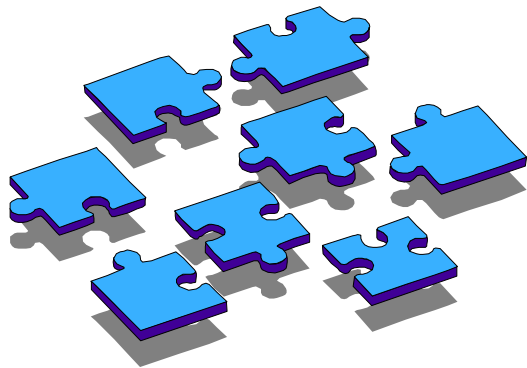




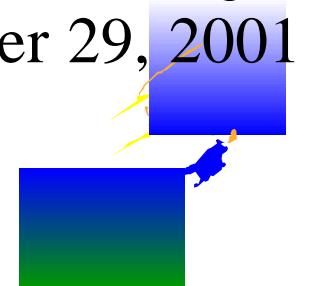
National Air Toxics Pilot Monitoring Program

Sharon Nizich, US EPA
Monitoring and Quality Assurance Group
Emissions Monitoring and Analysis Division



Data Analysis Workshop
Chicago

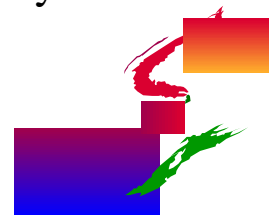
October 29, 2001



Air Toxics Monitoring Steering Committee guides pilot process

Steering committee comprised of senior managers from STAPPA/ALAPCO, EPA, and various local agencies.

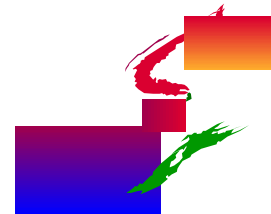
- Two planning subcommittees formed of EPA, state and local reps:
 - The Monitoring subcommittee
 - The Quality Assurance and Data Analysis subcommittee



FY2000 Program: Born from a Concept

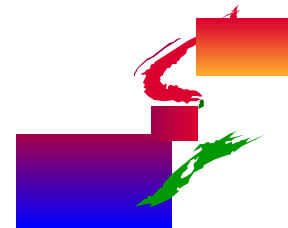
A Concept Paper was developed via the Steering Committee and approved by the Science Advisory Board:

- Laid groundwork for a 3-year network design plan to:
 - Characterize ambient concentrations;
 - Provide data for model to monitor comparisons



Specific Charge of Concept Paper

- Establish the appropriate urban/rural setting to provide insight into network design,
- Develop the target list of pollutants and methods, and
- Assure data analysis tasks for accomplishing NATA objectives and network design are undertaken.



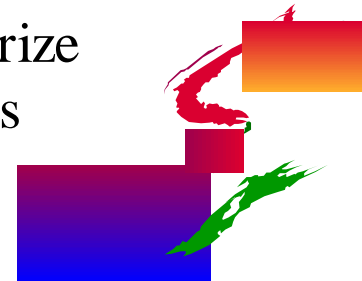
Schedule of Events

Concept Paper completed - February 2000

Steering Committee requests state/local proposals for pilot air toxics monitoring projects- February 2000

Steering Committee chooses 4 large areas that meet the pilot criteria- March 2000

LADCO receives \$500k grant allocation to begin data analysis project - to compile current site data (300) and pilot city data (10)- characterize situation and recommend design parameters



Schedule of Events *(continued)*

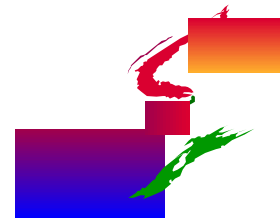
Regions choose 6 smaller areas - Summer 2000

Site selection completed - Fall 2000

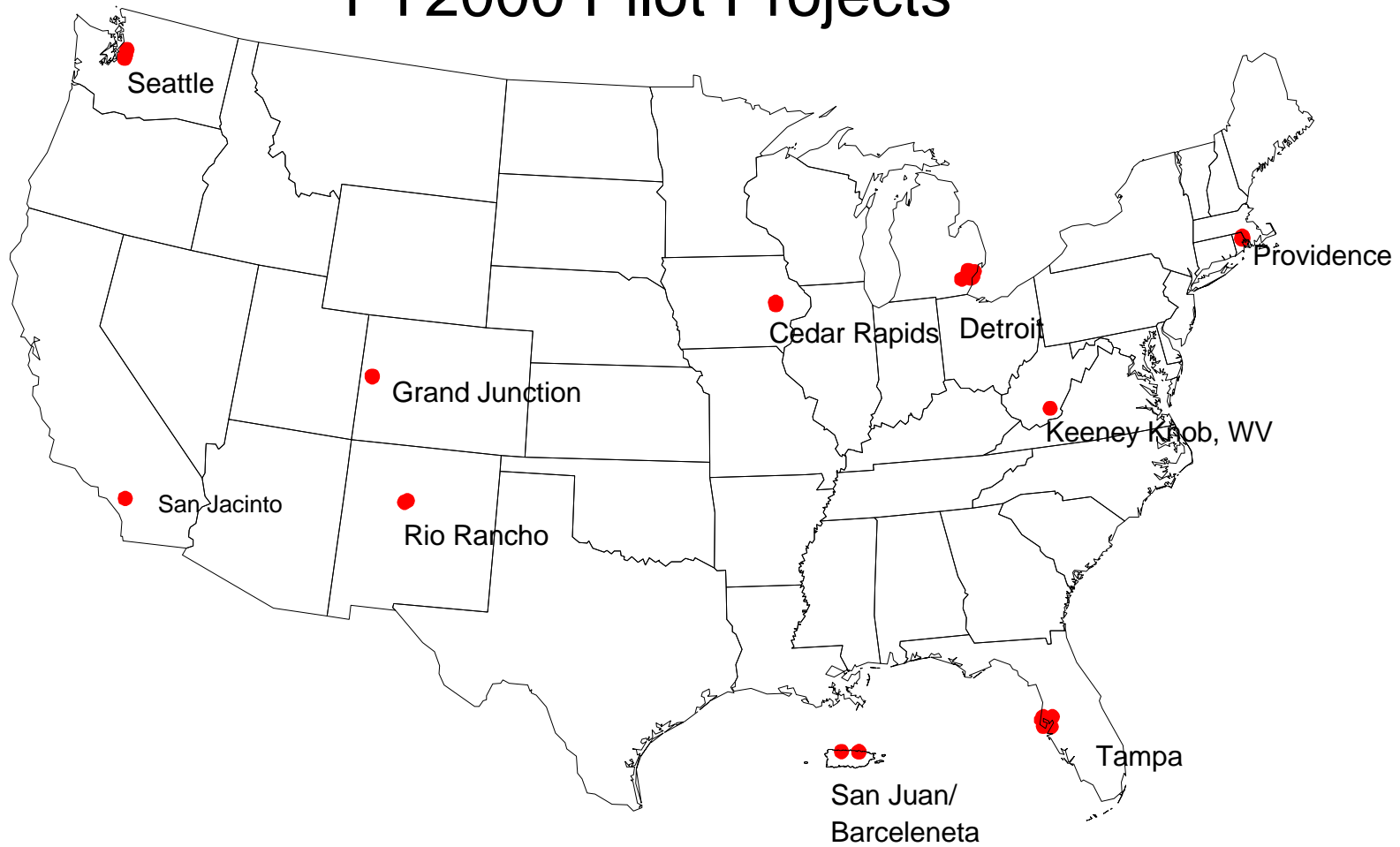
Pilot workgroups formed - Fall/winter 2000

- Quality Assurance workgroup
- Measurements/methods workgroup
- Data Management workgroup (spring, 2001)

Start dates: January 2001-August 2001



Toxics Pilot Monitoring Sites FY2000 Pilot Projects

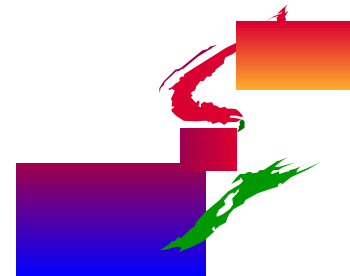


Cities begin projects/challenges encountered

Procurement and contracting issues pop up -

- January starts: Tampa, Cedar Rapids
- February starts: Seattle, West Virginia, San Jacinto
- spring/summer starts: Providence, Detroit, Rio Rancho, Grand Junction, Puerto Rico

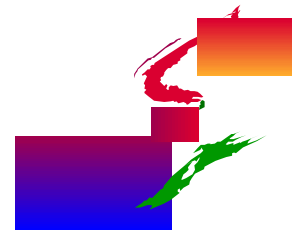
First two quarters of data collection will be spotty - shift project 3 - 6 months



Present Status of FY2000 Study

Data management workgroup formed (March 2001)

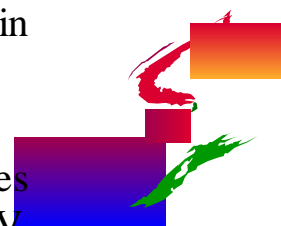
- Work with EPA's information management group to add necessary data fields and flags to AIRS
- Agree on consistent units to assure consistent data comparisons
- Work with the data analysis contractor to assure data analysts receive all the measurements needed for national assessment and ultimate design



FY2001 Program: expand our horizons (use of fy2001 grant allocation)

Steering Committee allows more flexibility in grant guidance with a menu of options -

- Data analysis for existing toxics monitoring (3);
- Siting of monitors where NATA or local modeling shows no data (5);
- Monitoring for additional pollutants above the 18 core list (2);
- Continuation of several pilot cities to ascertain trends (Providence, Seattle, Cedar Rapids)
- Mobile platforms encouraged (2)
- Additional monitors for existing air toxics sites includes using a Regional plan for Regions III/V



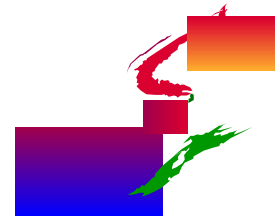
Future Work: Where We're Going

FALL/WINTER, 2001:

- Second year of projects awarded/work begins
- Steering committee recommends activities and allocation for FY2002 program (\$3 million)
- Guidance for FY2002 allocation sent to Regions/states

SPRING, 2002:

- FY2002 allocations awarded



Future Work (cont'd)

FALL, 2002:

- Final results of LADCO data analysis (original 10 cities) project peer reviewed winter, 2002
- Final data analysis document distributed
- Workgroup on network design initiated
- Workgroup on grant guidance initiated
- Overall Monitoring Strategy considered when designing network



Future Work (cont'd)

SPRING 2003

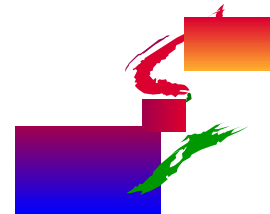
- Data analysed from FY2001 projects - added to the mix

SUMMER/FALL 2003

- Monitoring network guidance finalized, peer reviewed and distributed

WINTER 2003

- Possible national network rollout



Steering Committee Members

Charles Pietarinen
New Jersey Department of Environmental Protection
Trenton NJ

Gregg Lande
Department of Environmental Quality
Portland OR

Ken Stroud
California Air Resources Board
Sacramento, CA

Lee Alter
NESCAUM
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Steering Committee Members (continued)

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OAQPS Emission Standards Division, EPA
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Dick Valentinetti

Air Director

State of Vermont

Winston Smith

Air Division Director

Region IV US EPA