



Overview of Charge Questions, and Background Information

Informational Briefing for CASAC Ambient Air Monitoring
Methods subcommittee
February 16, 2011



Topics

- Background
- Overview of Charge Questions
- ORD presentation of methods

Some history.....

Late 90's
PM2.5, speciation

Dear Dr. Hopke:

*This letter transmits primary source and background documents that will be the focus of the **November 30, 1998** of the Clean Air Scientific Advisory Committee (CASAC) **Technical Subcommittee for Fine Particle Monitoring**.*

Dear Ms. Whitman:

Early 2000's
continuous PM2.5
(mass and speciation)

The **Technical Subcommittee on Fine Particle Monitoring (hereafter, the "Subcommittee")** of the **Clean Air Scientific Advisory Committee (CASAC)** held a public workshop at EPA's Environmental Research Center in Research Triangle Park, NC on Monday, **January 22, 2001**. The purpose of this workshop was to explore opportunities for **accommodating emerging technologies** into routine air monitoring networks.

Early 2000's
National strategy

Dear Administrator Leavitt: The Clean Air Scientific Advisory Committee's (CASAC) **National Ambient Air Monitoring Strategy (NAAMS or Strategy") Subcommittee ("Subcommittee")** met on **July 8-9, 2003** to review the Agency's) National Ambient Air Monitoring Strategy document in a public meeting held at the EPA facility in Research Triangle Park, NC. This was the first CASAC related review of the draft NAAMS document. Members of the newly-formed CASAC NAAMS Subcommittee

The materials for information and review by the **Ambient Air Monitoring and Methods (AAMM) Subcommittee** of the Clean Air Scientific Advisory Committee (CASAC) are posted at the following URL:
<http://www.epa.gov/ttn/amtic/files/ambient/monitorstrat/section11.pdf>.

This material will be the subject of an advisory by the CASAC AAMM Subcommittee (Subcommittee) scheduled to be conducted in a public meeting scheduled **for December 15, 2004**, which

2005-2010
Individual NAAQS

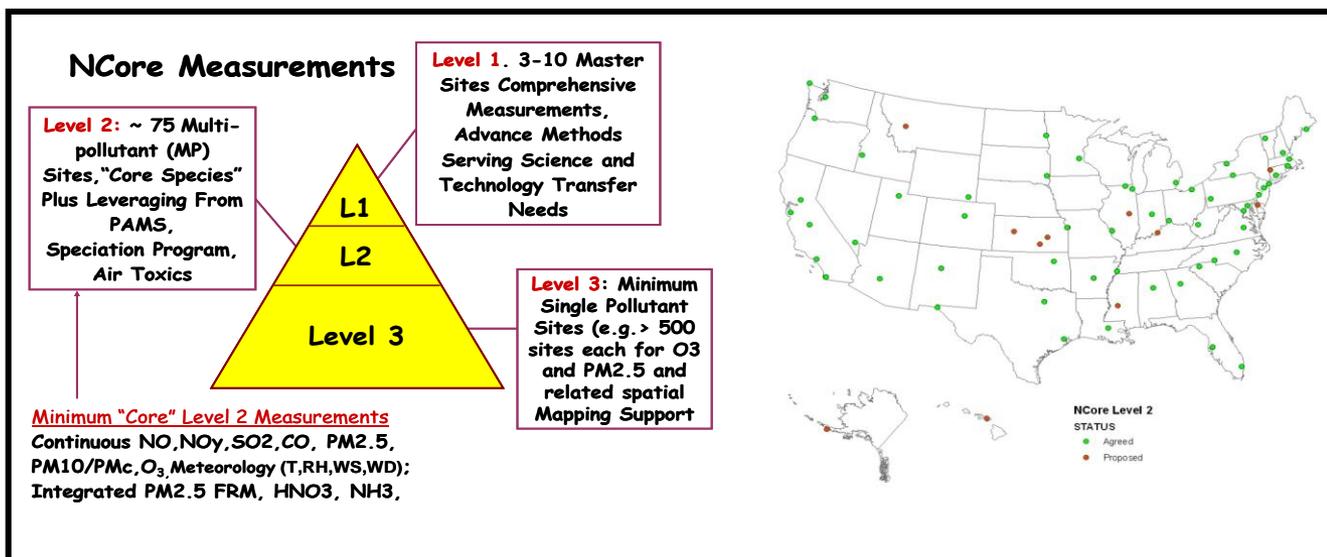
Today – near future
Near road, N/S,
toxics. PAMS

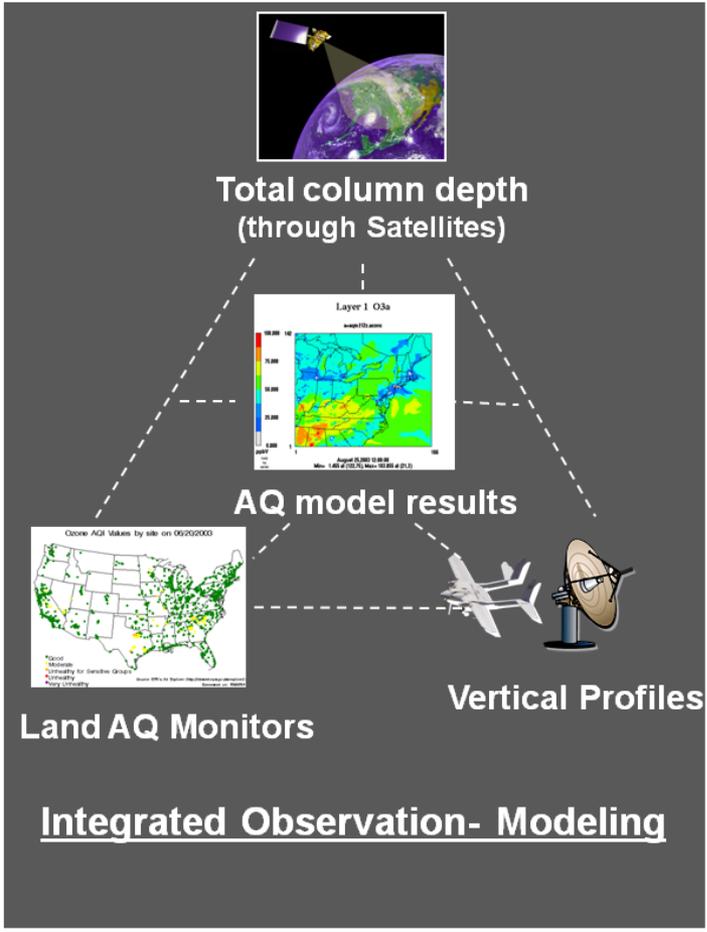
Attached are materials for review by the Clean Air Scientific Advisory Committee's (CASAC) **Air Monitoring and Methods Subcommittee (AMMS)**. These materials will be the subjects of an advisory meeting by the AMMS Subcommittee, scheduled to be held on **February 16, 2011**.



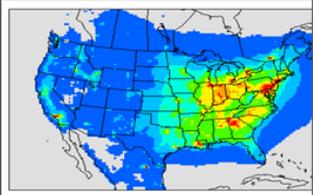
NO_x/SO_x plus

- Beyond methodology issues
- Broader issues of network design and leveraging observations, and models...



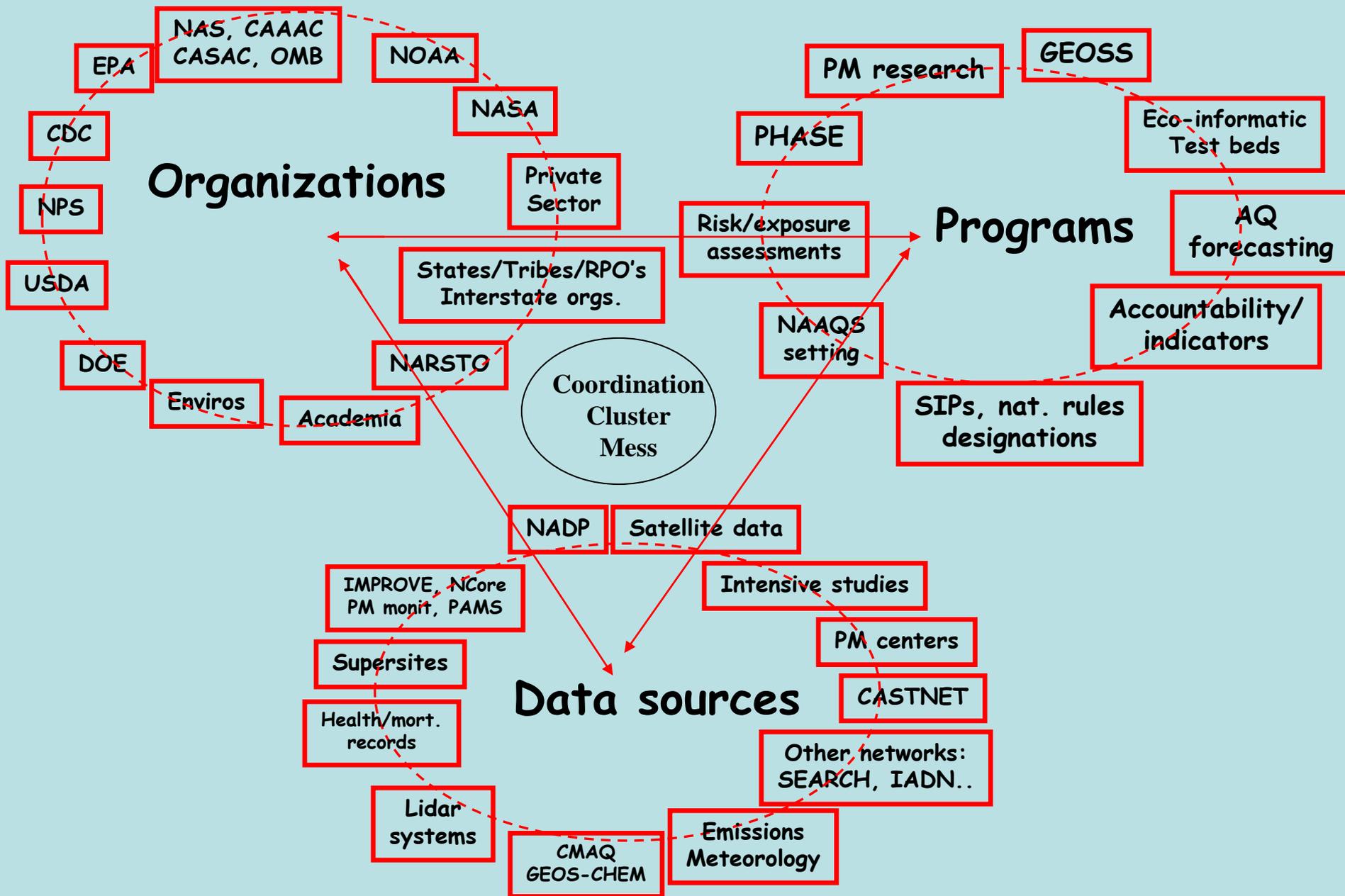


Optimized PM2.5, O3



Characterizations

- Health
- Air management
- ecosystems





Materials

- Att 1 – Monitoring paper
 - Previous chapter in PA dedicated to monitoring issues
- Att 2 – chapter 2 of NO_x/SO_x PA on source emissions to water quality relevant to N/S (updated parts of Att 1)
- Att 3 – near final CENRS/AQRS interagency monitoring report
- Att 4 – White paper on rural networks and model support
- Att 5 – ORD FRM development plan
- Charge questions



Overview of charge questions

- Questions 1-4
 - FRM considerations
- Questions 5-8, 10
 - non FRM valued measurements
- Question 9, 11
- Network design