

APPENDIX 2

i-Tree Links

Table 11.—Organizations and programs that depend on, or are based on i-Tree and its various tools. The list is a sample of known organizations and does not represent a complete list.

Name of Organization or Program	i-Tree Dependency Description	Impacts
AgriMex	Completed various i-Tree Eco projects throughout Mexico and conducted Spanish language i-Tree trainings in Mexico	Engage new audiences in Mexico as well as other Spanish speaking people
Arbor Day Foundation	Extracted i-Tree Landscape data for marketing projects	Aid in tree planting
Arbor Day Foundation CSX transportation grants	i-Tree Design project summaries required for reporting of recipients of CSX grants through the Arbor Day Foundation	Capture ecosystem benefits generated by corporate grant program
Australia 202020 Vision Plan	The 202020 Vision supports i-Tree as a low-cost, easy to adopt measurement tool	Provide urban forest assessments and monitoring in Australia
Azavea	Incorporated i-Tree Streets benefit estimates into their Open Tree map tool	National and international reach of the popular platform
BCIT i-Tree curriculum	Urban Forest Assessment course provided training for the assessment of urban trees and forests and calculation of their ecological services. Students will be trained using a combination of online and face to face methods.	Job skills for arborists, students, and people interested in assessing forests
BGMap/BGBase software	i-Tree Eco recommended variables added to software for arboretum collection management and monitoring	Facilitates simple export and import of data to allow arboreta to quickly estimate the benefits that trees in their collections provide; national user base of top tier arboreta
Biocenosis LLC	i-Tree Hydro used to assess ecosystem services of trees and land use change impacts	Assessment of sites throughout North Carolina
California Urban Greening Grant Program	Relied on i-Tree for quantification of carbon offset and energy savings calculations	\$20 million in grants awarded for FY 2016/17; 107,000 tonnes of greenhouse gas (GHG) offsets
Casey Trees	Repeated i-Tree Eco projects in Washington, D.C., and maps including tree benefits for the National Mall	Leading nonprofit in urban forestry enhancing their public outreach with quantification of tree benefits

Appendix 2 in: Nowak, David J. 2020. **Understanding i-Tree: Summary of programs and methods.** General Technical Report NRS-200. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station. <https://doi.org/10.2737/NRS-GTR-200-Appendix2>

Name of Organization or Program	i-Tree Dependency Description	Impacts
Chapultepec interactive maps	Used i-Tree to create interactive maps of Chapultepec Park (in Mexico City) trees and ecosystem services	Tree benefits accessible to public at key park in Mexico City
Chiwara Permaculture education programs	Used i-Tree in K-12 environmental education programs, giving students a new perspective on the value of nature, teaching other STEM and art concepts along with i-Tree, and advocating for tree planting projects at the schools	Tree plantings at schools, generate stakeholder support
City of Charlotte, NC	Applied i-Tree Eco analysis to create an urban forest master plan	One of the first published applications of i-Tree Eco with population projections
City of Cleveland, OH	Applied i-Tree benefits analysis to create and support strategic tree management plan	Maximize strategic management through advanced application of i-Tree
City of Lancaster, PA	Used i-Tree Streets to create management plan	Increase investment in trees as green storm water infrastructure and emerald ash borer protection
City of Louisville, KY	Applied i-Tree to create an urban forest management plan	Includes citywide application of i-Tree Hydro
City of Pottsville, PA	Used i-Tree to track decline of ash population	Manage emerald ash borer
Climate Central - Independent organization of scientist and journalist	Used i-Tree County to produce tree related carbon and ecosystem service effects of counties provided to multiple media markets and weather station networks	Environmental education and improved stewardship
Cornell Cooperative Extension: Save-The-Rain	i-Tree Design-based tree tags communicated ecosystem services of individual trees in Syracuse, NY	Promotion of trees
Curio (Breadboard Labs)	Assessed benefits for individual trees mapped using the Curio program and links with SciStarter (citizens science website)	Promotion of environmental education and citizen science
EcoLogical, Consulting Australia	Used i-Tree Eco assessments as a value added product with their tree inventory work	Value added outputs for many of their projects
Energy Saving Trees	Relied on i-Tree model calculations for energy savings of trees planted around buildings	190,000 trees planted to date, 112,000 homeowners engaged, \$4.7 million leveraged by partners, 370,301,000 kWh saved
ENSPEC	Used i-Tree Eco assessments as a value added product with their tree inventory work	Value added outputs for many of their projects
EnviroAtlas	Integrated i-Tree suite into U.S. EPA's national map of ecosystem services	National outreach for i-Tree results broken down to the block group level in growing number of cities nationwide

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Fairfax, VA	Repeated countywide i-Tree Eco projects to inform strategic management	A leading county in the assessment and application of tree benefits information
General Santos City, Philippines	Used i-Tree for geocoding of tree locations as required by the municipal code	Connects tree management with i-Tree assessment
Holden Arboretum	Linked with i-Tree tools to allow arboretum supporters to see benefits of trees	Regionally recognized arboretum that uses the i-Tree suite for outreach
Iowa Department of Natural Resources	Trees for Kids grant recipients must develop i-Tree Design project and report for grant funded tree planting projects	Iowa statewide grant program
i-Tree Academy Program	Initiated pilot online training program for U.S. cities introducing multiple i-Tree tools and their uses	Introduce i-Tree assessments through monthly online program and learning management system
i-Tree Assessments in Dominican Republic by USFS IITF	Implemented i-Tree in Santo Domingo, DR, to assess the value of ecosystem-based adaptation strategies from urban green infrastructure.	Improved stewardship of urban forests in the Dominican Republic
i-Tree Lessons	Created 3rd to 8th grade curricula that relies on application of i-Tree Design and Canopy by students	Engage young students in understanding the benefits of trees in their community
Kansas Forest Service	Used i-Tree Landscape to help develop Kansas Forest Service Action Plan	Aiding state forest action plans
Keystone Conservation Trust	Relied on i-Tree in an effort to properly value natural resources	Multi-county “Return on Environment” studies including conveying benefits to Pennsylvania government policy makers and departments
Land Logics Group	Used i-Tree to provide a value of natural resources lost in a planned utility right of way	Connected with PA State Parks
Missouri Department of Conservation	i-Tree compatible inventories required for State grant program	Allows for impact assessment of statewide granting programming
Morton Arboretum	Used i-Tree Eco for regional assessment and planning of Chicago Regional Trees Assessment	Seven county regional planning impact
My City’s Trees	Included i-Tree outputs as part of web application serving up urban Forest Inventory and Analysis (FIA) data and results	Will ultimately share all urban FIA data, including environmental benefits of trees
Natural Resource Planning Services	Conducted i-Tree Canopy and Eco project for local communities; also conducted i-Tree trainings	Outreach throughout Florida

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New York City Department of Environmental Protection (DEP)	i-Tree Hydro being explored by NYC DEP Bureau of Engineering Design and Construction (BEDC) for use as part of their standard operating procedure for storm water mitigation. Also, NYC DEP attempting to setup a tutorial on modeling a project site using 100 year or 500 year “design storms” in i-Tree Hydro	Widespread use of i-Tree Hydro to simulate storm water metrics with construction projects throughout NYC watersheds.
New York City street tree map	Incorporated i-Tree Streets benefit estimates into their public facing tree map	State of the art, internationally recognized platform
Pennsylvania Department of Conservation and Natural Resources	Used i-Tree to track decline of ash population	Manage emerald ash borer
Pennsylvania Horticultural Society	Used information from i-Tree for various applications, including grant applications, grant reporting, and project monitoring	Regional reach in mid-Atlantic states
Pennsylvania Urban and Community Forestry, TreeVitalize program	Applied i-Tree to estimate impacts of TreeVitalize grant programs	Statewide requirement that all grantees enter tree data into public-facing tree map that estimates benefits based on i-Tree Streets
Plan-it Geo	Used i-Tree to assess ecosystem services and values	Improve understanding and management of urban forests
Porto, Portugal	Used i-Tree Hydro as part of planning urban river corridor rehabilitation for the degraded Tinto River	Integration of i-Tree Hydro modeling in municipal storm water assessment
Reading, PA	Applied i-Tree Streets to assess citywide street tree population	Informs city’s strategic tree management and emerald ash borer plans
Rochester Institute of Technology (RIT) and Rochester Museum and Science Center (RMSC)	Used i-Tree Hydro by RIT capstone group working to model green infrastructure demo sites and build the data into interactive displays at and for the RMSC.	Interactive displays about hydrological effects and ecosystem services of green infrastructure demonstration sites in Rochester, NY
SEED Consulting, Australia	Had multiple i-Tree projects throughout the country	Raise countrywide awareness of the benefits of trees
Tree Cities of the World - ArborDay Foundation and Food and Agriculture Organization (United Nations)	Used i-Tree Canopy as part of tree and forest assessment options for new program expanding Tree USA concept globally	Understand tree canopy cover for cities around the world; expand urban forest stewardship
Various University urban forestry classes	Incorporated i-Tree as an integral part of the urban forestry class in several universities	Enhance urban forestry education

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Tree Dimensions, Consulting Australia	Used i-Tree for various projects, including support for the City of Melbourne’s volunteer-led tree inventory	Value added outputs for many of their projects
Tuxtla Chiapas	Integrated i-Tree Canopy for neighborhoods in Tuxtla Guitierrez and Sabin River valley with story maps and charts for public engagement and showing relationship of trees and environmental impacts such as flooding	Environmental education through story maps; public engagement in urban forest stewardship
University of Kentucky	Created interactive campus tree map with i-Tree to collect data and estimate tree benefits	Engage students and university community in understanding benefits of trees
University of Pennsylvania	Applied i-Tree Eco to measure and report on all trees in core campus area	Support campus sustainability efforts, tree protections, and award winning graduate capstone project
USDA Forest Service International Program’s Urban Seminar	Introduced i-Tree to a global audience of natural resource professionals. Seminars resulted in further exploration, integration, and use by international users.	Improve urban forest stewardship globally
USDA Forest Service Rural Forest Inventory and Analysis (FIA)	Developing protocols to analyze rural FIA trees with i-Tree	Value and services added to rural and National forests
USDA Forest Service Urban FIA	Analyzed ecosystem services and values using i-Tree	Currently 35 cities are collecting data via the Urban FIA program
Worcester, MA, land cover change analysis	i-Tree Hydro used by Clark University team to model conditions before Asian longhorn beetle infestation, post-tree removal, and strategic replanting; funded by grant	Demonstrate effects of tree removal and strategic replanting over impervious surfaces