

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	URBANO: A computational tool-kit for integrated urban design incorporating active transportation, pollution, and outdoor comfort models to facilitate the design of healthy and sustainable urban habitats
University	Cornell University
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$65,349 Cornell: \$33,375
Total Project Cost	\$98,724
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 10/01/18 End date: 12/31/19
Brief Description of Research Project	Rapid urbanization and new construction estimated to be 250 times NYC by 2050, is increasing traffic congestion, pollution and related health threats. Understanding consequences of urban design choices on mobility, sustainability and health is hence a necessity and requires development of a new design toolkit that allows non-specialized urban designers to quantify performance of mobility solutions, sustainability, public health impacts, pedestrian thermal comfort and pollution exposure during the earliest stages of a design process. Embedded in a generative, performance driven design process, such a tool can significantly facilitate the design of healthy and sustainable urban habitats that promote active mobility.
Describe Implementation of Research Outcomes (or why not implemented)	
Place Any Photos Here	

Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links ^[SEP] <ul style="list-style-type: none">• Reports• Project website	Project Page: www.urbano.io Lab Page: www.es.aap.cornell.edu http://ctech.cee.cornell.edu/final-project-reports/