

# Tools to Quantify Environmental Benefits of Trees for Stormwater/Green Infrastructure Projects

Workshop #12 at WEFTEC 2015

*Featuring i-Tree Tools*



## WHAT

As part of the 88<sup>th</sup> annual Water Environment Federation Technical Exhibition and Conference: This workshop will demonstrate the use of several tools that calculate the environmental benefits of trees for use in stormwater design projects. Speakers will explain the science behind the tools, which tools are best suited for a particular function, and how to best use them. The tentative schedule is:

8:30 - 8:40	Welcome, intro, & overview	12 - 1:30	<i>Lunch</i>
8:40 - 8:50	Role of trees in stormwater mitigation & urban development	1:30 - 2:30	i-Tree Hydro
8:50 - 9	Tree physiology	2:30 - 3	MIDS calculator
9 - 10:00	i-Tree Eco	3 - 3:30	<i>Networking break</i>
10 - 10:30	<i>Networking break</i>	3:30 - 4:15	MIDS calculator
10:30 - 11	i-Tree Design	4:15 - 4:45	Using these tools in Stormwater Projects
11 - 11:15	i-Tree Species	4:45 - 5:00	Wrap up / Q&A / Adjourn
11:15 - 12	i-Tree Hydro		

**i-Tree Hydro** will be a highlight of this workshop. Attendees will receive an overview and hands-on experience with new features being developed for upcoming releases, such as: a simplified, intuitive user interface; the addition of green infrastructure parameters (tree pits, rain gardens, green roofs, rain barrels, and permeable pavement); simplified & enhanced hydrological parameters and auto-calibration; a Design Rain tool; a Curve Number tool; and more!

## WHY

After attending this workshop, participants will be able to:

- list the benefits and limitations of trees in stormwater designs;
- explain the basic needs of trees among gray infrastructure;
- use publically available software to estimate environmental benefits of trees;
- explain the science behind each of the i-Tree tools presented;
- identify which i-Tree tool is best suited for a particular stormwater application; and
- demonstrate how to use results and reports from these tools in their projects.



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## WHO

Presentations will be given by a diverse group of stormwater professionals and tree experts. The i-Tree Hydro session of the workshop will be presented by Hydro model developers and specialists, from SUNY College of Environmental Science, the Davey Tree Expert Company, & the USDA Forest Service.

This workshop is tailored for anyone who may be managing stormwater and/or advocating for trees on account of the ecosystem services and, specifically, hydrological benefits they provide. This includes city engineers; stormwater managers; landscape architects; urban and watershed foresters; and more.

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## WHEN & WHERE

Saturday, September 26, 2015, 8:30 am – 5:00 pm

Workshop #12, McCormick Place, in Chicago, Illinois  
*at WEFTEC, the water quality event where 10,000+ water resource professionals gather*

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## LOGISTICS

The fee to attend this workshop is \$199 for Members of WEFTEC and \$229 for Nonmembers.

Attendees are encouraged to bring their personal laptops to participate in hands-on exercises. Digital materials, including a beta version of i-Tree Hydro updates, will be provided for registered attendees prior to the workshop and during the workshop as needed.

For more information on WEFTEC, the technical exhibition and conference this workshop is a part of, please visit: [www.weftec.org](http://www.weftec.org)

For details on registration packages and pricing, please see: [www.weftec.org/packages/](http://www.weftec.org/packages/)

To register for WEFTEC, including Workshop 12, please go to: [www.weftec.org/howtoregister/](http://www.weftec.org/howtoregister/)

Please direct any questions or comments about this workshop to: [info@iTreeTools.org](mailto:info@iTreeTools.org)

**KestrelDesignGroup**

*We hope to see you there!*

