

# 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>.

## Introduction to SWAT+

This webinar will introduce SWAT+, a watershed model that has been applied to a wide range of hydrology, water quality, land use, land management, and climate change problems. SWAT was developed jointly by USDA-ARS and Texas A&M and has contributed to more than 4,000 peer-reviewed publications. SWAT+ is the next generation of the SWAT model. The updated model provides a more accurate representation of the watershed impacts of systems including irrigation canals, drainage ditches and urban drainage networks. SWAT+ allows users to realistically represent watershed processes using a set of decision tables to manage landscapes.

**Speaker:** *Dr. Raghavan Srinivasan, Texas A&M University*

**September 24, 2019**

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**

---

## 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://attendee.gotowebinar.com/register/5893696086998112268>

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.