



Project Information Form

Project Title:	Career Pathways for Transportation Sector Climate Adaption Professionals
University:	University of Vermont
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Funding Source(s) and Amounts Provided (by each agency or organization):	USDOT - \$39,000
Total Project Cost:	\$39,000
Agency ID or Contract Number:	DOT 69A3551747114 UVM-DOT-402-WP
Start and End Dates:	October 1, 2017 – September 30, 2018
Brief Description of Research Project:	Climate adaptation is receiving increased emphasis in transportation agencies at all levels, creating a growing demand for skilled adaptation professionals. As an emerging field (involving allocation of limited resources while balancing climatological uncertainties, infrastructure vulnerability, system level criticality, and social equity) the pathways for developing the skills and competencies required for climate adaptation careers are not well established. Through surveys and interviews with current adaptation professionals, this project will document key skill profiles and competency sets needed for a career in transportation sector climate adaptation, as well as the educational and training opportunities available for developing these proficiencies. Special emphasis is placed on identifying skills that are not well incorporated into current curricula or training programs. A preliminary set of Competency Models and Career Pathway tools will be developed, identifying knowledge, skills, and competencies required to succeed in transportation sector climate adaptation positions and provide career lattices illustrating to the experience needed to advance in this area. The results of this project will inform how agencies develop job descriptions, conduct recruitment, and develop and allocate internal training resources, as well as the education and training sought by established and aspiring adaptation professionals.
Describe Implementation of Research Outcomes (or why not implemented): Place any photos here	



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Impacts/Benefits of Implementation (actual, not anticipated):	
Web Links <ul style="list-style-type: none">• Reports• Project website	https://ncst.ucdavis.edu/white-paper/career-pathways-for-transportation-sector-climate-adaption-professionals/