UNIVERSITY OF CALIFORNIA, DAVIS

CLIMATE SMART TRANSPORTATION AND COMMUNITIES CONSORTIUM

PRINCIPAL INVESTIGATOR: **Daniel Sperling**, Professor and Director of the Institute of Transportation Studies

PROJECT GRANT $2,632,000 Duration: 24 Months	PRIORITY RESEARCH AREAS
	☑ Accelerating and Supporting Transitions to Climate Smart Communities
	☑ Integrating Land Use, Conservation, and Management into California Climate Change Programs

This research will address transportation-related environmental impacts that fall disproportionately on the most vulnerable populations while meeting the mobility needs of society, fostering healthy and equitable communities, and supporting economic growth. Researchers will organize around five interrelated areas--innovative mobility, electrification, public transit, land use and active transportation, and goods movement--with equity and policy engagement serving as crosscutting themes throughout. The research program will advance the state of knowledge in these five areas through regional "case study" initiatives in Southeast Los Angeles, the Inland Empire, and the Central Valley as well as three statewide initiatives. The statewide initiatives are 1) Leveraging the Three Revolutions to Create Equitable and Sustainable Communities, 2) Accelerating the Transition to Zero-Emission Vehicles, and 3) Statewide Transportation Modeling Initiative.

PARTNERS	Academic Partners: Lawrence Berkeley National Lab, UC Berkeley, UC Irvine, UC Los Angeles, UC Riverside, and the University of Southern California Government Partners: Association of Monterey Bay Area Governments, City of Riverside, Federal Transit Administration, Los Angeles County Metropolitan Transportation Authority, Metropolitan Transportation Commission, Port of Long Beach, Riverside County Transportation Commission, Riverside Transit Agency, San Diego Association of Governments, Southern California Association of Governments, and Western Riverside Council of Governments Industry Partners: Uber Non-Governmental Organization (NGO) Partners: California Association of Councils of Governments, Center for Community Action and Environmental Justice, Coalition for Clean Air, Communities for a Better Environment, The Greenlining Institute, Inland Congregations United for Change, Inland Coalition for Immigrant Justice, Institute for Local Governments, Natural Defense Council, Southeast Los Angeles (SELA) Collaborative, Warehouse Workers Resource Center, West Oakland Environmental Indicators Project, WALKSacramento, and Valley LEAP
RESEARCH ACTIVITIES	Accelerate the transition towards climate-smart, equitable communities and transportation by expanding the research foundation around innovative mobility, electrification, public transit, land use and active transportation, and goods movement to inform strategies for reducing transportation-related greenhouse gas emissions (GHGs), with a focus on disadvantaged communities. Collaborate with and support Community Based Organizations (CBOs), NGOs, public agencies, and the private sector to translate research into strategies that reduce GHG emissions, create a healthier and more equitable society, and support economic growth.
FACILITATES GREENHOUSE GAS EMISSIONS REDUCTIONS	Co-develop, evaluate and implement solutions to reduce GHG emissions in partnership with regional, city and county leaders, and community members to ensure real reductions in GHGs are realized. This research tackles three core strategies for reducing GHG emissions in transportation: improving the efficiency of the transportation system, transitioning to cleaner fuels and vehicle, and reducing travel demand by creating multi-modal, compact communities.
BENEFITS DISADVANTAGED AND LOW INCOME COMMUNITIES	Each regional study will focus on priority issues identified by community stakeholders, with an Advisory Committee comprised of public agency and CBO representation guiding all stages of research and helping to translate research results into available actions. A Transportation Equity and Environmental Justice Working Group will match researchers with community envoys to share information, provide project guidance, discuss implications of research results, identify future research needs, and develop best practices and policy strategies.
ENGAGEMENT ACTIVITIES	Gather input from community groups and key stakeholders at all stages of research projects and assist community groups in being more effective in the policy process. Provide groups with the information and data needed to identify the best policy solutions. Researchers will establish advisory committees, form a Transportation Equity and Environmental Justice Working Group, work with partners to engage with local government leaders and policy makers, and organize focus groups and workshops.