WEAP TRAINING COURSE – SYLLABUS

DESCRIPTION

The WEAP Training course provides an introduction to the fundamental and intermediate features of WEAP. WEAP ("Water Evaluation and Adaptation Planning") is a user-friendly modeling software platform developed by the Stockholm Environment Institute that takes an integrated approach to water resources planning.

The course supports the development of skills to use WEAP to support integrated water resources management in an interactive, online environment. While basic computer proficiency is expected, no prior experience using WEAP or other water modeling software is required. The course consists of 3 training days of 3 hours each, for a total of 9 hours. A certificate of course completion is provided upon successful completion of the course.

LEARNING OBJECTIVES

At the end of this course, you will be able to:

- Describe the role of WEAP in supporting integrated water resources management and the steps required to build a WEAP model
- Build your own basic WEAP model from scratch, using the automatic catchment delineation tool
- Model basic urban and agriculture demands
- Create and run alternative scenarios
- Model basic groundwater, reservoirs, and flow requirements
- Navigate and export WEAP results and create customized results dashboards and maps

PARTICIPATION REQUIREMENTS

1. Submit course payment prior to the orientation session
   - o Upon registering, you will be sent a link from the GoToTraining system to submit a payment via PayPal. If you need alternate payment accommodation via direct wire transfer, please notify us.
   - o If course payment is not received by the due date, then your registration will be cancelled to make room for any participants on the waitlist.
   - o Full refunds are available for cancellations prior to the start of training.

2. Register as a user of WEAP and login as a WEAP user: go to www.weap21.org and select "join". Fill out the form. A registration code will be sent immediately to your email. Use your email and the registration code to login.

3. Download and install WEAP: go to www.weap21.org and select "getting started"/"download"
   - o Note that a WEAP license is not needed to participate in the course.
   - o Mac users will need to run WEAP through a Windows virtual machine.

4. Download and install GoToTraining: https://support.goto.com/training/help/how-do-i-download-gototraining

5. Secure two computer monitors.
   o Access to two monitors is strongly recommended so that you can watch the presentation on one screen and build WEAP on the second screen simultaneously.
   o Alternatively, you can run WEAP on one computer and run GoToTraining on a second computer.
   o Alternatively, or in parallel, download and print the "abbreviated instructions" available in the "materials" section of GoToTraining, once your payment has been processed.

6. Secure headphones or earbuds for audio.

COURSE OUTLINE

The course will follow the first several chapters of the tutorial listed below. Note that the exact timing and content may depend on the interest of the participants. The course includes opportunities for questions and discussion to enrich the learning each day.

Pre-training meeting (1/2 hour).

This mandatory 30 minute meeting is intended to ensure that all participants can participate actively in the training and optimize their learning experience. In this meeting we will clarify expectations and any doubts about the training and ensure that all participants have downloaded WEAP and necessary course materials, have access to GoToTraining, can share their screens, and are prepared for the training.

Day #1: Introduction to WEAP and model setup.

Describe the role of WEAP in supporting integrated water resources management and the steps required to build a WEAP model

Build your own basic WEAP model from scratch using automatic catchment delineation

Day #2: Learn the intermediate supply, demand and data entry features of WEAP.

Model basic urban and agriculture demands

Create and run alternative scenarios

Day #3: Learn more about hydrology calculations and look towards more advanced features.

Model basic groundwater, reservoirs, and flow requirements

Navigate and export WEAP results and create customized results dashboards and maps

CONTACT INFORMATION

For any questions or comments, please contact us at: weaptraining@sei.org