Alan C. Chan

Senior Meteorologist
Senior Project Manager

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Mr. Chan joined Sonoma Technology in 2002. He leads Sonoma Technology's international business development efforts, including the AirNow International (AirNow-I) program initiatives in China, Mexico, Nepal, and Ghana. AirNow-I is the international version of the U.S. Environmental Protection Agency's (EPA) AirNow program for real-time public air quality information. He established a foundation for the AirNow-I program by coordinating with foreign agencies on capacity building and knowledge transfer and exchange for air quality forecasting, reporting, data management, monitoring, and public notification.

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 the Beijing Embassy and four Consulates. The DOS data management and air monitoring program has since been expanded to over 50 cities worldwide. In addition, Mr. Chan managed a project that provided 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.

> **Education**
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> - MS, Meteorology, Cornell University
> - BA, Geography, *summa cum laude*, Boston University
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> For a list of publications, see
> **sonomatech.com/ResPub/ACCpub.pdf**.

Since 2014, Mr. Chan has been involved in Kids Making Sense®, a comprehensive environmental education and measurement curriculum that uses small, low-cost air sensors. Kids Making Sense teaches students about air quality and how to measure air pollution using these hand-held sensors and mobile phones, empowering them to drive positive change in their communities. Kids Making Sense has been implemented in classrooms across the United States, and pilot workshops have also been successfully conducted in Taiwan, Thailand and the United Kingdom.

Furthermore, with his experience leading the operations of the AirNow Data Management Center for over a decade, he continues to work closely with EPA in the design and development of the new **AirNow.gov** website and the AirNow mobile app. These applications help environmental agencies across the U.S. to meet their public outreach and health goals.

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 managed a project that involved conducting daily $PM_{2.5}$ forecasts in New Orleans as part of EPA's response to Hurricane Katrina.