



# Fostering Collaboration Among Health & Environment Collaboration at the Federal Level

Nat'l Environmental Public Health  
Tracking Conference

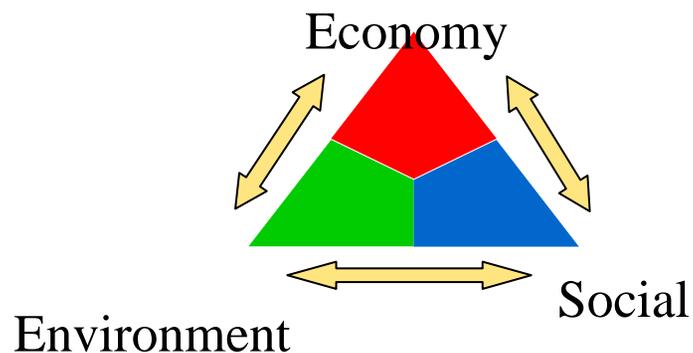
April 20, 2005



# Complex, persistent problems require integrated thinking and action

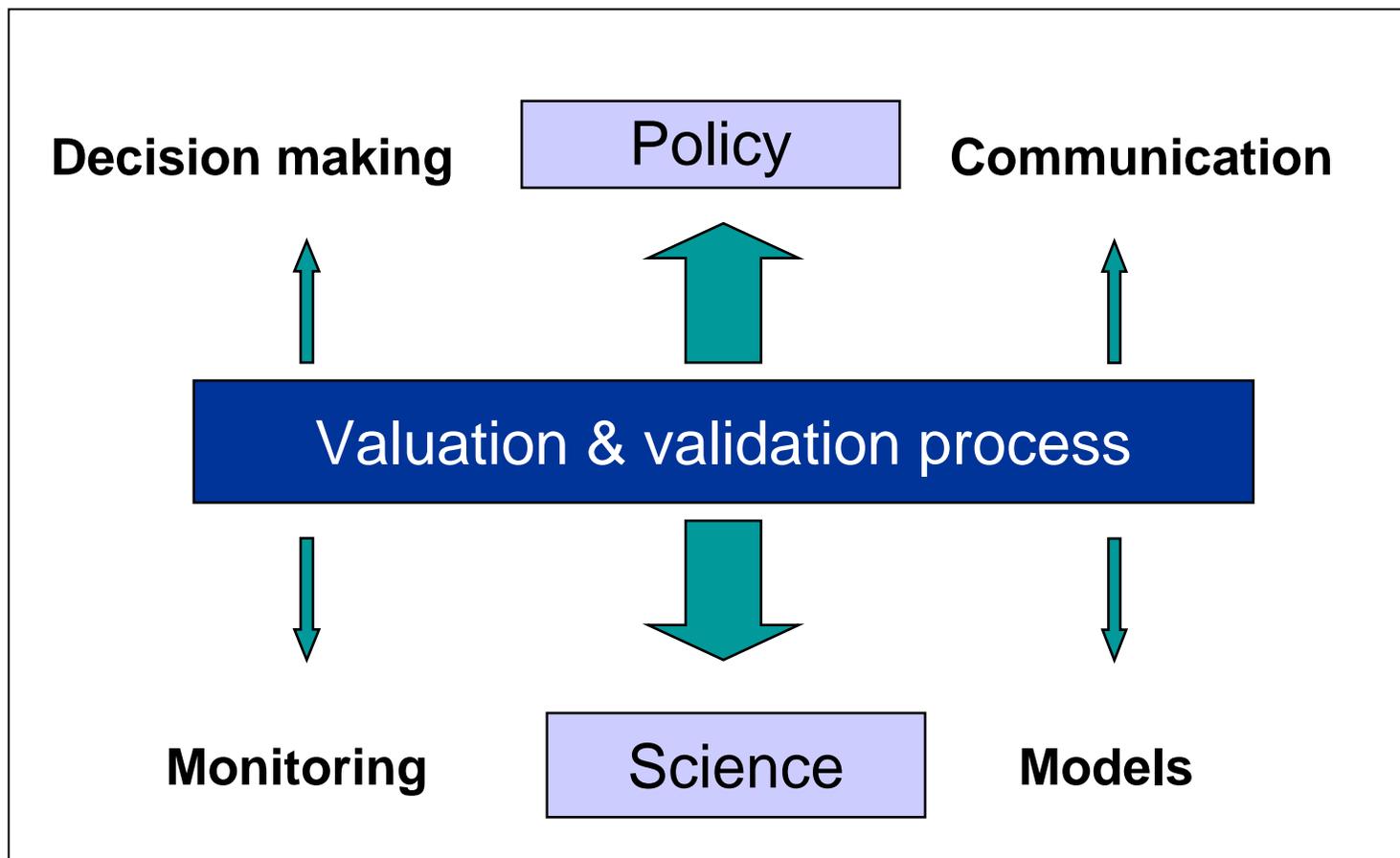


Assessments  
and policy  
making  
across:



- ❖ Scientific disciplines
- ❖ Economic sectors
- ❖ Social, economic and environmental issues
- ❖ Geographical borders
- ❖ Time
- ❖ Political traditions
- ❖ Policy cycle

# Bridging the gap between science and policy...



Source: GSE Coastwatch



# Federal Health Architecture – Vision & Goals

April 2004



## ❖ Vision

- ❖ Safer and healthier citizens who have improved access to health related information and services

## ❖ Goals

- ❖ Improved coordination and collaboration on national Health IT Solutions
- ❖ Improved efficiency, standardization, reliability, and availability of comprehensive health information solutions



## ❖ in-ter-op-er-a-bil-i-ty

- ability of a system...to use the parts or equipment of another system

Source: Merriam-Webster web site

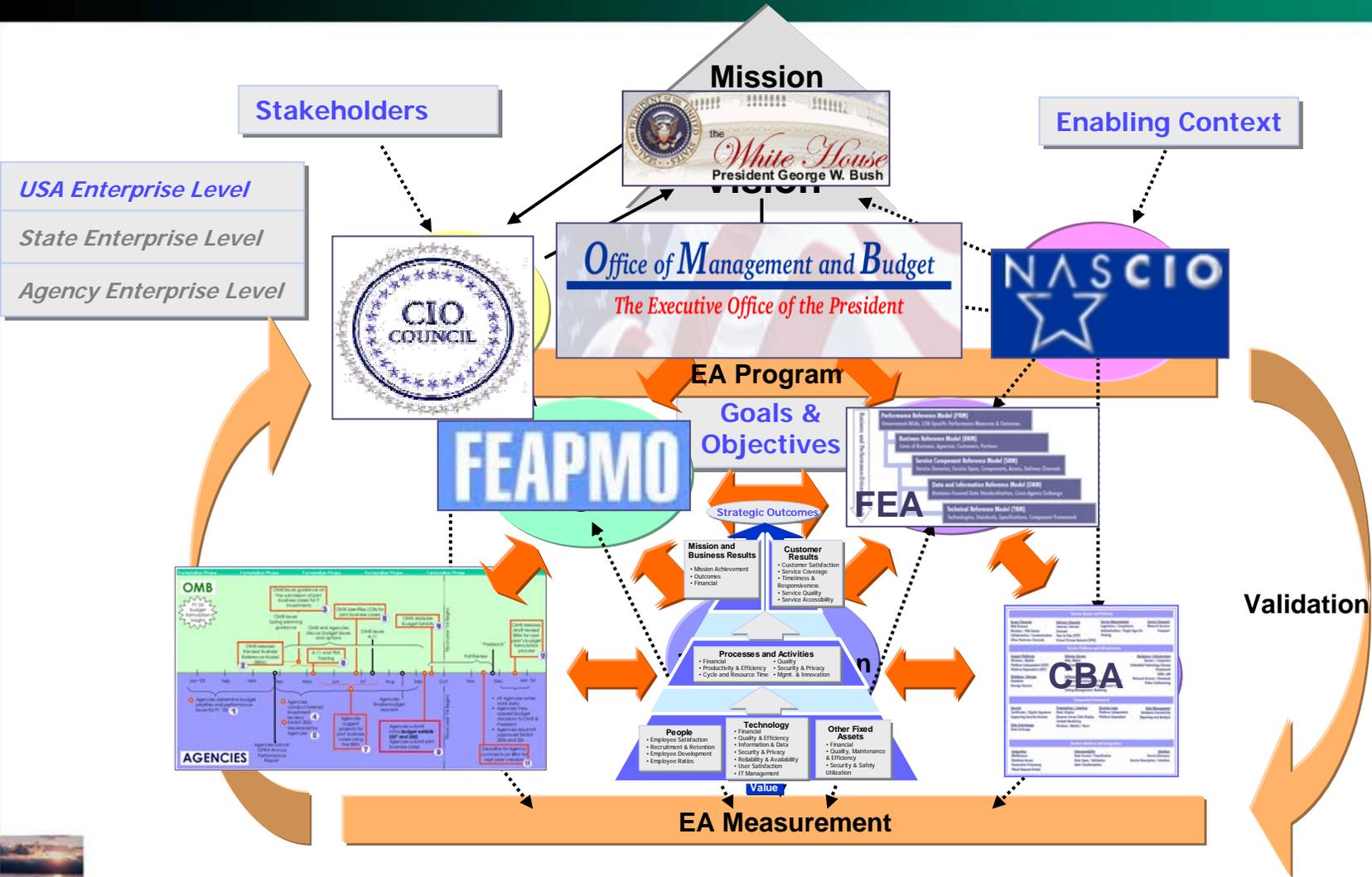
## ❖ interoperability

- ability of two or more systems or components to exchange information and to use the information that has been exchanged.

Source: IEEE Standard Computer Dictionary: A Compilation of IEEE Standard Computer Glossaries, IEEE, 1990]



# Enterprise Architecture A Top Down Approach - Federal/USA



# Portal for USEPA Air Office (OAR)



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Better health to result from fewer hazardous air pollutants

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National Outlook - click for larger map

Air Quality Outlook Nov 17-18, 2004

**National Outlook:**

An upper-level ridge of high pressure over the Midwest will reduce vertical mixing throughout the eastern third of the country, allowing particle pollution levels to increase across a large area.

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Subordinate Tables	Monitor ID	Parameter Code	Probe Height
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<a href="#">SubTables</a>	06001000111012	11101	27
<a href="#">SubTables</a>	06001000111031	11101	27
<a href="#">SubTables</a>	06001000112011	11103	27
<a href="#">SubTables</a>	06001000113021	11201	27
<a href="#">SubTables</a>	06001000121031	12103	27
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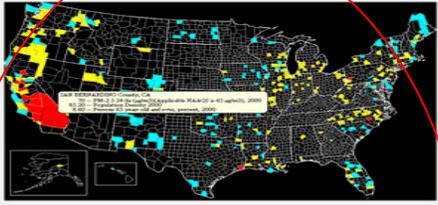
**Links**

<http://intranet.epa.gov/>

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<http://www.epa.gov/oar/>

#### Dynamic Choropleth Maps



#### AirNow

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National Outlook - click for larger map



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#### Enviroflash

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Your Environmental News Flash

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**Administrator Notes**  
The administrator could place notes or announcements in this spot.

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**EnviroFacts**  
Topics: Waste, Water, Toxics, Air, Land, Radiation, Compliance, Other, Maps  
Advanced Capabilities: Quizzes, Maps, Reports

**Enforcement and Compliance History Online (ECHO)**  
Welcome  
Compliance Searches: All Data, Air Data, Water Data, EPA Compliance Data, RCRA Subtitle C, Quick Search, Other On-Site State, Other Off-Site State, Other Search, M7, Links, Favorites, All Facilities, Exit Data Users

**TRI Explorer**  
Chemical Report  
Hints for First-Time Users  
Assumptions used in the analysis  
Reports: Chemical, Facility, Trends, Geography, Maps  
Geographic Location: All of United States, Chemical Release, All chemicals, Industry, All Industries, Year of Data  
Data Set: 2002  
Report columns to include: Total On-site Disposal or Other Releases, Total Off-site Disposal or Other Releases, Total On- and Off-site Disposal or Other Releases

**EnvioMapper**  
Mapping Features: NPL Sites, Industries, States, Counties, States  
2332 mi across. Tip: Click on the map or choose another option.  
You can also classify NPL sites or zoom in by geography.

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November 17, 2004

# Security Required!

Nov 22, 2004 03:12 pm EST

Welcome **grady**

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**Center of Excellence for Environmental Computational Science**

**xportlets : ProxyManager**

The following GSI proxy credentials are loaded into your account:

(default proxy) /O=Grid/OU=GlobusTest/OU=simpleCA-ogsa.rainbow.cnidr.org/OU=rainbow.cnidr.org/CN=Terry Grady [View](#) [Remove](#)

Click the button below to add another GSI proxy credential to your account:

[Get New Proxy](#)

**Grid Job Submission Portlet**

[Monitor submitted jobs](#)

**Job name**

**Host name**

**Certificate to use** /O=Grid/OU=GlobusTest/OU=simpleCA-ogsa.rainbow.cnidr.org/OU=rainbow.cnidr.org/CN=Terry Grady

Note: If you don't see all your certificates above, that means some of them have expired

**Executable**

**Arguments**

M3DATA

STDATE

STTIME

NSTEPS

TSTEP

BASE

[Fill in CMAQ Parameters](#) [Run Job](#)

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NMI

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CHEF v01.00.07[build #303141], Jetspeed v1.4b2[cvs08oct2002p]

A cross-agency U.S. Government Web site. See a complete [list of AIRNow partner agencies](#) Search:  **GO**



## Quality of Air Means Quality of Life



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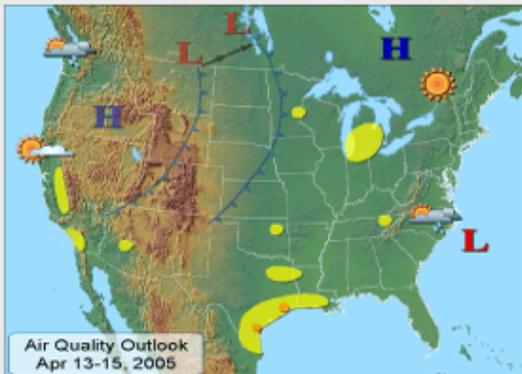
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### National Overview

April 15th, 2005

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National Air Quality Outlook - click for larger map



#### National Outlook:

Unhealthy for Sensitive Groups: AQI levels are expected in some Texas cities Thursday and Friday.

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- [Particles Now](#)
- [Ozone Now](#)
- [Cities With Action Days](#)
- [Archives](#)
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**Metro Atlanta "Walk There!" Challenge offers great incentives to leave your car behind.** From April 1 to April 28, sport a pedometer, count your steps, and you will be on your way to better air quality, better health and possibly an iPod shuffle or a trip to Aruba!

[Metro Atlanta's Walk There! Challenge](#) **EXIT AIRNOW ►**

**Cash rebates available to Louisville residents from 2005 Lawn Care Rebate Program.** Mowing with a typical gasoline-powered lawnmower for one hour produces almost as much air pollution as driving approximately 200 miles in a typical car. [Louisville Metro Air Pollution Control District](#) **EXIT AIRNOW ►**

**Michigan Department of Environmental Quality (DEQ) adds forecast cities:** Air quality forecast are now available for Ann Arbor, Flint, Kalamazoo, Lansing/East Lansing, Saginaw/Bay City/Midland and Traverse City. [Michigan Air Quality Forecast and Current Conditions](#) [Michigan DEQ](#) **EXIT AIRNOW ►**

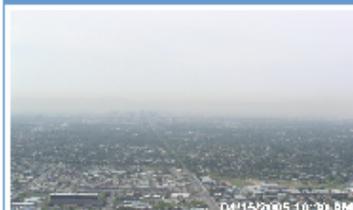
The 2005 National Air Quality Conference "Quality of Air Means Quality of

### Local Resources



- [Local Forecast & Conditions](#)
- [Visibility Web Cams](#)
- [Current Ozone & Particle Maps](#)

#### Web cam



[Current Visibility in Phoenix, AZ](#)

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[View other Web cams](#)

The Weather Channel's Forecast Earth Series



[On the Weather Channel, April](#)



Good

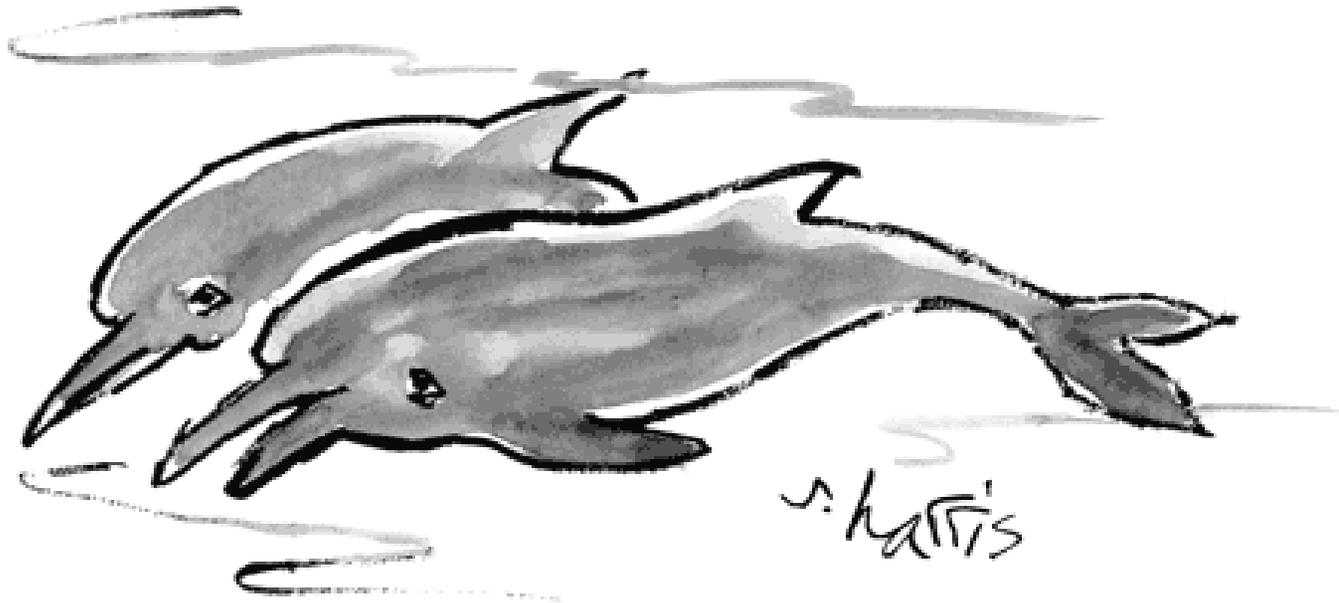
Moderate

Unhealthy for Sensitive Groups

Unhealthy

Very Unhealthy

# Is it really true – they communicate?



*"Although humans make sounds with their mouths, and occasionally look at each other, there is no solid evidence that they actually communicate among themselves."*



**William Sonntag**  
**Chief of Staff**  
**USEPA Office of Environmental Information**  
**[sonntag.william@epa.gov](mailto:sonntag.william@epa.gov)**

