

Water Quality Modeling Basics and Beyond

About the Water Quality Modeling Basics and Beyond Webinar Series

EPA's Water Modeling Workgroup is hosting a series of webinars to help water quality professionals better understand surface water quality modeling and how models can be used to solve common problems that face water quality regulators. The webinars are focused on modeling as it applies to the Total Maximum Daily Load (TMDL), Standards, and Water Quality Permitting Programs, but they are applicable to a wide range of audiences. These two hour webinars cover everything from modeling basics (e.g., model setup and calibration) to applied water quality modeling of different pollutants. Webinars are recorded and archived on EPA's website at <https://www.epa.gov/waterdata/surface-water-quality-modeling-training>.

Introduction to EPA's Watershed Management Optimization Support Tool (WMOST) v3

Version 3 of EPA's Watershed Management Optimization Support Tool (WMOST) will be released in early 2018 (<https://www.epa.gov/exposure-assessment-models/wmost>). WMOST is designed to facilitate integrated water management among communities, utilities, watershed organizations, consultants, and others. WMOST identifies the most cost-effective suite of management practices to meet user-designated water quantity and/or water quality goals at the HUC12 – HUC10 watershed scale, looking across potential solutions in drinking water, wastewater, stormwater (gray and green infrastructure), and land conservation programs. Additional tools are being developed to apply WMOST as part of a robust decision-making process, including a complementary version of WMOST that uses a multi-objective evolutionary algorithm to generate numerous management solutions simultaneously. The webinar will provide background, demonstrations, and case studies.

Speakers: Naomi Detenbeck and Amy Piscopo (U.S. Environmental Protection Agency)

Thursday, March 8, 2018

Eastern: 1 pm – 3 pm | Central: 12 am – 2 pm | Mountain: 11 am – 1 pm | Pacific: 10 am – 12 pm

Sponsored By: EPA Water Modeling Workgroup

Target Audience

The target audience is Clean Water Act (CWA) water quality regulators in programs such as TMDLs, monitoring, wetlands, standards, nonpoint sources, permitting, and assessment. The Webinar content assumes that audience members have an understanding of basic hydrology and water quality principles. The Webinars are open to everyone and will be relevant to anyone conducting water quality investigations.

Registration: You must register in advance to participate in this free Webinar. Please register at: <https://www.eventbrite.com/e/intro-to-epas-watershed-management-optimization-support-tool-wmost-v3-tickets-42984458673>. For more information contact Jason Gildea (Gildea.Jason@epa.gov). Please be sure to [view system requirements](#) prior to the webinar.

The materials in this Webinar have been reviewed by EPA staff for technical accuracy. However, the views of the speakers and the speaker's organization are their own and do not necessarily reflect those of EPA. Mention of any commercial enterprise, product, or publication does not mean that EPA endorses them.