i-Tree Hydro: An Accessible Tool for Modeling Hydrological Benefits of Trees and Green Infrastructure

Workshop #24 at WEFTEC 2016

WHAT

As part of the 89th annual Water Environment Federation Technical Exhibition and Conference:

This workshop will explore the hydrologic effects of Green Stormwater Infrastructure (GSI) & urban land cover, and how we can use i-Tree Hydro, an accessible hydrology model with robust comparative assessment capabilities, to empower our work as water resource professionals. i-Tree Hydro model developers & specialists will present an overview of this tool and will guide participants through hands-on exercises in watershed and urban project areas. Attendees will have the opportunity to develop their own i-Tree Hydro project(s) during this workshop. The tentative schedule is:

8:30-8:45	Welcome, intro, & overview		12-1:30	*Lunch*
8:45-9:20	i-Tree Suite & i-Tree Hydro: Background Information & Example Uses		1:30-3	Hands-on walkthrough: Urban Project & Green Infrastructure
9:20-9:45	Model Methods, Inputs & Outputs		3-3:30	*Networking break*
9:45-10	Step-by-Step Walkthrough of Project Inputs		3:30-3:45	Features in Development
10-10:30	*Networking break*		3:45-4:30	Hands-on: Open Project Modeling
10:30-11:30	Hands-on walkthrough: Watershed Project & Calibration		4:30-4:45	Discussion on Using Model Results
11:30-11:50	Water Quality Modeling R&D: Overview of Current & Future Methods		4:45-4:50	Intro to i-Tree Support: Contacting Us; Feedback & Feature Requests
11:50-12	Discussion of content thus far; Introduction of afternoon activities		4:50-5	Final Q&A as time permits; Adjourn

WHY

After attending this workshop, participants will be able to:

- list the benefits and limitations of trees in stormwater designs;
- use publically available software to estimate environmental benefits of trees & GSI;
- explain the basic science behind i-Tree Hydro and its new features;
- apply i-Tree Hydro in a diversity of project areas and scenarios; and
- demonstrate how to use results and reports from these tools in their projects.

WHO

Workshop speakers include i-Tree model developers & specialists from SUNY College of Environmental Science, Mianus River Gorge Preserve, Davey Tree Expert Company, and USDA Forest Service.

This workshop is tailored for anyone managing land cover and stormwater, who can benefit from a case making tool offering rapid comparative assessments. This includes municipal engineers; stormwater managers; landscape architects; urban and watershed foresters; and more.

WHEN & WHERE

Sunday, September 25, 2016, 8:30 am – 5:00 pm

Workshop #24, Morial Convention Center in New Orleans, Louisiana
at WEFTEC, the water quality event where 10,000+ water resource professionals gather

LOGISTICS

The fee to attend this workshop is $229 for Members of WEFTEC and $259 for Nonmembers.

Urban Forestry South is sponsoring registration to this workshop for a limited number of stormwater engineers and planners, hydrologists, and urban foresters that have significant outreach to GSI professionals. Because this sponsorship does not include any travel reimbursement, it is primarily intended for professionals who are already planning on attending WEFTEC and are available for this workshop on Sunday, or to any qualifying professionals that are within easy driving distance.
To inquire about sponsorship, please contact Dudley Hartel at dhartel@fs.fed.us or (706) 410-5568.

Attendees are encouraged to bring their personal laptops to participate in hands-on exercises. Digital materials will be provided for registered attendees prior to the workshop and during the workshop as needed, including sample projects and an exclusive, early-release of i-Tree Hydro version 6.

For more information on WEFTEC, the technical exhibition & conference this workshop is a part of, please visit www.weftec.org
For details on registration packages and pricing, please see www.weftec.org/packages/
To register for WEFTEC, including Workshop 24, please go to www.weftec.org/howtoregister/

For general questions or comments about this workshop, please write to info@iTreeTools.org

We hope to see you there!