

US EPA ARCHIVE DOCUMENT



Consequences of Global Change for Air Quality

Progress review meeting
February 21, 2007

Dr. Dan Costa
ORD National Program Director - Air

ORD Research Provides the Foundation for EPA's Decision-Making

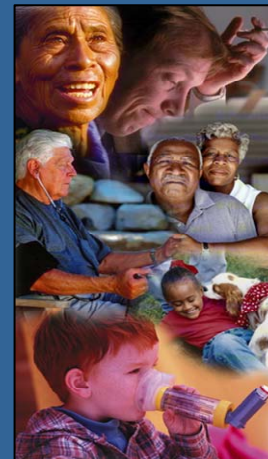
PM research has significant regulatory benefits & impacts.

▶ PM NAAQS - protect public health

- OMB – account for ~80% of all benefits attributable to regulation
- OMB - \$120 to \$183 billion annual savings for years - 1992 to 2002 (emergency room visits / hospitalizations, lost workdays, premature deaths)

- ORD science reduces uncertainty and strengthens confidence in the NAAQS
- ORD science provides the models and tools needed to implement the NAAQS

Clean Air -- EPA Goal 1



“Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.”



RESEARCH & DEVELOPMENT

Building a scientific foundation for sound environmental decisions

EPA PM Research Program



Epidemiology



Molecular

Clinical and Animal
Toxicology Studies

Intramural Program



EPA STAR Program
(PM Centers)

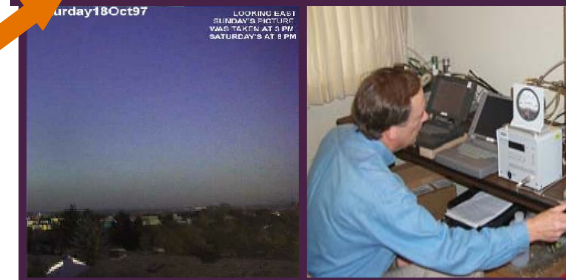
EPA Partners:

- Other Federal Agencies
- Health Effects Institute
- National Research Council
- Academia
- Industry laboratories

Emission Source
Characterization



Exposure, Atmospheric
Measurement and
Models



Supersites and EPA
Monitoring Network



RESEARCH & DEVELOPMENT

Building a scientific foundation for sound environmental decisions

Working across ORD programs

- It would be difficult for the ORD Air program to start new research involving climate change
 - Many pressing near term needs
 - Strong focus on PM, less on ozone
- As ORD, we do want to meet all of our client needs, and leveraging resources is the only approach to success
- Overlap of key team members creates strong coordination between ORD Air program and ORD Global air activities



Morning Agenda

- 8:45 am Welcome remarks, Dan Costa
- 9:00 am Huiting Mao, UNH
- 9:30 am Peter Adams, Carnegie Mellon
- 10:00 am Break
- 10:15 am Poster Session / Lunch
- 1:30 pm Afternoon session

