



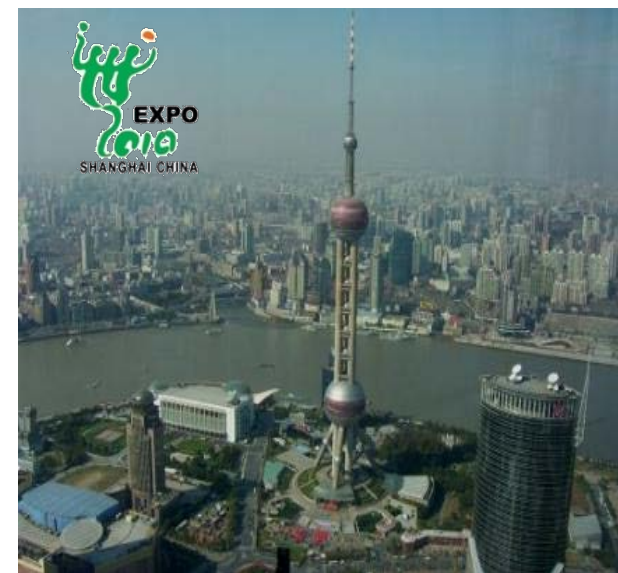
# **AirNow Global Initiative and Involvement Opportunities**

Lourdes Morales and John E. White, US EPA  
International Plenary NAQC 2018  
January 24, 2018



[www.airnow.gov/international](http://www.airnow.gov/international)

- *Growing International AQ community interest in the US AirNow Program*
- *AirNow-International successfully piloted at Shanghai 2010 World Expo*
  - *Nepal is the next operational pilot*
- *AirNow International:*
  - *System is identical to AirNow in U.S.*
  - *Is adaptable to other cities and countries*
  - *Builds a community of people and organizations dedicated to air quality information exchange*



# **AirNow** Community

International

- **Operating Partners (adopted AirNow system)**

- China: Shanghai 2010;  
Zhejiang Province 2013
- Mexico: Monterrey 2012;  
Mexico City 2014; Guanajuato  
Jalisco and Guadalajara 2015

- **Collaborating Partners (data sharing)**

- Canada 2000
- Mexicali, Mexico 2005
- Taiwan 2014 (AirNow-Tech)
- DOS Embassies and Consulates in 16 countries 2015 to present

- **AirNow Program Support Organizations**

- Technical Support - STI
- Other US Agencies - DOS, NASA, NOAA, CDC, USFS, NPS, and 150+ State/Local/Tribal air agencies
- International Organizations – Commission for Environmental Cooperation Canada, Clean Air Asia, World Bank



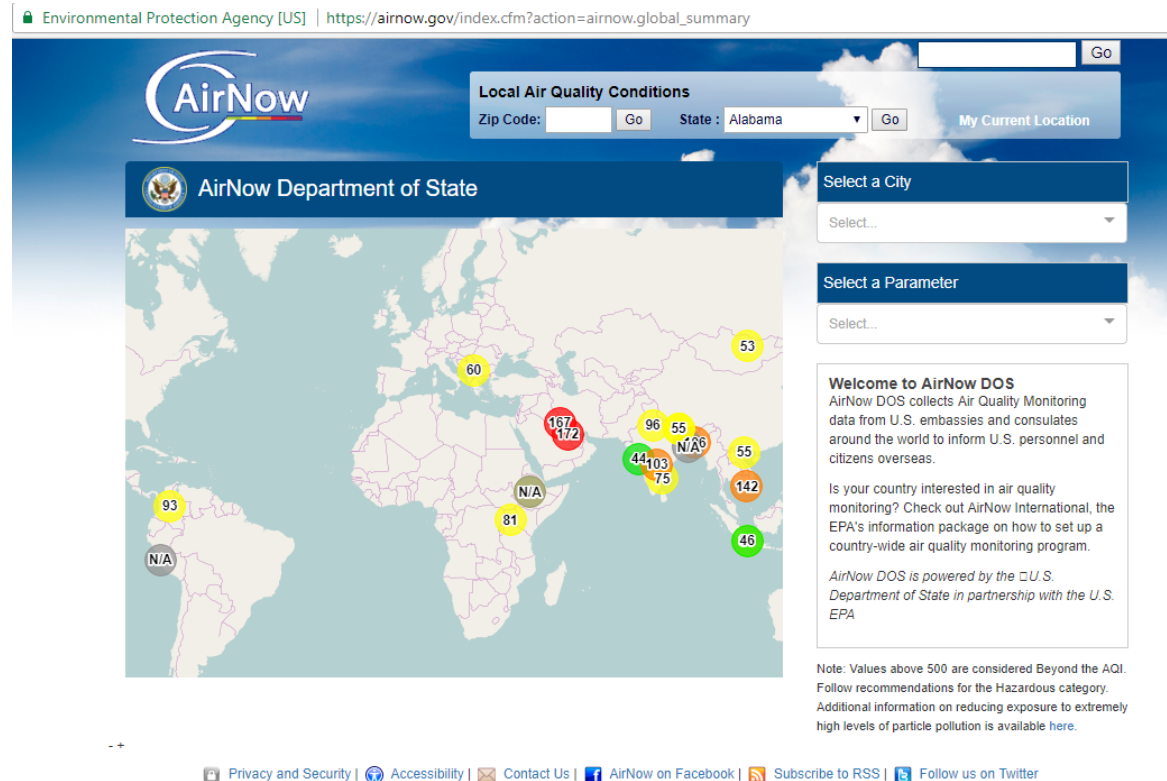
AirNow International Meeting at the 2016 Better Air  
Quality Conference Busan, South Korea



# Data & Network Expansion

**AirNow-Tech allows you to have access to U.S. & State Dept. data and**

- Taiwan
- Mexico
- Coming Soon:
  - ✓ Japan
  - ✓ Thailand
  - ✓ Vietnam
  - ✓ Indonesia



The screenshot shows the AirNow website interface. At the top, there is a search bar for "Local Air Quality Conditions" with fields for "Zip Code:" and "State:" (currently set to "Alabama"). Below this is a "Select a City" dropdown menu and a "Select a Parameter" dropdown menu. The main content area features a world map with various colored circles representing air quality data points at different locations. Some circles contain numerical values (e.g., 93, 60, 167, 172, 96, 55, 44, 103, 75, 53, 55, 142, 46, 81, N/A). A text box on the right side of the map contains a "Welcome to AirNow DOS" message, explaining that the site collects air quality monitoring data from U.S. embassies and consulates around the world. At the bottom of the page, there are links for "Privacy and Security", "Accessibility", "Contact Us", "AirNow on Facebook", "Subscribe to RSS", and "Follow us on Twitter".

**Currently there are 16 countries and 26 U.S. embassy and consulate monitors around the world reporting to AirNow, potentially up to 50 total in the next few years**



# A Global Satellite Constellation for Monitoring Air Quality

