

# Water Quality Modeling Basics and Beyond

## About the Water Quality Modeling Basics and Beyond Webinar Series

EPA's Water Quality 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>.

## EPA's Hydrologic Micro Services (HMS) Web Services Platform

This webinar will introduce the EPA's Hydrologic Micro Services (HMS) platform which is used to characterize watersheds and develop modeling workflows to answer water quantity and quality questions. Questions involving water quantity (e.g., droughts, floods, drinking water resource, irrigation) and water quality (e.g., nutrients, toxics, sediments) require a range of different input data and models. However, gathering the information and tools needed to address these questions is often challenging and cumbersome. To address this, ORD's National Exposure Research Laboratory has developed a website with online data provisioning and modeling tools called: Hydrologic Micro Services (HMS).

**Speakers:** John Johnston, Chris Knightes, Rajbir Parmar (EPA ORD)

**October 10, 2018**

Eastern: 1–3 pm | Central: 12–2 pm | Mountain: 11–1 pm | Pacific: 10 am–12 pm | Alaska: 9 am–11 am

**Sponsored By: EPA Water Quality Modeling Workgroup**

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### 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 Webcast. Please register at: [https://epawebconferencing.acms.com/hydro\\_micro\\_services/event/registration.html](https://epawebconferencing.acms.com/hydro_micro_services/event/registration.html). For more information contact John Johnston ([johnston.johnm@epa.gov](mailto:johnston.johnm@epa.gov)). Please be sure to [view system requirements](#) prior to the webcast.

The materials in this Webcast 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.