

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 APEX

This webinar will introduce the Agricultural Policy/Environmental eXtender (APEX) model. APEX is a public domain model developed by Texas A&M AgriLife Research, part of the Texas A&M University System. APEX was developed for use in whole farm/watershed management. The model offers advantages for simulating various land management strategies considering sustainability, erosion (wind, sheet, and channel), economics, water supply and quality, animal grazing, soil quality, plant competition, weather and pests. This webinar will provide an overview of APEX capabilities and processes and will present selected application case studies.

Speaker: *Dr. Jaehak Jeong, Texas A&M University*

February 19, 2020

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/8630502577553726477>.

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