

# i-Tree

Tools for Assessing and Managing Community Trees & Forests

[www.itreetools.org](http://www.itreetools.org)



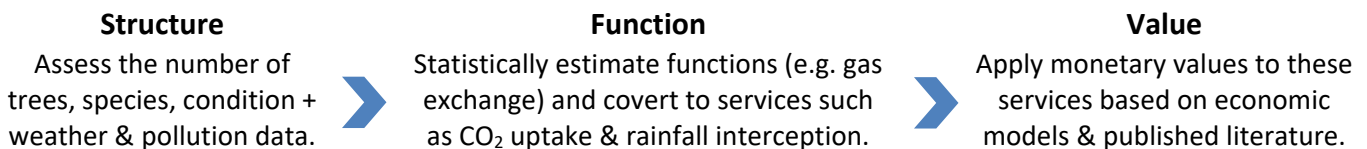
## What is i-Tree?

i-Tree is a suite of **free software tools for estimating and quantifying the benefits trees provide** to our communities. These benefits are typically expressed in dollars and amounts of carbon dioxide and air pollution removal (ozone, sulfur dioxide, etc.), as well as stormwater reduction. **Raising awareness** of these tree benefits increases the desire to nurture and protect trees.

## Who is using i-Tree?

- **Teachers, students, & homeowners** *learning* about trees beyond their aesthetic benefits.
- **Companies** *investing* in natural capital as part of their sustainability efforts.
- **Governments & organizations** *improving* their community forest management.
- **Consultants & Innovators** *developing* urban forest management plans, climate action plans, and interactive tree maps for their clients and the public.

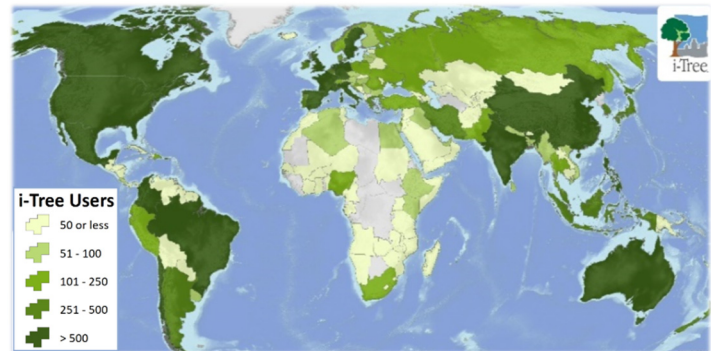
## How does i-Tree work?



## Where does i-Tree come from?

i-Tree was **established in 2006** and is now used around the world. Based on peer-reviewed, publicly accessible **USDA Forest Service** research, the mission of i-Tree is to disseminate this science to large numbers of diverse users in an easy to use format.

*i-Tree is a non-profit, cooperative effort among these partners:*



## How do I get i-Tree?

Learn about these free tools at [www.itreetools.org](http://www.itreetools.org). Links to them as well as references, project examples, and video learning segments are available. Want to ask a question? User support is provided: [info@itreetools.org](mailto:info@itreetools.org).



### Tree Benefits! Growing 20 years in Ohio, USA, one red maple can:

- **Remove** 3,000 pounds of **carbon dioxide** from the atmosphere.
- **Filter** 15 pounds of **pollution** from the air we breathe.
- **Save** 500 kWh of **electricity** and 20 million BTU of **fuel** used for cooling & heating.
- **Avoid** 5,000 pounds of **CO<sub>2</sub>** and 30 pounds of **pollution** in powerplant emissions.
- **Intercept** 25,000 gallons of **rainfall** and **avoid** 4,500 gallons of **runoff**.

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## MyTree

Explore the benefits of trees near you.

- Got 2 minutes?
- Go to [mytree.itreetools.org](http://mytree.itreetools.org) on your phone, tablet or laptop!

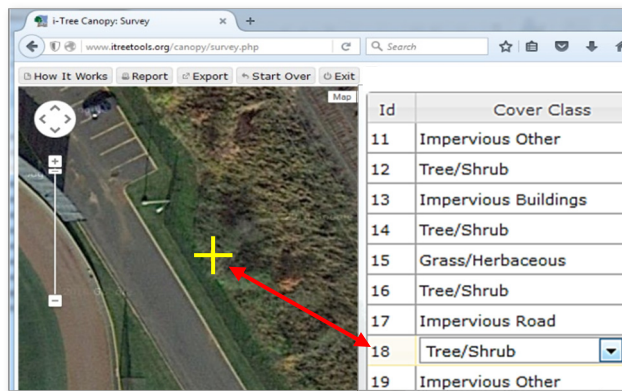
## i-Tree Canopy

Estimate tree & ground cover for a large project.

- A free web tool: [canopy.itreetools.org](http://canopy.itreetools.org)
- Simple, random sampling of a project area to estimate tree and ground cover.
- You also get total estimates of tree benefits: - CO<sub>2</sub> & air pollution removal - Stormwater reduction

### 4 easy steps & 30 minutes:

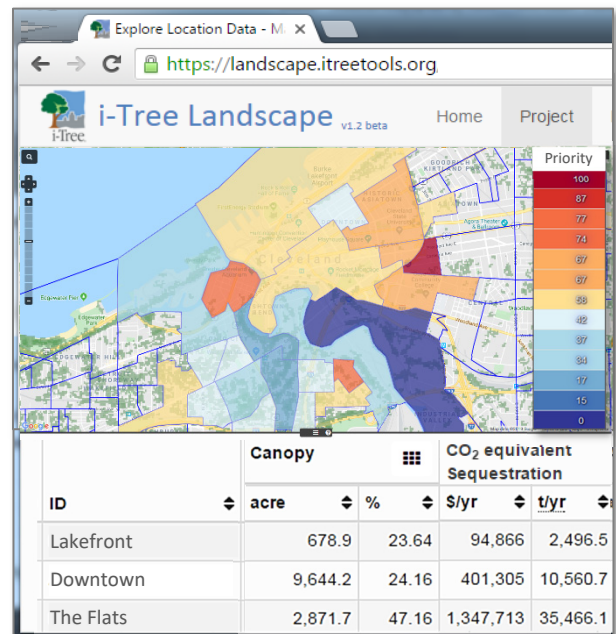
1. Draw project boundaries on a Google map.
2. Enter ground cover types to survey.
3. Select the ground cover you see on the map at random, auto-selected locations.
4. Click the Report button for results!



## i-Tree Landscape

Learn about your entire community.

- A free web tool: [landscape.itreetools.org](http://landscape.itreetools.org)
- US watersheds, cities, census areas & more
- Get estimates of tree benefits in 10 minutes:
  - CO<sub>2</sub> mitigation
  - air pollution removal
  - stormwater reduction
  - health benefits
- Generate planting prioritization scenarios.



## i-Tree Eco

For community forestry managers.

- A free tool for Windows PCs.
- Supports street tree inventory imports.
- Includes mobile phone/tablet field data collection tools for complete or sample inventories.
- The best i-Tree estimates for tree benefits with comprehensive reports.
- Download Eco at [www.itreetools.org](http://www.itreetools.org)