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Ten-Year Urban Forestry Action Plan: 2016-2026

- programs
- policy
- stakeholders

national outreach
expert informants
advisory committee
Plan Vision
Urban and Community Forests Increase Sustainability, Wellness, and Resilience in All Communities.

Plan Mission
Help All Communities Create Urban and Community Forests that are Diverse, Healthy, and Accessible for All Citizens.
1. Integrate U&CF into All Scales of Planning

2. Promote the Role of U&CF in Human Health & Wellness

3. Cultivate Diversity, Equity and Leadership within the UF Community

4. Strengthen U&CF Health & Biodiversity for Long-Term Resilience

5. Improve U&CF Management, Maintenance, & Stewardship

6. Diversify, Leverage & Increase Funding for U&CF

7. Increase Public Awareness & Environmental Education to Promote Stewardship
research needs supplement

value of research to U&CF growth
Research Needs Framework

A. Understand Ecosystem/Ecological Services
B. Promote Human and Community Health
C. Planting, Inventory, and Analysis for Forest and Environmental Health
D. Prepare for Pests, Threats, Climate and Associated Changes and Risks
E. Enable Civic Stewardship and Improved Local Governance
F. Integrate Knowledge Networks and Data for Urban Socio-Ecological Systems
A. Understand Ecosystem/Ecological Services
B. Promote Human & Community Health

U&CF as Health Social Determinant
Local Economics

Trees in cities are not grown and managed for products that can be bought and sold on markets, but they do provide many intangible services and functions! This article serves two purposes. First, it introduces valuation methods that are used to convert intangible benefits to dollar sums.\textsuperscript{1,2} Then, it shows how nonmarket valuations can support local decision-making.

Fast Facts

- The presence of larger trees in yards and as street trees can add from 3\% to 15\% to home values throughout neighborhoods.
- Averaging the market effect of street trees on all house values across Portland, Oregon yields a total value of $1.35$ billion, potentially increasing annual property tax revenues $15.3$ million.\textsuperscript{9}
- A study found 7\% higher rental rates for commercial offices having high quality landscapes.\textsuperscript{14}
- Shoppers claim that they will spend 9\% to 12\% more for goods and services in central business districts having high quality tree canopy.\textsuperscript{34}
- Shoppers indicate that they will travel greater distance and a longer time to visit a district having high quality trees, and spend more time there once they arrive.\textsuperscript{34}
Green Cities: Good Health
www.greenhealth.washington.edu

Sponsors:
USDA Forest Service,
(U&CF Program + Pacific NW Research)
University of Washington
NGO partners

Thanks!
to U of WA students:
Katrina Flora
Mary Ann Rozance
Sarah Krueger

Research Reviews & Summaries
Green Cities: Good Health
database of >4,000 peer reviewed publications
C. Planting, Inventory, & Analysis for Forest & Environmental Health
D. Prepare for Pests, Threats, Climate & Associated Risks

credit: Dan Herms, Ohio St U
E. Enable Civic Stewardship & Improved Local Governance
F. Integrate Knowledge Networks & Data for Urban Socio-Ecological Systems
Research Guiding Principles

Means to the End - Building Local Capacity
Build on Strengths and Explore New Needs
Replicate and Confirm
Expand Science from Local Needs to National Programs
Synthesize and Amplify Existing Knowledge

Expand Scale of Research & Data
Summary

- national U.S. outreach :: scientists, stakeholders, community-of-practice, NGOs, local government
- framework of practical needs & actionable science
- align programs, consistent messages
- resources and budget?
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Urban Forest Action Plan
https://urbanforestplan.org/engage/
Urban Forest Action Plan :: Research Needs
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