

DOUGLAS S. EISINGER

Director of Transportation Policy & Planning (STI)
Program Manager for the U.C. Davis-Caltrans Air Quality Project



Educational Background

Ph.D., Environmental Policy Analysis, University of Wales, United Kingdom
M.P.P., Energy and Environmental Policy, Harvard University
B.A., Government, Cornell University

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Professional Experience

Dr. Eisinger joined STI in 1995 and is Director of Transportation Policy and Planning. In 2006-2007, he was a Resources for the Future (RFF) *Fellow in Environmental Regulatory Implementation*. Also in 2006, the American Association of State Highway and Transportation Officials (AASHTO) Center for Environmental Excellence selected Dr. Eisinger as a national air quality expert. Since 1997, he has been the Program Manager for the U.C. Davis-Caltrans Air Quality Project. From 1991-1995, he was the Mobile Sources Section Chief for the U.S. Environmental Protection Agency (EPA), Region 9, San Francisco.

Climate Change: In 2009, Dr. Eisinger, together with faculty at U.C. Davis (UCD), created a framework to prioritize transportation project impacts on greenhouse gas (GHG) emissions. Beginning 2008, Dr. Eisinger led, in collaboration with three Washington State agencies, a U.S. Federal Highway Administration (FHWA)-sponsored effort to assess how land use and transportation changes affect GHG emissions. In 2007, Dr. Eisinger, together with researchers at UCD, evaluated GHG emissions differences produced by California Air Resources Board and EPA (MOVES) emissions models. In 2007, Dr. Eisinger led a team of UCD researchers to develop CT-EMFAC; it estimates on-road carbon dioxide (CO₂) and other emissions. He also chaired a 2009 Transportation Research Board conference session: "Incorporating GHG Considerations into Transportation Project and Metropolitan Planning Requirements."

Particulate Matter (PM) and Air Toxics: In 2009, together with researchers from UCD and FHWA, Dr. Eisinger published a PM hot-spot dispersion modeling assessment. In 2006, Dr. Eisinger led an STI and university faculty team that published a strategic research plan for transportation-related PM. Together with UCD, he developed a project-level air toxics analysis protocol. In 2005, Dr. Eisinger, UCD, Caltrans, and FHWA authored a protocol to evaluate transportation projects and PM₁₀. From 2002-2005, he oversaw two FHWA-sponsored toxics studies.

Inspection and Maintenance (I/M): Dr. Eisinger has a book forthcoming (2010) from RFF Press on U.S. I/M policy implementation. In 2008 and 2005, Dr. Eisinger published analyses of I/M policy implementation. Dr. Eisinger also managed several I/M studies for the Bureau of Automotive Repair, including creation of software tools to evaluate the California I/M program, and worked extensively on I/M implementation while with the EPA.

Transportation Control Measures (TCMs): In 2006, Dr. Eisinger, with UCD, presented a California workshop regarding the development of TCM state implementation plan (SIP) commitments and avoidance of conformity problems. In 2004, Dr. Eisinger, with UCD, published TCM guidance by synthesizing court decisions, agency experiences, and federal policies. He also authored national TCM guidance for the EPA.

Training, Education, and Outreach: Dr. Eisinger is an Adjunct Associate Professor at the University of Hawaii, where he has taught *Atmospheric Pollution* since 1998. He also taught *Transportation Policy* at UCD. Dr. Eisinger has taught air quality courses for Caltrans and, while at the EPA, implemented public and media outreach.

Transportation Conformity and Regional and Project-Level Analysis: Beginning in 2008, Dr. Eisinger led an Arizona Department of Transportation-sponsored study investigating construction emissions (including CO₂). In 2006, Dr. Eisinger, with UCD, developed a protocol for completing 8-hour ozone conformity assessments.

Dr. Eisinger's community service includes chairing a nonprofit foundation serving public schools, chairing his town's Fiscal Advisory Committee, and helping to raise \$121 million to rebuild three high schools.

Memberships

Air & Waste Management Association
Association for Public Policy Analysis and Management
Transportation Research Board (member, TRB Transportation Air Quality Committee – ADC20)

See <http://www.sonomatech.com/staff.cfm> for a list of publications.