

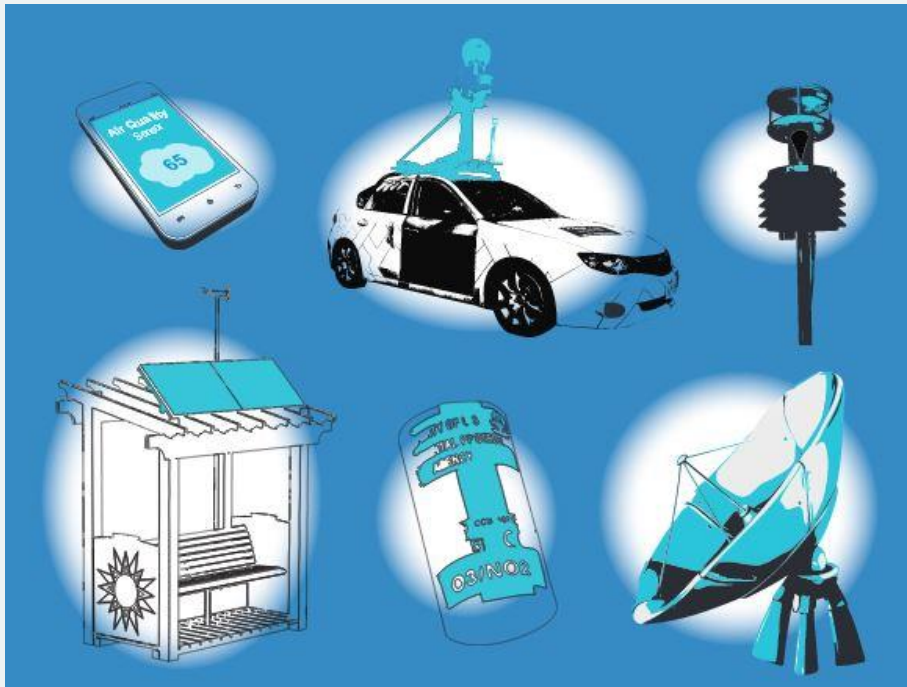


Air, Climate, and Energy Research News

October 2015

Innovations in Air Quality Monitoring

Protecting the Air We Breathe with Technology



These are exciting times in the field of air quality measurement and monitoring. New technological advances are transforming and revolutionizing how we understand and protect air quality. The U.S. Environmental Protection Agency (EPA) is actively leading research to further develop, evaluate, and implement the use of a wide array of new air quality approaches and technologies.

Advancements by EPA scientists and engineers are changing the way we measure and monitor air quality to protect a precious resource – clean air. They are putting low-cost, portable air sensors into the hands of citizens to investigate air quality in their neighborhoods and communities; providing fence-line monitoring and other new and improved ways to monitor nearby sources of air pollutants, including roadways, rail yards, ports, and industry; and providing new monitoring tools to assist air quality managers with implementing the nation's air quality standards.

In this special issue of Science Matters newsletter, we showcase just a few of EPA's research projects to advance the next generation of air measurement and monitoring.

Read the following articles to learn more about this exciting research.

- [Fenceline Monitoring: Finding Air Pollution Leaks with Smaller, Faster, Cheaper Measurement Technologies](#)
- [RETIGO: Complex Air Measurement Data Made Understandable](#)
- [Aclima Collaboration: Private, Government Collaboration Advances Air Sensor Technology](#)
- [DISCOVER-AQ: Tracking Pollution from the Skies \(and Space\)](#)
- [Monitoring Air Quality On The Go](#)
- [Village Green Project: Pollution-sensing Benches Measure Air Quality](#)
- [Air Sensors and Wildfires: New Sensors Rise Skyward to Check Wildfire Smoke](#)
- [Citizen Science in Newark, New Jersey](#)

For even more information, visit:

[EPA's Next Generation Air Measuring Research](#)

Key Links

- [EPA's Air Research](#)
- [EPA's Climate Change Research](#)

- [Air-related blogs](#)
- [Climate-related blogs](#)