CLIMATE-SMART CITIES
Climate Solutions through Green Infrastructure

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Climate-Smart = Carbon Mitigation + Climate Adaptation
Adding Green Makes Cities Climate-Smart

- Connect
- Cool
- Absorb
- Protect
Multiple-Benefit Greening Is Smarter
Cool + Absorb + Protect Vulnerable Neighborhoods

Target Greening to Vulnerable Populations

NYC Green Playgrounds

Los Angeles Green Alleys
Protect Green Shorelines to Buffer Cities

Old Place Creek, Staten Island
North Shore Park, Staten Island
Where to site green defenses?  
How to design green defenses?  
How to enhance community preparedness?

Climate-Smart Questions
Climate-Smart City Partnership—Formally linking public, private, and academic leaders

Climate-Smart Cities Pilot Model—New York City

- Applied Research
- GIS Decision Support
- Demonstration
Climate-Smart Cities Pilot:
Green Chattanooga to **Cool, Absorb, and Protect**

**RESEARCH:** Identify Heat Islands & Reduction Strategies

**GIS:** Stack Heat and Water Priorities with Demographics

**DEMONSTRATION:** Spear Street “Complete” Greening
Web-based Decision Support Tools Are Mobile and Collaborative
Modeling Turns Data into Science-Based Priorities
Our GIS Tool Lets Users Ask Questions of the Data
Web-based Decision Support Tool = 1-Click Parcel Reports
Strong Science and Spatial Planning Supports Demonstration Projects
Looking for New Partners!

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