



UTC Project Information – Cooperative Mobility for Competitive Megaregions (CM²)

Project Title	Analyze the Spatial Inequality Trends in the U.S. Megaregions
University	University of Texas at Austin
Principal Investigator	Ming Zhang
PI Contact Information	zhangm@austin.utexas.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	U.S. Department of Transportation: \$10,000
Total Project Cost	\$10,000
Agency ID or Contract Number	UTDOT Grant number: 69A3551747135
Start and End Dates	01/01/2021 – 07/31/2022
Brief Description of Research Project	There have been growing concerns around the world over the rising spatial inequality (SI) and persistent efforts to reduce SI. This report presents an effort to benchmark the conditions of spatial inequality in the territorial scale of megaregions. In addition, the study explored the role of high-speed rail (HSR) as an infrastructure investment approach to reshape, or desirably to reduce SI. Three megaregion cases, The Texas Triangle (USA), The Northern Powerhouse (UK), and The Mid-Yangtze River City Cluster, were selected to analyze the effects of HSR in modifying the level and distribution of accessibility to employment and wealth. The report demonstrates that multi-continental studies contribute to the knowledge base on strategic spatial planning and improve understanding of both the effectiveness and limitations of major transportation investments (HSR in this case) to address SI challenges under different national and regional context.
Describe Implementation of Research Outcomes (or why not implemented)	Project has not begun yet, so no impacts have been realized.
Impacts/Benefits of Implementation (actual, not anticipated)	Project has not begun yet, so no impacts have been realized.
Web Links (to reports, project website, etc.)	