



U.S. Forest Service URBANRESEARCH *provides leading-edge science and decision tools to inform the stewardship of trees and forests, and improve the health and well-being of people wherever they live, work, and recreate. **Our research helps communities transition to a more sustainable future.** Key research areas include:*

● **FOREST INVENTORY AND MANAGEMENT**

- / Assessing the structure, condition, function, and extent of urban forests across the U.S.
- / Supporting forest management and planning with information on tree biology, physiology, health, and survival; pest vulnerability; soils; urban wildlife and biodiversity; biomass and wood production.

● **ECOSYSTEM SERVICES AND QUALITY OF LIFE**

- / Examining the role of urban forests in mitigating air pollution, managing stormwater, saving energy, storing carbon, improving property values, and providing other public benefits.

● **HUMAN HEALTH AND WELL-BEING**

- / Studying the human health benefits and costs of canopy cover and green infrastructure.
- / Describing peoples' perceptions and experiences with nature – active living, recreation, real estate, crime, food and foraging, stewardship, citizen science, and environmental justice.
- / Understanding how community greening can build resilience and capacity for disaster recovery.

● **FOREST FRAGMENTATION AND VULNERABILITY**

- / Quantifying and predicting patterns of demographic, land-use, climate, and canopy cover change within cities and across the urbanizing landscape, and implications for forest and fire management, public health and safety, and community sustainability.

● **FOREST-BASED ECONOMIES AND MARKETS**

- / Assessing markets and developing new technology and approaches to utilizing urban wood.
- / Sustainable recreation economies and opportunities linked to accessible public lands.

● **WATERSHEDS AND GREEN INFRASTRUCTURE**

- / Studying how people, vegetation, and built infrastructure impact aquatic life and hydrology.
- / Providing science to support community watershed restoration projects.
- / Informing the design of landscapes that reduce energy and water use, manage stormwater, improve air quality, increase biodiversity, and create opportunities for active living.

● **PLACE-BASED RESEARCH**

- / Working across disciplines and with partners to address local needs, pilot new approaches, and develop or adapt decision-support tools for broad application.



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