

WRAP Data Analysis & Monitoring Activities Update

by

Marc Pitchford

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Major Activities

- IMPROVE monitoring at sites representative of Federal Class I Areas
- VIEWS website to display, summarize, and disseminate data
- Cause of Haze Assessment (COHA) is the first systematic and comprehensive attribution analyses for all WRAP (also CENRAP) IMPROVE sites

Causes of Haze Assessment

Brief Overview

- Multi-year contract effort with DRI (~\$1M)
- Multiple data analyses methods with access to extensive auxiliary data (e.g. emissions, land-cover, terrain, land-use, satellite imagery, etc.),
- But no air quality modeling
- Planned WRAP and CENRAP reviews and web publications of the various analysis applications as they are completed

Causes of Haze Assessment

Brief Overview

- Designed to respond to 4 broad questions & numerous sub-questions for every class I area
 - What aerosol components are responsible for haze?
 - What is meteorology's role in the causes of haze?
 - What are the emission sources responsible for haze?
 - Are there detectable &/or statistically significant multi-year trends in the causes of haze?
- Website used to publish results so that users can cut & paste to produce custom reports, and to share access to the tools and data sources for their own assessments

Causes of Haze Assessment

Brief Overview

- Applications of the results include
 - SIP & TIP development,
 - Regional air quality model evaluation & interpretation,
 - Identification of monitoring gaps,
 - Improved methodology for setting natural haze levels,
&
 - Tracking effectiveness of emission control programs
- Progress report to be presented tomorrow morning