AQAST Investigator Project, 2013-2014

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**AQ management partners:** Jennifer Hains and other employees of the Maryland Department of the Environment  
**Project duration:** June 1, 2013–May 31, 2014

**Title:** Develop an Air Quality User’s Guide: Satellite Data for Air Quality Monitoring: *Examples of Applications, Answers to FAQs, and Common Mistakes to Avoid*

**Problem to be solved:**  
A persistent complaint of users of NASA data products for AQ applications is that the data are difficult to use and comprehend.

**Project description:**  
We propose to develop a "How to" manual for using satellite data for air quality applications. We will 1) discuss current successful uses of the data, 2) inform end-users of the accessibility of the data and the resources for processing and visualizing the data, and 3) provide clear answers in plain English to frequently-asked questions (FAQs), such as those associated with precision and averaging kernels/scattering weights.

**Deliverables:**

- A journal publication called “Satellite Data for Air Quality Monitoring: *Examples of Applications, Answers to FAQs, and Common Mistakes to Avoid*”.
- Augmented ARSET website with similar, but more detailed, information as provided in the journal publication.

**Expected AQ management outcomes:**

- Facilitate the use of satellite data by the AQ community by demystifying the data and showing the utility of the data for AQ applications.