Air Explorer

Your Access to Air Quality Visualization Tools

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Outline

- What is Air Explorer?
- Why was Air Explorer created?
- O How was Air Explorer created?
- What are the benefits of Air Explorer?
- o Let's Demo Air Explorer!

What is Air Explorer?

- Web Base Tools
 - maps, graphs, data tables
- Access AQS Data

Why was Air Explorer created?

- Develop tools for routine and exploratory analyses that provide relevant results
- Extend access to our partners in the health, science, and academic communities
- Bottom line, provide access to extremely relevant, high quality information

How was Air Explorer created?

Build Dynamic Web Application

Use Existing SAS Technology

What are the Products/Benefits of Air Explorer?

- Powerful analytical tools
- Interactive, portable results
- Exploratory analysis capabilities
- Relevant information
- Less time generating results
- More time interpreting & sharing results
- Broad access to tools
- Only need a Web browser

Demo Time!!

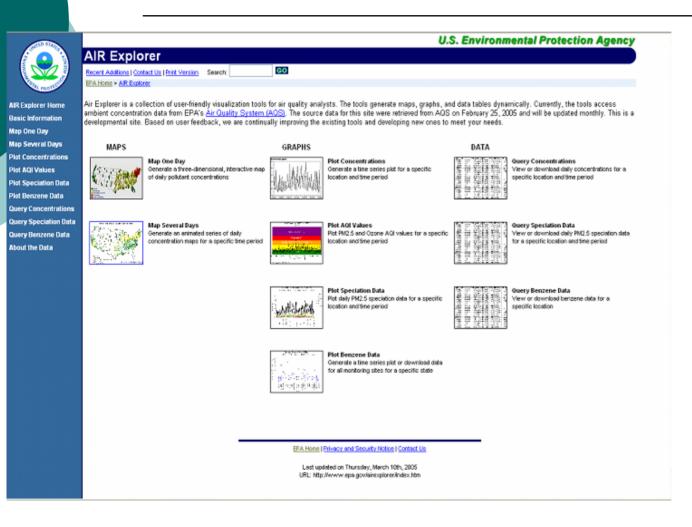
http://www.epa.gov/airexplorer

The End

- Do you have questions, suggestions for new tools that would be a help to you, comments on how to improve existing tools? If so contact...
 - David Mintz, 919-541-5224, <u>mintz.david@epa.gov</u>
 - Lance McCluney, 919-541-4820, mccluney.lance@epa.gov

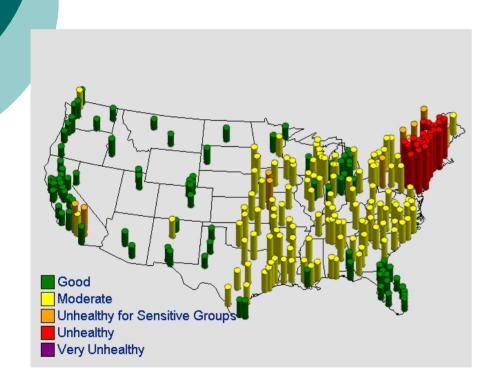
Extra Slides

Introducing Air Explorer



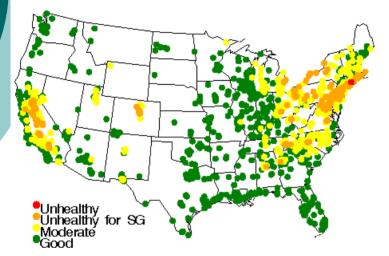
- PowerfulWeb-drivenanalyticaltools
- Generates output dynamically
- Now available to air quality analysts everywhere

PM2.5 AQI Values by MSA on 07/07/2002

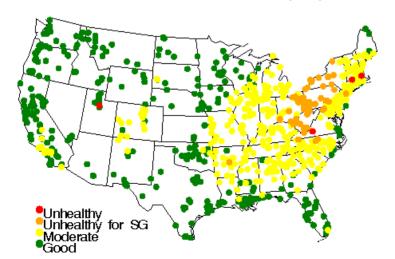


- You can map daily AQI levels for any pollutant, any day.
- Rotate, zoom, and other interactive features available

Ozone AQI Levels - 07/01/2002:



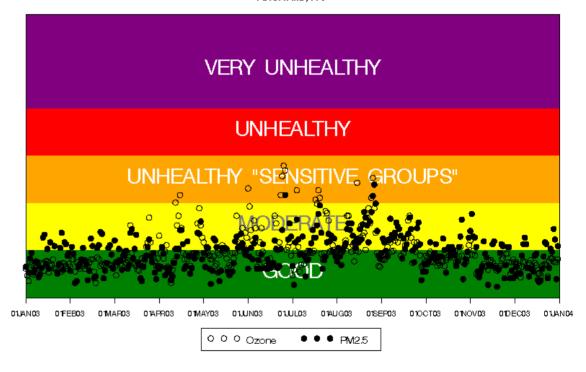
PM2.5 AQI Levels - 07/01/2002



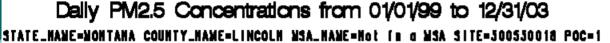
 You can view daily animations for multiple pollutants for any time period

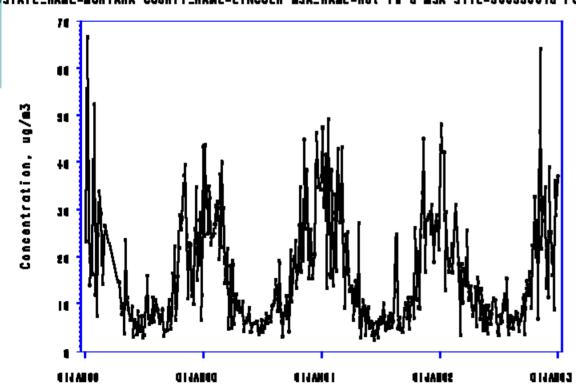
 You can plot daily PM2.5 and ozone AQI values for any city, any time period

Daily Ozone and PM2.5 AQI Values from 01/01/03 to 12/31/03 Knoxville.TN



Source: ERA's Air Explorer (http://www.epa.gov/airexplorer/) Generated on: 03JUN05





You can plot daily concentrations for any city, any pollutant, any time period

Source: EFA's Air Explorer (http://intranet.spa.gov/sirexplorer/)

DATE	SITE	POC	STATE_NAM	COUNTY_N	MSA	MSA_NAME	PM2.5 F
1/3/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	7.5
1/12/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	8.1
1/15/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	11
1/18/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	12.5
1/21/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	13.7
1/24/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	12.1
1/27/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	14.3
1/30/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	12.7
2/2/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	13.4
2/5/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	7.1
2/8/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	11
2/11/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	11.1
2/14/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	18
2/17/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	10.7
2/20/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	19.8
2/23/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	6.4
2/26/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	19.2
3/1/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	10.5
3/4/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	14.4
3/7/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	10.7
3/10/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	10.3
3/13/2003	130890002	5	GEORGIA	DE KALB	520	Atlanta,GA	18.8

 You can download daily concentrations for any city, any pollutant, any time period