

## EPA Tools & Resources Webinar

# Advances in Environmental Monitoring – Water Sensors

Wednesday, March 16, 2022 at 3:00 to 4:00 PM ET

*Certificates  
of attendance are  
offered!*

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Sensors are playing an increasingly important role in the monitoring of water quality. EPA's Office of Research and Development has several efforts aimed at the development and use of sensors—an easily accessible summary of many of these efforts can be found on ORD's [Water Sensors Toolbox webpage](#). While many of these efforts are research focused, some of these projects are directly relevant to states. One such effort is the [Cyanobacteria Assessment Network \(CyAN\) application](#), which provides satellite data to monitor and quantify cyanobacterial biomass for over 2,000 of the largest lakes and reservoirs across the United States. CyAN provides satellite data at daily and weekly time steps. CyAN also provides true-color images, like what you would see from a camera. Using satellite remote sensing for monitoring cyanobacteria is now recommended in the [World Health Organization second edition of Toxic Cyanobacteria in Water guide](#) and in the [Interstate Technology and Regulatory Council guidance for monitoring cyanobacteria](#). A second significant effort is the development of case studies to evaluate the potential for using sensors to monitor source water quality with regard to nutrients, algae, and disinfectant byproducts and provide data to water utilities for help with decision making. Preliminary results from ongoing studies in North Carolina and Ohio will be described.



**Who should attend?** States, tribes, local governments, non-profits, academic institutions, and other organizations interested in learning more about advances in water sensors for environmental monitoring.

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**For registration questions:**

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