Climate and transportation expert panel

Metro

Metro has convened a panel of experts to provide insights from around the country.

7:30 to 10 a.m. | Wednesday, June 22, 2022

Pre-registration is required. An agenda and materials will be sent in advance.

Hear from experts across the country about tools, best practices and lessons learned in the assessment and monitoring of the climate impacts of transportation.

The transportation sector is the largest contributor to greenhouse gas emissions in Oregon. Transportation will be a key focus, as Oregon and the greater Portland region increase efforts to address climate change. Metro is updating the Regional Transportation Plan, including the Climate Smart Strategy. The updated plan will advance the region's carbon reduction strategy and will be responsive to Executive Order 20-04 and the statewide Climate-Friendly and Equitable Communities rulemaking.

Metro has invited a panel of experts to review Climate Smart and the modeling tools used in the Portland region and share their insights and experiences. The panel discussion and feedback will help inform how Metro continues to advance its practices as we work toward meeting adopted Vehicle Miles Traveled (VMT) and greenhouse gas (GHG) reduction targets.

Join us to learn more about modeling and monitoring transportation's impact on climate change, and hear what these experts have to say.

Register for the Zoom webinar:
https://bit.ly/Climatetransportation

Climate and transportation expert panelists

Kyung-Hwa Kim
Performance Analysis and Monitoring Manager; Transportation Access and Mobility Group
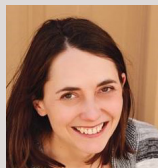*Atlanta Regional Commission*

Eric Sundquist
Sustainability Advisor; SB 743 Program Manager
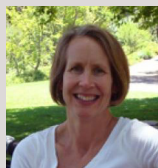*California Department of Transportation*

Shoshana Lew
Executive Director
Colorado Department of Transportation

Rebecca White
Division of Transportation Development Director
Colorado Department of Transportation

Susan Handy
Professor of Environmental Science and Policy and Director
National Center for Sustainable Transportation at the University of California, Davis

Dan F.B. Flynn, PhD
Data Scientist
U.S. Department of Transportation Volpe Center

Expert panel bios

Kyung-Hwa Kim

Kyung-Hwa Kim's managerial portfolio includes performance measurement, project prioritization, scenario planning, congestion management, Dashboard management, big data management/monitoring/analysis, air quality and resilience program management, performance-based planning, regional activity-based model application and support for regional policy analysis. She has served on numerous peer modeling review committees and was a member of the Oregon Modeling Steering Committee, Transportation Research Board (TRB), Transportation Survey Methods Committee, and the TRB Task Force on Moving Activity-Based Approaches to Practice Committee. Currently she is serving a member of the standing committee on Performance Management AJE20.

Eric Sundquist

Eric Sundquist joined Caltrans in 2021. In his role of sustainability advisor he serves as program manager for VMT reduction and SB 743 implementation. Prior to working at Caltrans, Eric worked as the director of the State Smart Transportation Initiative (SSTI) at the University of Wisconsin. SSTI works with state DOTs nationally to modernize policy and practice around policy goals including environmental protection, equitable transportation service and impacts, and cost-savings. Eric has been active in the Transportation Research Board, chairing the Social, Economic, and Cultural Issues Section and serving as paper review coordinator for the Major Cities and Transportation and Sustainability Committees.

Shoshana Lew

Shoshana M. Lew was appointed as the executive director for the Colorado Department of Transportation in December 2018. She is charged with leading the department in planning for and addressing Colorado's transportation needs, overseeing 3,300 employees statewide, and an annual budget this year of approximately $2 billion. Prior to coming to Colorado, she served as the chief operating officer for the Rhode Island Department of Transportation. She also served as the chief financial officer and assistant secretary for budget and programs for the U.S. Department of Transportation (USDOT), as well as the deputy assistant secretary for transportation policy at the USDOT.

Rebecca White

Rebecca White serves as the Director of Colorado Department of Transportation's (CDOT) Division of Transportation Development (DTD). In this capacity Rebecca oversees the Department's planning, research, environmental, and modeling activities. Prior to joining DTD, Rebecca served as Deputy Director of the Central 70 Project – the largest project in CDOT history—where she directed all communications and government affairs, developed CDOT's first-ever local-hire workforce development program, and led a program to deliver home improvements to hundreds of residents. Before joining CDOT, Rebecca was the Deputy Division Director at the U.S. Environmental Protection Agency, Office of Transportation and Air Quality, in Washington, D.C., where she assisted in the management of the Transportation and Climate Division.

Susan Handy
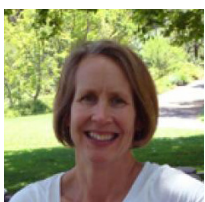
Susan Handy is a Professor of Environmental Science and Policy and Director of the National Center for Sustainable Transportation at the University of California, Davis, where she also chairs the graduate program in Transportation Technology and Policy. Her research focuses on travel behavior and transportation planning. Recent projects examine bicycling as a mode of transportation, strategies for reducing automobile dependence and and capturing induced travel.

Dan F.B. Flynn, PhD

Dr. Dan Flynn is a data scientist with 15 years of experience in quantitative research on transportation safety, land use, and environmental science. His research projects span across modes, using statistical tools to derive insights from and create compelling visualizations of complex data sets. Dr. Flynn supports the Office of the Undersecretary for Policy at U.S. Department of Transportation to pilot machine learning and predictive modeling of police-reportable crashes in near real-time using crowd sourced data. He also serves as a technical lead for the development of an innovative statistical model to assess the safety of motor carriers in the United States for the Federal Motor Carrier Safety Administration.

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