



AirNow-I System Features

AirNow-International allows you to manage, access, and track your real-time air quality data with a proven, effective system that can be customized to meet your organization's needs. The Data Management System (DMS) allows you to collect and organize your air quality and other environmental data. The Information Management System (IMS) provides a way to distribute and create the products you would like to share. Multi-lingual user interfaces are available for both DMS and IMS.

AirNow-I Benefits

- Provides decision makers with current air quality information to inform and alert the general public about air quality conditions (e.g., maps, air quality indices)
- Allows for quick responses to air quality-related events (e.g., dust storms, forest fires)
- Delivers a consistent message to public and industry
- Gathers scientific support for actions/regulations to reduce emissions and improve air quality for improved public health
- Promotes regional data exchange among adjacent cities, provinces, and countries
- Creates automated processing and quality control of air quality data
- Generates air quality information products
- Improves understanding of air quality issues
- Promotes awareness and cooperation among air quality agencies worldwide

Data Management System

Automated features:

- Data collection and processing
- Quality control (QC) of real-time data
- Data aggregation (e.g.: 1-hour average from 1-minute data) and calculation
- Data summary exports
- System monitoring
- Email notifications when quality control checks fail

Customized features:

- Quality control checks by site, pollutant, and duration (e.g., hourly and minutely)
- Data plots for air quality and meteorological data analysis and comparison
- Data summaries and reports
- Data access or permission levels for individual users

Additional features:

- Maintains chain of custody/history of data edits by users and reasons
- Maintains logs of system changes

Information Management System

- Monitors and tracks the creation and distribution of products
- Provides flexibility to add new customized programs and data products
- Controls data distribution and sharing
- Manages and monitors web services
- Converts data to user-friendly products (e.g., KML files for Google Earth display)
- Schedules product creation
- Distributes products