

i-Tree Website Resources

- www.itreetools.org
- Access to all tools
- Methodologies and How-To Resources
- See projects that use i-Tree and learn how to get help

The screenshot shows the i-Tree website homepage. The browser address bar displays itreetools.org. The navigation menu includes: ABOUT, ALL TOOLS, SUPPORT, NEWS, DOWNLOAD, and SHOP. Two red arrows point from the left side of the image to the 'ALL TOOLS' and 'SUPPORT' menu items. The main content area features a highlighted announcement for the 'i-Tree Open Academy Summer 2023' and information about 'i-Tree Office Hours'. A large banner image of a city with trees contains the text: 'i-Tree delivers current, peer-reviewed tree benefits estimation science from the USDA Forest Service to all types of users with free tools and support.' Below the banner, the i-Tree logo is shown. To the right, a section titled 'Tools for Assessing Individual Trees' (circled in red) lists three tools: MyTree (labeled 'easy'), i-Tree Design, and i-Tree Eco (labeled 'advanced').

www.itreetools.org

i-Tree ABOUT ALL TOOLS SUPPORT NEWS DOWNLOAD SHOP

i-Tree Open Academy Summer 2023 any time! Session 2 covering MyTree, i-Tree Design, and i-Tree Planting will be on August 9th at 1:00 pm US Eastern time.

Can't commit to the live sessions? You can always review recordings & resources on the Summer i-Tree Open Academy [webpage](#).

i-Tree Office Hours - a new way to answer your questions! Monthly, 1-hour virtual meetings every 4th Thursday at 3PM EDT. **Next office hours are August 24th!** Download & open [this file](#) to add these events to your calendar.

i-Tree delivers current, peer-reviewed tree benefits estimation science from the USDA Forest Service to all types of users with free tools and support.

Tools for Assessing Individual Trees

MyTree
Are you new to i-Tree? Start with our EASIEST tool! MyTree helps you quickly assess **individual trees** with a minimum of fuss. *web browser or Android | Apple devices; Learn [How to use it!](#)*

i-Tree Design
A full-featured web tool with expanded building interactions and forecasting for estimating the benefits of **individual trees**. *via your web browser; Learn [How to use it!](#)*

i-Tree Eco
Eco is our flagship tool that accommodates tree inventory IMPORT or field data evaluation to derive **individual tree** benefit estimates.

The trees around you:
remove hazardous pollutants from the air you breathe,
absorb carbon dioxide from the air to store as wood,
and control storm water by

Support

i-Tree helps people understand the benefits that trees provide and our support team is here to help you understand i-Tree. The i-Tree team offers free support in using the tools, understanding the science (and pointing the way to more in-depth articles), plus we provide periodic online training.

Overview the support we provide. For new users, here is a handy

Learn to use the i-Tree

- Video learning
- Manuals, Guides, and Workbooks
 - Project Planning and
- Teaching

i-Tree Academy and Learning

- i-Tree Open Academy Sessions
- i-Tree Open Academy Series watching and reviewing
- i-Tree for Funding Opportunities
- **Urban and Community Learning** 8th and 10th. All sessions
- About the Domestic i-Tree
 - Capstone Project Re

Understand the science

- Understanding i-Tree: Science, future goals, and opportunities leader with the USDA Forest Service (2021).
 - US Forest Service
- Additional Methods Documentation
- Software and Science cha

Support Overview

There are several options for seeking help with general or technical i-Tree questions including numerous resources available on the i-Tree website including:

- [i-Tree System Requirements for Installing i-Tree](#)
- [Video Learning](#)
- [i-Tree Manuals, Guides, and Workbooks](#)
- [International Use of i-Tree](#)

Individuals interested in using i-Tree applications for research projects should visit the [Methods Documentation](#), [Technical Papers](#), and [Model Notes](#) section of the website and refer to documents describing the methods of the individual tools.

Reporting Technical Problems

If you are having a problem with an i-Tree application, please provide the following information if possible when submitting your inquiry to our team for assistance:

- i-Tree application and version that you are working with such as i-Tree Eco v6.0.21.
- Computer and system information such as Windows 7 - 64 bit operating system
- A description of the problem encountered and relevant steps leading up to the issue
- Screen captures (Ctrl + Print screen) and error message details are helpful if available
- We may ask you to send us a copy of your project for additional testing if needed

International Technical Support

The expansion of i-Tree application use internationally has increased technical assistance requests from users abroad. Our ability to assist and resolve international technical support questions may be limited because of languages differences, system security differences preventing application function and challenges of adapting tools for international use or research purposes. As such, we may only be able to provide limited technical support and suggest additional resources.

Feedback Page

The i-Tree Feedback Page is a quick webform that can be used to provide feedback on specific applications, report bugs or share success stories about your projects.

User Forum

The i-Tree User Forum is a moderated discussion forum whose purpose is to allow users to seek advice, get technical questions answered, communicate experiences and view frequently asked questions (FAQs). You can view the [User Forum](#) topics without registering, but posting to the Forum requires registration, which is separate from website and bug tracker system registration.

New Forum registrations require administrator authentication before posting capabilities are enabled to limit spam and robot posts. If your Forum account is not activated, you can still access and read Forum content and submit i-Tree related questions by email at info@itreetools.org.

- [i-Tree Newsletters](#) - we don't send too many of these, so don't be shy about signing up! [Subscribe](#) | [Unsubscribe](#)

info@itreetools.org

Since 2006, i-Tree has been a cooperative, public/private partnership between the USDA Forest Service, Davey Tree Expert Company, The Arbor Day Foundation, Society of Municipal Arborists, International Society of Arboriculture, Casey Trees, and SUNY College of Environmental Science and Forestry.

i-Tree is a registered trademark.

Support

i-Tree helps people understand the benefits that trees provide and our support team provides free support in using the tools, understanding the science (and pointing the way to training).

Overview the support we provide.

For new users, here is a handy **Resource Guide**

Learn to use the i-Tree tools

- Video learning
- Manuals, Guides, and Workbooks
 - Project Planning and Management
- Teaching

i-Tree Academy and Learning opportunities

- i-Tree Open Academy Summer 2023 - **Sign-up now!** Live sessions start August 8th and 10th. All sessions 1:00 PM eastern time.
- i-Tree Open Academy Spring 2023 - *Live sessions are over but all recordings are available* watching and reviewing the materials you're interested or complete all six sessions.
- i-Tree for Funding Opportunities - May 2023 - **A two session workshop in Urban and Community Forestry.** Content relevant to other funding opportunities.
- About the Domestic i-Tree Academy (2020-2021)
 - Capstone Project Reports and Files

Understand the science of i-Tree

- Understanding i-Tree: Summary of Programs and Methods. (2021) A comprehensive report on future goals, and opportunities to facilitate new science and international leadership with the USDA Forest Service.
 - US Forest Service [webpage](#) with links to appendices including biomass change logs (2021).
- Additional Methods Documentation, Model Notes, and Technical Papers
- Software and Science change logs capturing recent updates to underlying models

info@itreetools.org

1 / 1



52%



i-Tree Tools Resource Guide

This guide is intended to help new and experienced users to find the tools, guides, and other resources on the i-Tree Website that you need to help make your project a success.



Find the tools

The core tools are all available directly on the homepage www.itreetools.org. This includes the tree assessment tools, [MyTree](#) and [i-Tree Design](#) as well as the canopy assessment tools [i-Tree Canopy](#) and [i-Tree Landscape](#). Beyond these web-based tools, you can also learn more about i-Tree Eco from the homepage or head directly to the [downloads](#) page to request your download link. For additional tools like [i-Tree Species](#) and [i-Tree Planting](#) visit the [All Tools](#) page.

Learn to use the tools (for most of the web-based tools go to Menu>Help to find the "How to use" guide)

[Video walkthroughs](#) – Start by checking our learning videos to see if we have any videos to help you get started or complete specific tasks. You can also head to our [YouTube channel](#) for even more videos, including recorded webinars and presentations.

[Manuals, Guides, and Workbooks](#) – This page includes manuals for individual tools along with guides and workbooks to help you complete specific tasks like post-stratifying your i-Tree Eco project or looking up synonym species in the i-Tree database. Similar documentation in other languages can be found [here](#).

[Teaching with the tools](#) – We have a collection of curricula and teaching resources created by the i-Tree team and others.

See how others have used the tools

[User's reports](#) – Reports shared with the i-Tree team from a variety of different applications of the i-Tree tools. Additional international reports in a variety of languages can be found [here](#).

[Project profiles](#) – For selected user's projects we have a deeper dive into how the project was used to change community perceptions and/or influence management strategies.

Understand the science of i-Tree

[Understanding i-Tree](#) – This document is the starting point for all explorations of the science underlying the i-Tree models and estimates. It provides summary descriptions of all model workings and links to peer reviewed publications for additional details.

[Methods documentation](#) – A collection of many of the publications, white papers, and data sources representing the science of i-Tree, broken down by tool and topic.

[Software](#) and [Science](#) change logs – The i-Tree tools are continually updated with the latest research. Sometimes, the software is updated before the documentation can be added to the website. Check out the software and science change logs for the latest changes.

For international i-Tree users

[International use](#) – Find information about the use of i-Tree outside the US. You can also find [reports](#) shared by international users and available [translated documentation](#) linked at the bottom of that page.

Get support

[Email us](#) – If you can't find the answers to your questions on the i-Tree website you can always reach our support team by emailing info@itreetools.org.

[Feedback form](#) – Use the feedback form if you have suggestions on how to improve the tools or if you would like to share your own project on the i-Tree website.

[User's Forum and FAQs](#) – If you have a question others could benefit from, or you think you may have stumbled across a common problem, feel free to post to or search the forum.

4/29/22

Foundation, Society
stry.

Support

i-Tree helps people understand the benefits that trees provide and our support team is here to help you understand i-Tree. The i-Tree team offers free support in using the tools, understanding the science (and pointing the way to more in-depth articles), plus we provide periodic online training.

Overview the support we provide.
For new users, here is a handy **Resource Guide**

Learn to use the i-Tree tools

- Video learning
- Manuals, Guides, and Workbooks
 - Project Planning and Management
- Teaching

i-Tree Academy and Learning opportunities

- i-Tree Open Academy Summer 2023 - **Sign-up now!** Live sessions are available for watching and reviewing the materials you're interested or curious about.
- i-Tree Open Academy Spring 2023 - *Live sessions are over but content is available for watching and reviewing the materials you're interested or curious about.*
- i-Tree for Funding Opportunities - May 2023 - **A two session Urban and Community Forestry.** Content relevant to other sessions on the 8th and 10th. All sessions 1:00 PM eastern time.
- About the Domestic i-Tree Academy (2020-2021)
 - Capstone Project Reports and Files

Understand the science of i-Tree

- **Understanding i-Tree** of Programs and Methods, future goals, and opportunities to facilitate new science and leadership with the USDA Forest Service.
 - US Forest Service webpage with links to appendices in the report (2021).
- Additional Methods Documentation, Model Notes, and Technical Reports
- Software and Science change logs capturing recent updates

info@itreetools.org

Understanding i-Tree

Table 2.—Summary of which directly field-measured characteristics are used to estimate derived variables and ecosystem services. D= directly used; I= indirectly used; C= conditionally used.

	DERIVED VARIABLES		ECOSYSTEM SERVICES											
DIRECT MEASURES														
Species														
Diameter at breast height (d.b.h.)														
Total height														
Crown base height														
Crown width														
Crown light exposure														
Percent crown missing														
Crown health (condition dieback)														
Field land use														
Distance to building														
Direction to building														
Percent tree cover														
Percent shrub cover														
Percent building cover														
Ground cover composition													I	D

METHODS, ADVANTAGES, AND LIMITATIONS

The premise behind i-Tree is shown in Figure 11. Structure is the basic information on the physical forest resource (e.g., number of trees, species composition, tree sizes and locations, leaf area, etc.). The attributes are directly measured by users or estimated (e.g., leaf area) by i-Tree based on direct measures of structure. From the structure data, along with local environmental data (e.g., weather data), various tree functions (e.g., gas exchange, tree growth) are estimated. These functions are then converted to various services (e.g., pollution removal) based on other local data (e.g., pollution concentrations). These services are then converted to benefits (e.g., cleaner air, impacts on human health) based on other data (e.g., local atmospheric conditions, human population data). Finally, the benefits are converted to values based on various economic procedures.

Forest management objectives often seek to improve environmental or human health, or the value of the forests. Forest managers do not directly manage functions or values, rather they manage forest structure (i.e., plant and remove trees, protect existing forests, and select species and locations) to optimize services and values. However, managers are not the only force influencing forest structure. The existing forest and the environment have a substantial influence on forest structure through natural regeneration, tree growth and mortality, storms, insects and diseases, invasive plants, and other factors. Included in this environmental influence are unintended consequences of human actions and development (e.g., introduction of exotic plants, insects and diseases, increased air temperatures and pollution, climate change, etc.). People and nature act to alter forest structure and consequently forest services and values.

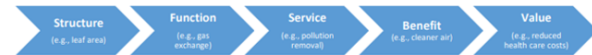


Figure 11.—Diagram showing basic i-Tree process.

Video Learning

Explore instructional videos to learn more about the i-Tree applications.

You can also learn about new i-Tree video learning opportunities by subscribing to the i-Tree Tools channel on YouTube!



[i-Tree Tools YouTube Page](#)



i-Tree Introduction Series Videos

This (4) part video series was developed to introduce i-Tree to Master Gardeners, volunteers or anyone interested in learning how to use i-Tree for community projects. *(Note these videos refer to older versions of i-Tree applications)*

1. i-Tree Suite & tree benefit introduction - 16 min. - This presentation introduces the i-Tree suite of tools and community tree benefit concepts.
2. i-Tree Design intro and walkthrough - 30 min. - This video demonstrates Design and provides examples of how Design can be used for various community projects.
3. i-Tree Canopy intro and walkthrough - 22 min. - This video explores i-Tree Canopy's capability to estimate canopy cover and associated tree benefits.

i-Tree Download and Basic Desktop Installation

1. Steps for downloading and installing i-Tree desktop software - 13 min **Updated Nov2020**. - This was developed for Eco v6 use and includes system requirements overview.
2. Registration, software download and desktop installation - 13 min. - This is an older screencast for workshop participants demonstrating registration, software download and installation steps.
3. Options for installing and running i-Tree on a Mac computer - 4 min. - This video discusses non-supported options such as using Bootcamp or Parallels to run the Windows-based i-Tree software on a Mac computer.

i-Tree Tool Videos

i-Tree Eco v6

Eco Basics, Project Creation and External Import Steps

1. Eco v6 highlights and overview - 5 min. - video highlights features and options in the i-Tree Eco v6 application.
2. Importing external inventory data into Eco v6 - 8 min. - Instructions for setting up an Eco v6 inventory project and importing in external data.
3. Eco v6 sample project creation - 8 min. - Creating a plot-based sample project using the i-Tree Eco v6 application.
4. Eco v6 complete inventory project creation - 11 min. - Creating a complete inventory project using the i-Tree Eco v6 application.
5. Converting Eco v5 to v6 project - 6 min. - How to update an existing Eco v5 legacy project to use in Eco v6.