



Alan C. Chan

Manager of AirNow and International Programs



Mr. Chan joined STI in 2002. His main responsibilities include managing the operations of the Data Management Center for the U.S. Environmental Protection Agency's (EPA) AirNow program, which is a premier real-time air quality system that environmental agencies across the United States (U.S.) rely on to improve public health, stimulate public policy, and achieve data transparency. He also leads the AirNow International (AirNow-I) program expansion initiative and STI's other international business development efforts worldwide.

Over the past decade, Mr. Chan has led the effort in training, knowledge transfer and exchange, and coordination with the Shanghai Environmental Protection Bureau on air quality forecasting, reporting, data management, monitoring, and notification to establish a foundation for EPA's AirNow-I program. This program was first launched in Shanghai, China, during the 2010 World Expo, and continues to grow globally, with additional implementations in Zhejiang Province, China, and Mexico and upcoming deployments in Ghana and Nepal. Mr. Chan also led the effort to redesign the data management system for the U.S. Department of State (DOS) Mission China's air quality monitoring program at an Embassy and four Consulates. The DOS data management program has since been expanded to installations in over two dozen cities worldwide. In addition, Mr. Chan manages a project to provide technical support for establishing sensor networks in India by a local non-government organization. He was also involved in the development of an air quality management plan for Jiangsu Province, China, as part of the U.S. Trade Development Association "Feasibility Study for the China Air Quality Management Program." Based on his broad experience working with the international air quality community, Mr. Chan was invited to join Clean Air Asia's Cities Clean Air Partnership experts group on air quality governance and assessment, as well as the United Nations Environmental Programme's Asia Pacific Clean Air Partnership Joint Forum.

Since 2014, Mr. Chan has been involved in a comprehensive environmental education and measurement system using small and low-cost air sensors called Kids Making Sense® (KMS). KMS teaches students about air quality and how to measure air pollution using hand-held sensors and mobile phones, empowering them to drive positive change in their communities. In addition to the pilots in California and New York, KMS workshops have been successfully conducted in Taiwan and Thailand.

Mr. Chan has developed and managed over a dozen air quality forecasting programs for cities throughout the United States. He is well-versed in the operational and scientific requirements for communicating timely air quality information to the public. For example, he was the project manager for the daily PM_{2.5} forecasting effort in New Orleans as part of EPA's response to Hurricane Katrina.

Education

- MS, Meteorology, Cornell University
- BA, Geography, *summa cum laude*, Boston University

For a list of publications, see sonomatech.com/ResPub/ACCpub.pdf.