



Tami L. Lavezzo

Senior Scientist
Senior Project Manager

Ms. Lavezzo joined STI in 1996 and currently serves on the Board of Directors. Her primary duty involves managing litigation service projects, including data analysis, emissions assessments, and air quality modeling. She also helps to coordinate STI's Fire and Fuels Sciences Program and Kids Making Sense Program. Ms. Lavezzo oversees and manages the design and development of modeling, analysis, and outreach software tools for different types of air quality and fire science environmental data. She has been involved in several

large projects that require the development of software systems to support environmental data analysis, including the design and implementation of the first-generation Interagency Fuels Treatment Decision Support System (IFTDSS) for the Joint Fire Science Program, and the Data Management System (DMS) currently used by several air quality agencies and the U.S.

Environmental Protection Agency (EPA) to manage air monitoring data.

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), regional and national air quality assessments, emissions inventory studies, and facility-level air impact assessments.

Ms. Lavezzo recently managed and contributed technically to a CWPP for Marin County, California, for FIREsafe Marin and the Marin County Fire Department. She has worked on regional air monitoring network assessments for the San Joaquin Valley Unified Air Pollution Control District, the Wyoming Department of Environmental Quality, and EPA.

Ms. Lavezzo is currently overseeing STI's Kids Making Sense program that engages middle- and high-school students and teaches them about air quality using small sensor technology to monitor and analyze air pollution.

Ms. Lavezzo's background includes using spatial analysis techniques to quality assure, analyze, and develop applications for displaying and manipulating environmental data. Ms. Lavezzo created the STI air quality mapping group, in which she used statistical techniques to develop spatial representative data for use in epidemiological studies, and developed new methods for improving the quality and representativeness of emissions inventory 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 inventory quality assurance and reconciling emissions estimates with ambient data. Ms. Lavezzo performed several emissions inventory reconciliation projects, including the Paso del Norte Ozone Study, the Coordinating Research Council-Northeast Study, the Integrated Monitoring Study-1995 Emission Reconciliation Task for California's San Joaquin Valley, and an emissions reconciliation for the Houston, Texas, region.

Ms. Lavezzo's corporate contributions include serving on STI's Board of Directors, assisting with the development and implementation of business growth initiatives, assisting with grant and proposal writing, and corporate financial analysis and reporting. Prior to joining STI, 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.

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.