

Getting Started with



1. CONTACT U.S. EPA

Goal: Establish contacts with EPA and AirNow-International (AirNow-I) team

- Conduct initial, introductory conference calls to understand needs of interested country and initiate discussions on requirements, funding, and expectations
- Set up scoping mission, including logistics and meetings



2. JOINTLY CONDUCT SCOPING MISSION

Goal: Promote capacity-building by fostering scientist-to-scientist exchanges and introduce AirNow-I system

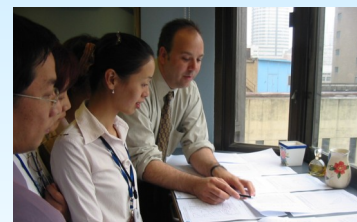
- Understand local air quality management system, including monitoring network, data acquisition system, network configuration, and quality control routines
- Discuss local air quality management needs and requirements
- Learn about air quality forecasting program
- Introduce AirNow-I system and capabilities
- Demonstration AirNow-I suite of software
- Present air quality forecasting case studies and tools
- Discuss public outreach and education techniques



Monitoring site visit in San Paulo, Brazil



Discussion during initial scoping mission to Brazil



Scientist-to-Scientist knowledge exchange in Shanghai, China

Outcome: Develop a plan of action for next steps for participation in the AirNow-I community and possible implementation of the AirNow-I suite of software programs to meet specific needs.

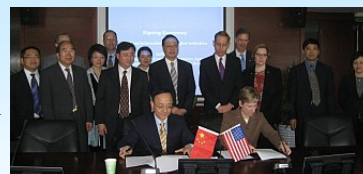
Timeframe: 3 to 6 months

3. FORMALIZE COLLABORATION ON A PLAN OF ACTION

Goal: Establish mutual understanding of future activities under the AirNow-I framework

- Formalize working relationship between US EPA AirNow-I program and interested host agency, including roles, expectations, resources, timeline, and partner institutions.

Timeframe: 6 to 9 months



Signing of collaborative agreement between U.S. EPA and Shanghai Environmental Protection Bureau in 2008

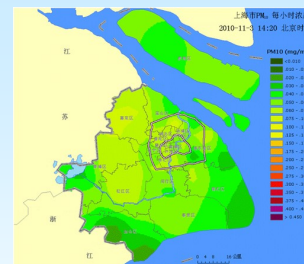
4. IMPLEMENT PLAN OF ACTION

Goal: Begin collaboration and participate in AirNow-I community

- Conduct in-depth training on forecasting and topics on air quality management
- Begin on-site testing and initial installation of AirNow-I suite, including
 - Data Management System (DMS) - decode, ingest, process, and archive data, perform automated QC, generate custom reports
 - Information Management System (IMS) - Generate, manage, and monitor products (for example, maps, web services, text files, KML)
- Discuss approaches on potential data sharing with Global Earth Observation System of Systems (GEOSS) and Eye on Earth using the AirNow-I system framework

Outcome: Fully operational AirNow-I system and partnership with AirNow-I community

Timeframe: 6 months to 1 year



A map of PM10 hourly concentrations in Shanghai produced from AirNow-I IMS

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