



NASA Air Quality Applied Sciences Team
Earth Science Serving Air Quality Management Needs



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AQAST Members Collaborate with Regional Air Quality Organizations

St. Louis event will highlight emissions monitoring, data analyses, and modeling techniques

MADISON – Members of NASA's Air Quality Applied Sciences Team (AQAST) will meet with air quality managers from Midwestern and Central states next week in St. Louis, Missouri, to share research on a variety of research projects and air quality issues.

The 2014 Midwest and Central States Air Quality Workshop, hosted by the Lake Michigan Air Director's Consortium (LADCO) and the Central States Air Resources Agencies (CenSARA), will be held from April 22-24. AQAST member and University of Colorado professor Daven Henze will give a talk on modeling and observational constraints for ammonia and nitrogen deposition during the workshop's first panel discussion on April 22nd.

Brad Pierce, an AQAST member and NOAA research based at the University of Wisconsin-Madison, will also give a presentation on the first day of the conference. Pierce will discuss the use of satellites to measure emissions from the oil and gas extraction. Representatives from the US Environmental Protection Agency (EPA) and the Environmental Defense Fund will cover other topics related to the oil and gas industry.

Day two will feature a presentation by Argonne National Laboratory senior research David Streets on the relationship between satellite measurements of NO₂ concentrations and NO_x emissions. AQAST Deputy Director Tracey Holloway will also present methods for quantifying contributions to ozone and particulate matter episodes in the eastern US.

The meeting will conclude with presentations by EPA on the implementation of 1-hour SO₂ standards, and highlights of technical work done by LADCO and CenSARA member states.

The workshop agenda can be accessed [here](#) and more information about the event can be found at this [website](#). Questions can be directed to [Rob Kaleel](#) of LADCO, or [Theresa Pella](#) of CenSARA.

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NASA Air Quality Applied Sciences Team, a nationwide collaborative research team, serves the needs of air quality managers in the United States by analyzing a variety of NASA satellite data, models and suborbital platforms on the ground. Created in 2011 by NASA's Applied Sciences Program, AQAST is made up of 19 of the top minds in all fields of air quality science and strives to inform air quality managers and provide high-quality resources for the press and public. Contact Dr. Tracey Holloway in her office at (617)-495-1794 or go to www.aqast.org or www.aqast-media.org.