Climate Smart Cities

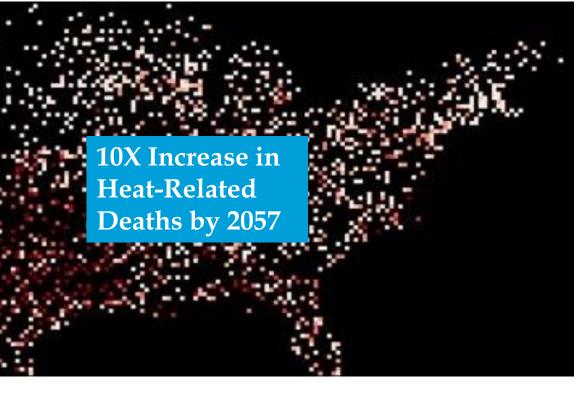
Linking climate justice, environmental performance, and community engagement

Shaun O'Rourke Green Infrastructure Director shaun.orourke@tpl.org @shaun_orourke



Climate-Smart = Low-Carbon + Resilient



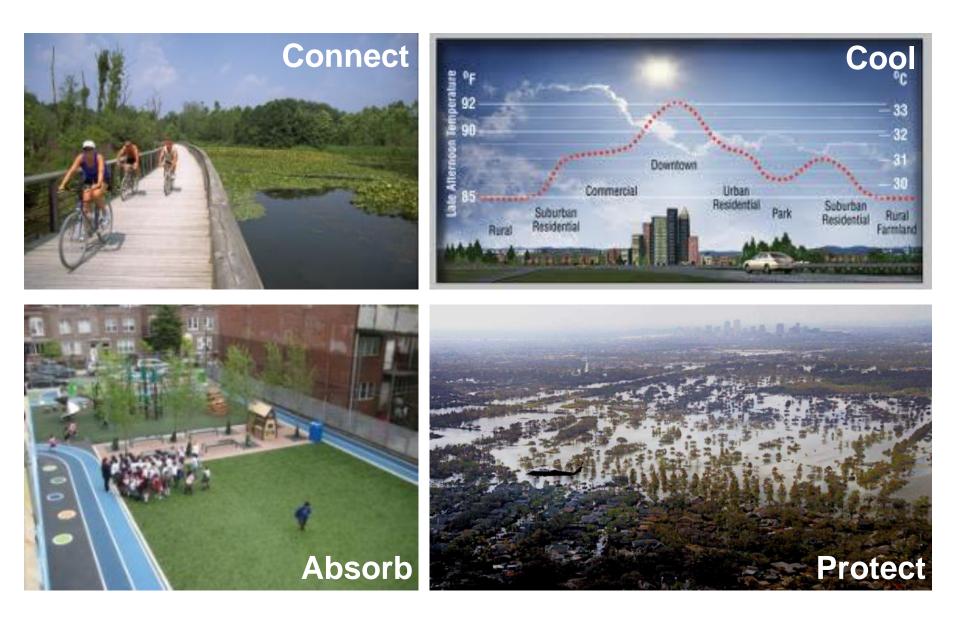






Heat Hits Hardest for Low Income and Elderly





Program Objective: Help Cities Deploy Green Infrastructure within Climate-Smart Cities Framework

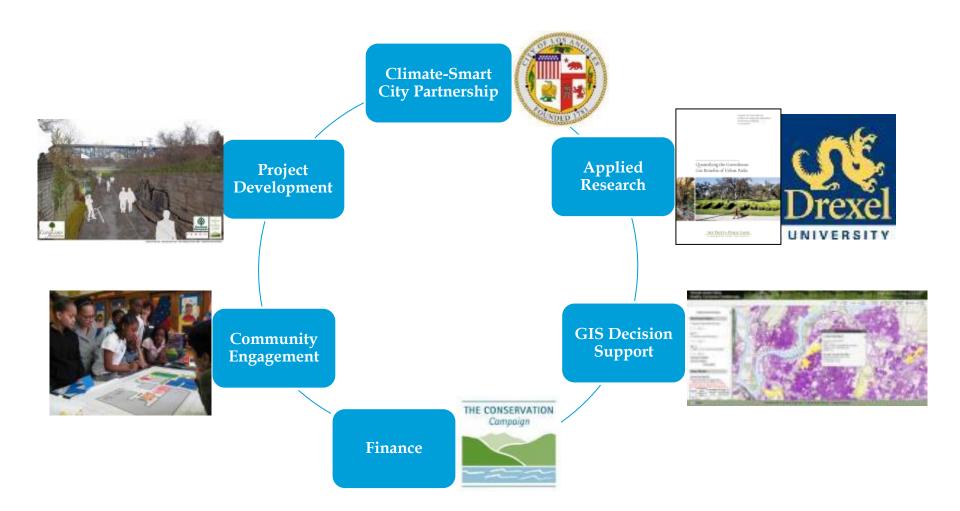




Climate-Smart Cities Partnerships



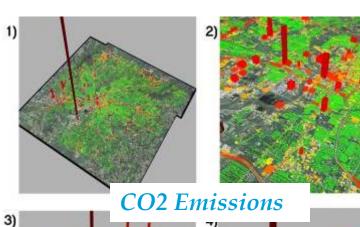
March 16, 2016. Copyright @ The Trust for Public Land. The Trust for Public Land and The Trust for Public Land logo are federally registered marks of The Trust for Public Land. Information on this map is provided for purposes of discussion and visualization only. www.tpl.org

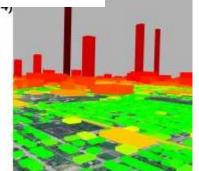


Our Climate-Smart Cities Model Integrates from Planning to Implementation



It All Starts with Data!

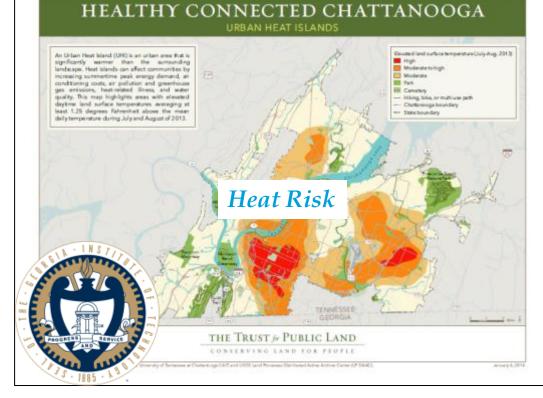








Jet Propulsion Laboratory California Institute of Technology

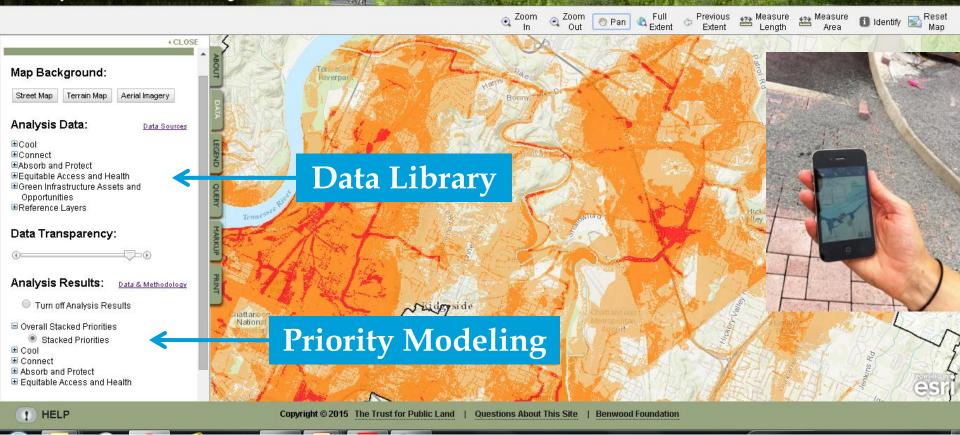




Decision Support Tool Integrates and Democratizes Data

Climate Smart Cities: Healthy Connected Chattanooga

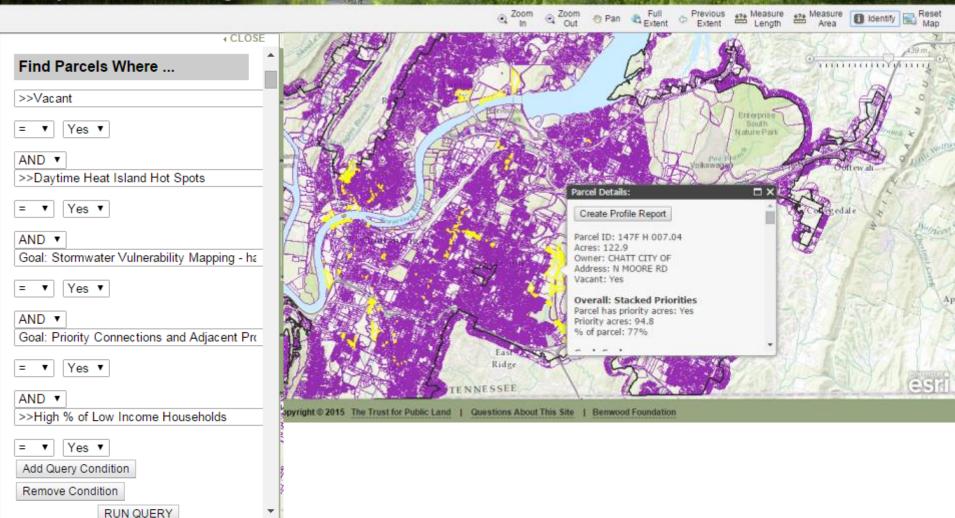
THE TRUST for PUBLIC LAND





Climate Smart Cities: Healthy Connected Chattanooga

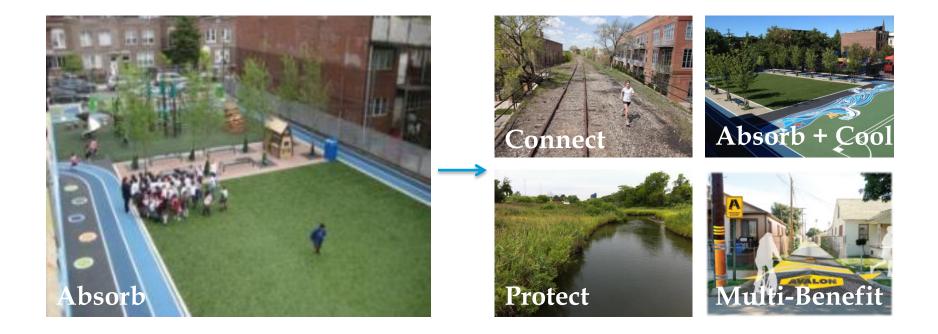
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Our Tool Works at the Parcel Level and Lets Users Ask Questions of the Data



Climate Smart Cities Implementation



From Absorb to Multiple Benefit Urban Greening







Green Infrastructure Schoolyards

Green Alleys



Connective Corridors/ Linear Parks





Community Agriculture

Water-Smart Parks

TPL Green Infrastructure Project Typologies



Green Alleys Los Angeles, California

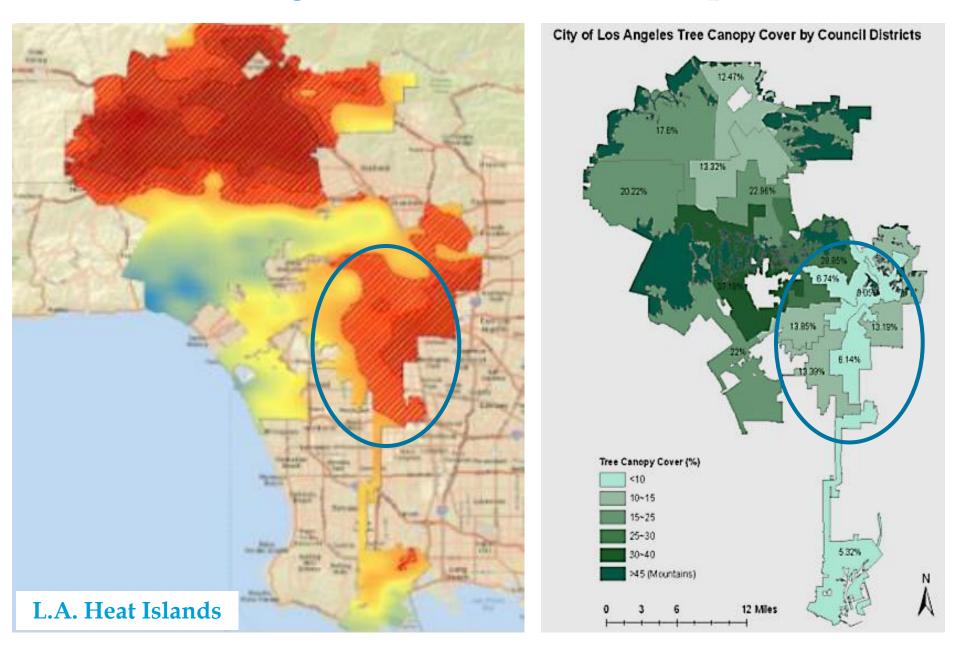




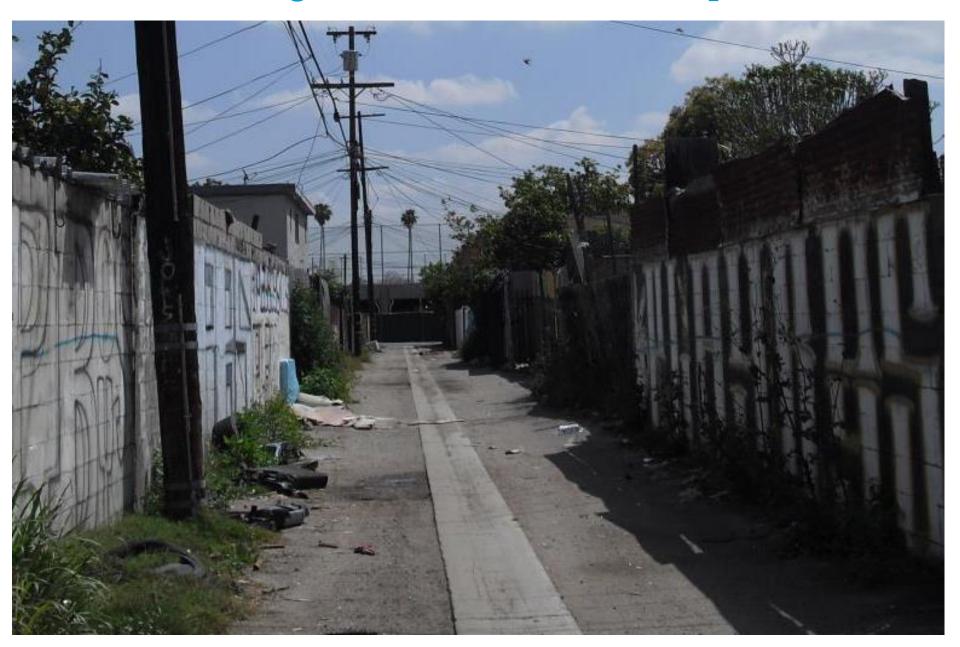




Science & Planning Link to Climate-Smart Implementation



Science & Planning Link to Climate-Smart Implementation



Science & Planning Link to Climate-Smart Implementation



Prepared for The Track for Public Loral by Thilip Greek, Revolution Midler, Hikhel Stadkarm, Maryhole Riley and Lilly Shoop TCF International

Quantifying the Greenhouse Gas Benefits of Urban Parks



THE TRUST & PUBLIC LAND

THE AVALON GREEN ALLEY NETWORK DEMONSTRATION PROJECT



Tributary Area 4.44 acres	Infiltration Rate	Volume of Storage Provided 5,560 cf
~85%	28%	expected to reduce up to 90%
impermeable surfaces and pavement in South LA	of South LA residents live below the poverty line	bacterial loads for 20,000 people per square mile

Climate-Smart Implementation = Evaluate & Replicate



Green School Yards

New York, New York



Before - M.S. 267

After - M.S. 267

A

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INGARD ANTANAN

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Thank You

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Architect's Newspaper