

TAMI H. FUNK

Group Manager, Environmental Data Analysis



Educational Background

M.B.A., Saint Mary's College

B.S., Chemistry, Sonoma State University

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Professional Experience

Ms. Funk joined STI in 1996. Her primary duties are project management and the use of technology-based tools to display, develop, and analyze environmental data. Ms. Funk is currently involved in several projects that require the development of software systems to support environmental data analysis and decision-making, including the design and implementation of an Interagency Fuels Treatment Decision Support System for the Joint Fire Science Program and a Fire and Fuels Application for the Fire and Environmental Applications Team within the U.S. Forest Service. Ms. Funk also contributes to projects that combine and analyze data to support environmental decision-makers, including regional and national air monitoring network assessments and emission inventory studies.

Ms. Funk recently managed and contributed technically to a regional air monitoring network assessment for criteria pollutants for the San Joaquin Valley Unified Air Pollution Control District. She has also managed a national air monitoring network assessment for the U.S. Environmental Protection Agency's (EPA) Photochemical Assessment Monitoring System program and a regional air monitoring network assessment in southwest Wyoming for the Wyoming Department of Environmental Quality.

Ms. Funk's background includes using spatial analysis techniques to quality assure, analyze, and develop applications for displaying and manipulating environmental data. Ms. Funk created the STI air quality mapping group where she used statistical techniques to develop spatial representative data for use in epidemiological studies, and developing new methods for improving the quality and representativeness of emission inventory data. Ms. Funk has used advanced statistical methods for mapping ozone and particulate matter data to support the EPA's AIRNow public awareness program. She worked with health researchers at UCLA, USC, and NIH to develop methods for improving spatial data for applications requiring a high degree of spatial resolution and accuracy. Her experience with emission inventories includes inventory quality assurance and reconciling emissions estimates with ambient data. Ms. Funk performed several emission 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. Funk's corporate contributions include assisting STI's Director of Marketing with the development and implementation of marketing and business development initiatives and assisting STI's financial officers with corporate financial analysis and reporting.

Prior to joining STI, she worked as a staff chemist at Brunsing Associates, Inc., where her duties included handling, analyzing, and quality control of environmental samples as well as generating and editing laboratory reports. Ms. Funk also started and developed the Children's Technology Workshop program in the San Francisco Bay Area which teaches science, engineering, and digital arts programs to children.

Memberships and Awards

Air & Waste Management Association

National Science Foundation Research Fellowship recipient, University of New Mexico, 1995