



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 (DMC) for the U.S. Environmental Protection Agency's (EPA) AirNow program, which is a real-time system that collects air quality data and forecasts and communicates air quality and related health information to the public. He also leads the AirNow-International (AirNow-I) program expansion initiative and STI's other international business development efforts in China, Taiwan, and other parts of Asia.

Mr. Chan oversees the daily operations of the AirNow DMC, which provides on-demand technical support to stakeholders from more than 130 state, tribal, provincial, and local air quality agencies across the United States, Canada, and Mexico, as well as over 5,000 application developers and data users. For the past decade, Mr. Chan has led the EPA's AirNow-I program expansion effort, including training and capacity building, knowledge transfer and exchange, and coordination with worldwide government agencies. Since the first successful launch of AirNow-I in Shanghai, China, during the 2010 World Expo, the system has been in Zhejiang Province, China, and several cities and states in Mexico. Additional cities and regions worldwide will soon be joining the growing AirNow-I community. With his 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.

Since 2014, Mr. Chan has been involved in the Kids Making Sense (KMS) environmental education program. 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.

From 1999 to 2001, Mr. Chan was a research assistant at Cornell University, where he researched and analyzed 500-mb height patterns associated with East Coast winter storms, through a project funded by the National Science Foundation. His thesis was published in the American Meteorological Society's journal *Weather and Forecasting*. While at Cornell University, Mr. Chan worked as a forecaster and a teaching assistant, helping students learn forecasting techniques. He was presented with the Cornell Outstanding Teaching Assistant Award in the spring of 2000.

Mr. Chan has a strong computer background and is skilled in Fortran; Microsoft Access, Word, Excel, and PowerPoint; UNIX; GrADS; HTML; JavaScript; and Adobe Illustrator.

Education

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

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