

<b>UTC Project Information</b>	
Project Title	The Impact of Shared Mobility Options on Travel Demand
University	University of Washington
Principal Investigator	Anne Vernez Moudon
PI Contact Information	moudon@uw.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans \$180,000 University of Washington \$45,000 WSDOT \$40,000 Puget Sound Regional Council \$35,000 University of Idaho \$60,000
Total Project Cost	\$360,000
Agency ID or Contract Number	69A3551747110
Start and End Dates	September 1, 2018-August 31, 2020
Brief Description of Research Project	<p>The increasing availability of shared mobility options is having a profound impact on travel demand. Smartphone based technology has permitted the rapid spread of bike-, car-, ride-sharing, and ride-hailing options, which has impacted how people use traditional travel modes, especially private cars and public transit. Transportation policies urgently need to consider these changes. However, lack of data impedes the objective assessment of both the positive and negative aspects of shared travel options, and prevents shaping policies to effectively guide future transportation investments.</p> <p>The project goal is to use existing travel behavior datasets to identify patterns in the emerging use of shared mobility options. A partnership between the UW and UI, the project will analyze data from several large datasets in Washington and Idaho states, to include data on household travel available from MPOs; employers' data from Commute Trips Reduction program (CTR); longitudinal (2008-2018) data from National Institute of Health sponsored projects in King County; and data from dockless bike share programs. Associated GPS data may also be used to facilitate the analyses (e.g., to identify detailed travel patterns).</p>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>The project team made several presentations:</p> <ol style="list-style-type: none"> <li>1. Posters at PacTrans Conferences in October 2018 and October 2019</li> <li>2. Paper presentation at International Association for China Planning (IACP) conference 2019</li> <li>3. Presentation by team to Puget Sound Regional Council Spring 2019</li> <li>4. On August 23, 2019, PacTrans multi-institution project “the impact of shared mobility options on travel demand” held a workshop at the Puget Sound Regional Council (PSRC). PSRC and WSDOT are co-sponsors of the project. The workshop included almost 30 people, and attracted 16 from PSRC (the Puget Sound Region Metropolitan Organization), 5 from Seattle and one from Washington State DOT—see photos attached on next page</li> <li>5. Poster presentation at TRB 2020, 2021</li> <li>6. Paper under review by the International Journal of Sustainable Transportation</li> <li>7. Paper under development</li> </ol>
<p>Impacts/Benefits of Implementation (actual, or anticipated)</p>	<p>We continue to work closely with</p> <ul style="list-style-type: none"> <li>- Brian Lee at the Puget Sound Regional Council</li> <li>- Michael Wandler of the Commute Trip Reduction program at WSDOT</li> <li>- Anne Eskridge and team at the University of Washington Transportation Services</li> </ul> <p>We established close relationships and continue to work with colleagues in the private sector (1) at Microsoft Research and (2) at Scoop carpooling (app-based carpooling outfit)</p>
<p>Web Links</p> <ul style="list-style-type: none"> <li>• Reports</li> <li>• Project Website</li> </ul>	

Photos from August 23, 2019, workshop held at the Puget Sound Regional Council (PSRC).



PacTrans team: Yiyuan Wang (UW), Qing Shen (UW), Mike Lowry (UI), Anne Vernez Moudon (UW), Brian Lee (PSRC), Jeff Ban (UW), Feiyang Sun (UW)




Workshop attendees