

Data Management

Air Resource Specialists' (ARS') Information Management Center supports the data management of air pollution, visibility, and meteorological monitoring programs.



Air Quality Database Management System

Comprehensive, PC-based, centralized state-of-the-art system:

- Efficient, effective management of environmental monitoring data and metadata
- Highest quantity, quality, and security of managed data
- Integrated relational databases, applications, and communications software
- Full range of data collection, reduction, validation, analysis, archive, and reporting capabilities
- Operational site and network data management
- Real-time custom data collection by telephone, cellular telephone, satellite, and Internet communications
- Digital image collection, distribution, and archive
- Comprehensive traceable data validation
- Data uploads to national real-time and archive databases and Web sites including NPSAirWeb, AIRNow, VIEWS, and EPA's Air Quality System
- Consistent and secure data backup and archive methodologies



Associated Services

- Filter sample chain-of-custody accounting
- Scientific interpretation and visualization
- Comprehensive reporting and presentations
- Web site design, hosting, and management
- Custom database management systems design and implementation



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