



Satellite and Above-Boundary Layer Observations for Air Quality Management Workshop

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**Center Green Bldg. 1
UCAR's Campus
Boulder, CO
9-10 May 2011**

EPA Working Group on

Satellite Observations for Air Quality Management

Objectives:

- To improve communication across the different EPA groups interested in satellite observations related to air quality management
- To better articulate EPA's interests and commitment to using satellite observations
- To provide a focal point for communication with NASA and NOAA, with a focus on Geostationary Coastal and Air Pollution Events (GEO-CAPE) and other satellite missions within the NRC Decadal Survey

EPA-GEO Committee (original convener)

Terry Keating (OAR/OPAR), Venkatesh Rao and Rich Scheffe (OAR/OAQPS)

Bryan Bloomer (NCER), Rob Pinder (NERL/ASMD), George Pouliot (NERL/ASMD), Jim Szykman (NERL/ESD), Tim Watkins (ACE-NERL/HEASD), Darrell Winner (NCER)

Vance Fong (Region 9), Scott Jackson (Region 8), Mark Sather (Region 6)



Office of Air and Radiation



Office of Research and Development

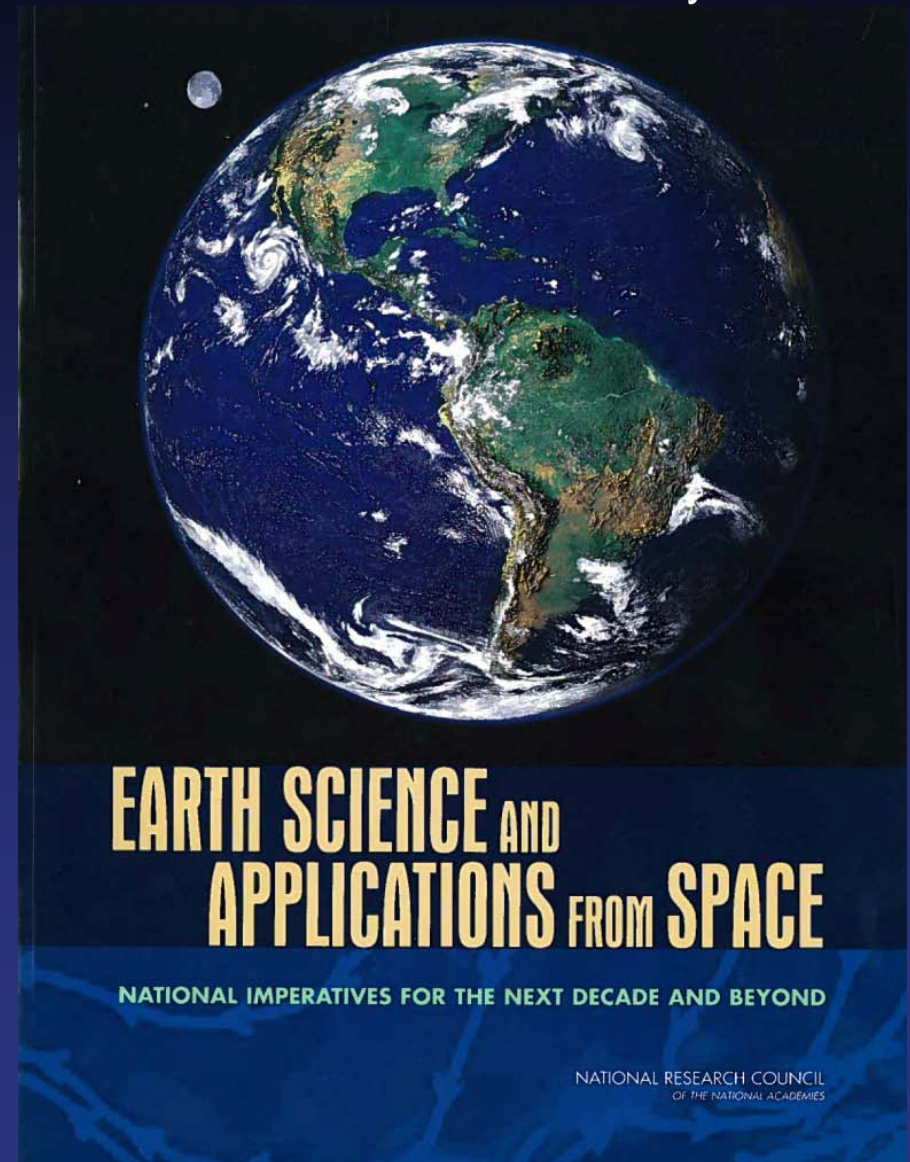


Regional Offices

Factors limiting advancement of Earth Science research to applications

- Inexperience in identifying requirements of applied users of the data and information.
- Limited knowledge of how managers, policy and decision makers, and the public obtain and use data and information.
- Capacity of institutions and organizations to apply new types of data and information to traditional and ongoing processes and ways of doing business.

2007 Decadal Survey



Workshop Series on Satellite and Above-Boundary Layer Observations for Air Quality Management

A series of 3 community workshops to:

- Engage a broader air quality management community: States, Academics, Private Sector Stakeholders
- Create an opportunity for two-way communication between Air Quality and Satellite Communities
- Create an process to link applications with satellite data, traceability to current and future stream of satellite observations.
- Begin a longer-term process that we hope will continue as new missions like GEO-CAPE develop and come to fruition.

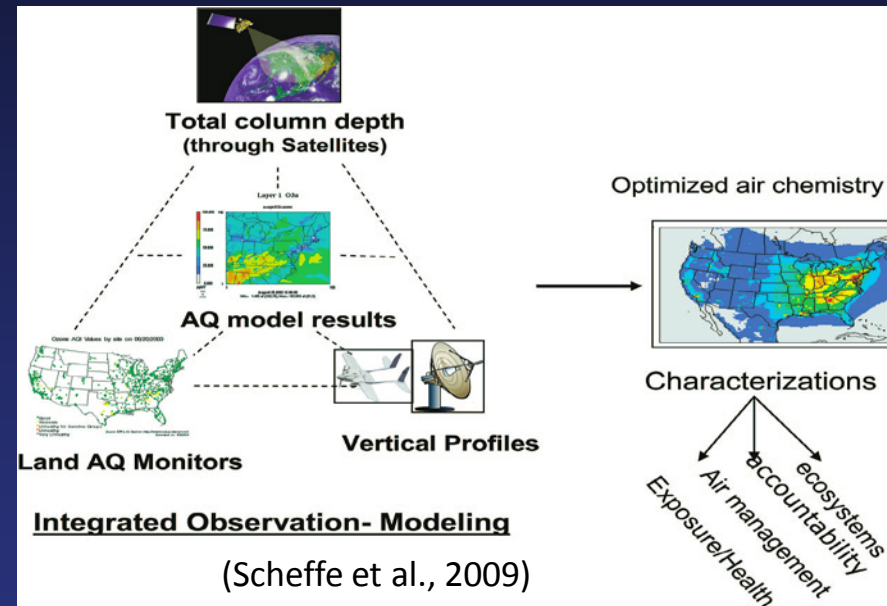
1st Workshop - May 9-10, 2011, 2nd - Fall 2012, 3rd Early 2012

Develop, Capture and Apply lessons from current Earth Observing System (EOS) data to the future

- The Air Quality Community is starting to embrace the use of observations from EOS instruments.
- As the AQ Community begins to build the infrastructure and capacity to use this information, it is based on the current suite of EOS instruments and datasets – the community needs to understand a path forward for data continuity (When will AQ missions like GEO-CAPE, and other relevant Decadal Survey missions launch)
- The AQ Community consists of a wide spectrum of users with different needs and different capabilities to access and use the data.
- What lessons can be learned from the current applications of EOS data products regarding data availability, data coverage, data formats, data accessibility, and data quality and applied to future missions.

1st Workshop Discussions

- Help identify and frame key science and application areas for community discussion and input in the next two workshops.
- Begin to identify and discuss an easily understood way to identify maturity of data products and how science data maps to applications – traceability matrix.
- Assisting in defining key observational and data requirements for future air quality relevant environmental observations from space and other platforms.



Questions?