Tami L. Lavezzo

Manager, Wildfire & Smoke Analysis Group
Vice President / Senior Scientist
Senior Project Manager

Ms. Lavezzo joined Sonoma Technology in 1996 and currently serves as Manager of the Wildfire & Smoke Analysis Group, Vice President, and as a corporate leader on the Senior Advisory Team. Her primary duties involve helping to lead Sonoma Technology's Fire and Smoke Sciences Program and managing complex litigation service projects. In her role helping to lead Sonoma Technology's fire and smoke sciences program, Ms. Lavezzo serves as the technical lead for wildland fire pre-planning and mitigation services and supports multi-disciplinary fire and smoke-related projects across the organization. As a manager of litigation services projects, Ms. Lavezzo works with clients and subject matter experts to provide strategic analyses, scientific reports, and custom work products to address complex litigation and regulatory compliance matters. Ms. Lavezzo oversees and manages the design and development of modeling, analysis, and outreach software tools for different types of fire science, air quality, and environmental data. She has been involved in several large projects that require the development of software systems to support environmental modeling and data analysis, including the design and implementation of the first-generation Interagency Fuels Treatment Decision Support System (IFTDSS) for the Joint Fire Science Program. Ms. Lavezzo also leads and contributes to projects that combine and analyze data to support environmental planning, compliance, and litigation, including Community Wildfire Protection Plans (CWPPs), fire hazard mitigation plans, regional and national air quality assessments, emissions inventory studies, and facility-level air impact assessments.

Education

- MBA, Saint Mary's College
- BS, Chemistry, Sonoma State University

Memberships and Awards

- Air & Waste Management Association
- International Association of Wildland Fire
- National Science Foundation Research Fellowship recipient, University of New Mexico, 1995

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

Ms. Lavezzo's recent work includes leading a county-level evacuation risk assessment for Marin County. She also led the development of the Marin County CWPP for FIRESafe Marin and the Marin County Fire Department in 2021. She is a member of the Pyregence Consortium that is developing next generation fire and fire weather models. She has worked on projects that involve assessing air emissions, dispersion, and deposition of perfluoroalkyl substances (PFAS) to the environment as well as issues related to industrial facility emissions and potential impacts on environmental justice communities.

Ms. Lavezzo's background includes analyzing air quality data, estimating air emissions, and using GIS spatial analysis techniques to quality assure, analyze, and develop applications for displaying and manipulating environmental data. Ms. Lavezzo has used advanced statistical methods for mapping ozone and particulate matter data to support the EPA's AirNow public awareness program. She has worked with health researchers at the University of California, Los Angeles (UCLA), the University of Southern California (USC), and the National Institute of Health (NIH) to develop methods for improving spatial data for applications requiring a high degree of spatial resolution and accuracy. Her experience with emissions inventories includes quality assurance and reconciling emissions estimates with ambient data.

Ms. Lavezzo's corporate contributions include assisting with the development and implementation of business growth initiatives, assisting with grant and proposal writing, and corporate financial analysis and reporting. She has served as a proposal peer-reviewer for the Joint Fire Sciences Program. Prior to joining Sonoma Technology, Ms. Lavezzo worked as a staff chemist at Brunsing Associates, Inc., where her duties included handling, analyzing, and quality controlling environmental samples as well as generating and editing laboratory reports. Ms. Lavezzo also developed the Children's Technology Workshop program in the San Francisco North Bay Area, which teaches science, engineering, and digital arts programs to children.