use in regulatory arena.

Acknowledgements