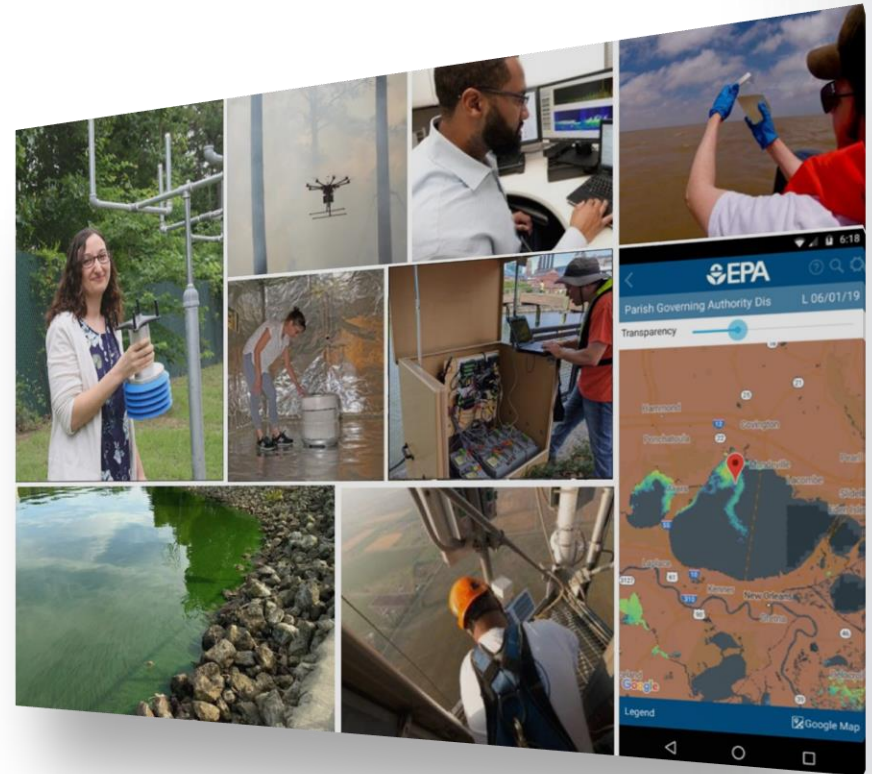




ORD Advances in Air & Water Monitoring

EPA ORD's mission is to provide the best available environmental S&T to inform and support human health and environmental decision making at the federal, state, tribal and local level addressing critical environmental challenges and anticipating future needs through leading edge research.





Air Sensor & Monitoring Research



Fence-line monitoring devices (SPods)



Air sensor loan program through the EPA Regions



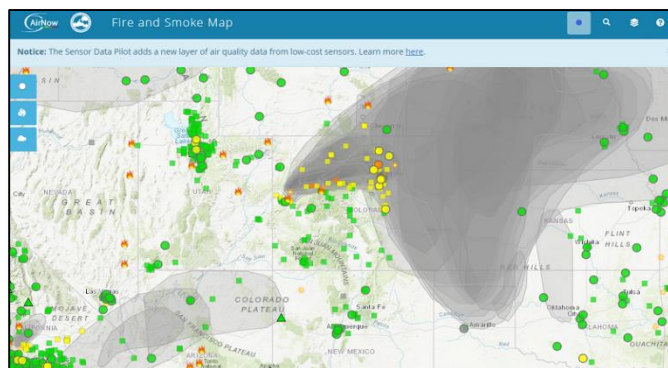
Air Sensor Performance Evaluation Reports for PM_{2.5} & Ozone



Odor Explore App



Smoke Sense Study: Citizen Science Project Using a Mobile App



AirNow Fire and Smoke Map
EPA developed correction equation for PM_{2.5} Air Sensors



Air Sensor Toolbox



Water Sensor & Monitoring Research



Nutrient Sensor
Action Challenge



Village Blue's new sensor deployment site in
New Orleans on Lake Pontchartrain

Photo: Lake Pontchartrain Basin Foundation



Rapid qPCR methods for *E. coli* at Lake Michigan beaches
used to set water quality standards for recreational use



Cyanobacteria Assessment
Network (CyAN) App



Air & Water Sensor Resources

- **Air Sensor Toolbox:**
www.epa.gov/air-sensor-toolbox
- **Air Sensor Loan Programs:**
www.epa.gov/air-sensor-toolbox/air-sensor-loan-programs
- **Educational Resources Related to Air Sensor Technology:**
www.epa.gov/air-sensor-toolbox/educational-resources-related-air-sensor-technology
- **Air Sensor Performance Targets & Testing Protocols for PM_{2.5} & Ozone:**
www.epa.gov/air-sensor-toolbox/air-sensor-performance-targets-and-testing-protocols
- **EPA's U.S.-Wide Correction Equation to Improve Accuracy of PM_{2.5} Air Sensors:**
www.epa.gov/air-sensor-toolbox/technical-approaches-sensor-data-airnow-fire-and-smoke-map
- **Smoke Sense Study – A Citizen Science Project Using a Mobile App:**
www.epa.gov/air-research/smoke-sense-study-citizen-science-project-using-mobile-app
- **Village Blue:**
www.epa.gov/water-research/village-blue
- **Cyanobacteria Assessment Network (CyAN):**
www.epa.gov/water-research/cyanobacteria-assessment-network-cyan