

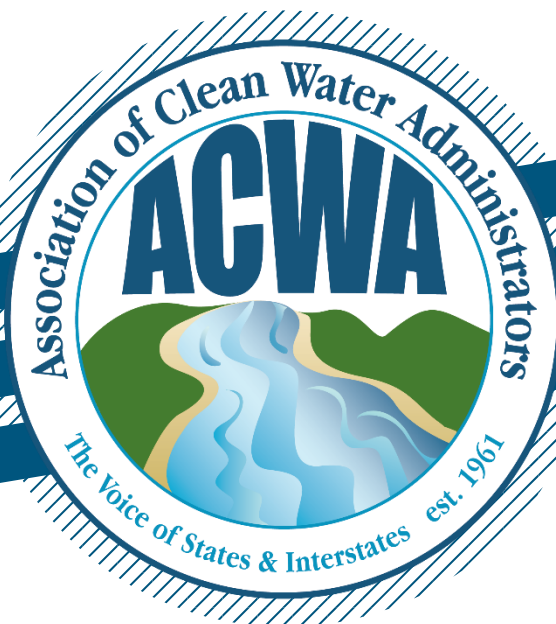
Association of Clean Water Administrators

2026 Modeling Workshop

September 29 – October 1, 2026

Track 2 – Modelers Forum

- **Goal:** Provide general training on setting up and running water quality models.
- **Trainers:** State and EPA staff



This Water Quality Modeling Workshop is a national meeting organized by ACWA, in partnership with USEPA for state program managers and staff involved in water quality modeling, as well as for both Regional and Headquarters-based U.S. Environmental Protection Agency managers and staff.

TUESDAY, SEPTEMBER 29

8:30 – 9:00 AM ET

REGISTRATION OPEN

9:00 – 10:15 AM ET

INTRO AND OPENING DISCUSSION – MODELING CHALLENGES

10:15 – 10:30 AM ET

BREAK

10:30 – 12:00 PM ET

MODEL SELECTION + DISCUSSION

Discussion Topics:

- What models are up to date?
- Which model best answers the question?
- Data requirements for models
- Pro/Con for different models
- How did you choose a model

12:00 – 1:30 PM ET

LUNCH BREAK (On Your Own)

1:30 – 3:30 PM ET

MODEL DEMOS

Hydrologic Micro Services (HMS) – Kar'retta Davis

EPA Pollutant Load Estimation Tool (PLET) – Adrienne Coakley

Discussion Topics:

- Data requirements for models
- Pro/Con for different models
- How did you choose a model

3:30 – 3:45 PM ET

BREAK

3:45 – 5:00 PM ET

MODEL DEMOS PART 2 – MODEL SETUP/TOOLS

EPA Dynamically Downscaled Ensemble (EDDE) – Megan Mallard

6:00 – 8:00 PM ET

Informal Networking Event - Wild Leap Atlanta

125 Ted Turner Dr SW, Atlanta, GA 30313

WEDNESDAY, SEPTEMBER 30

9:00 – 10:00 AM ET

MODEL DATA

Weather Data Processor – Paul Hummel

10:00 – 10:45 AM ET

NUTRIENTS & HAB MODELING CASE STUDIES & DISCUSSION

10:45 – 11:00 AM ET

BREAK

11:00 – 12:00 PM ET

COUPLING MODELS

Statewide HSPF – WASP Model – Kelly Streich, CT DEEP

Coupling HSPF – EFDC – WASP – Nicholas von Stackelberg, UT DEQ

12:00 – 1:30 PM ET

LUNCH BREAK (On Your Own)

1:30 – 3:00 PM ET

STATE CASE STUDIES & DISCUSSION – CONTRACTORS AND STAKEHOLDERS
How to Hire and Work with Contractors – Kelly Streich, CT DEEP

3:00 – 3:30 PM ET

STATE CASE STUDY – AI & WATER QUALITY MODELING

**Practical AI in Water Resources: Code Automation, Satellite Remote Sensing,
and Predictive Modeling - Eric Hettler and Aaron Fisch, Wisconsin DNR**

3:30—3:45 PM ET

BREAK

3:45 – 5:00 PM ET

GROUP DISCUSSION – AI & WATER QUALITY MODELING

THURSDAY, OCTOBER 1

8:45 – 10:15 AM ET

HAWQS OVERVIEW & DEMO

10:15 – 10:30 AM ET

BREAK

10:30 – 12:00 PM ET

WORKSHOP WRAP-UP