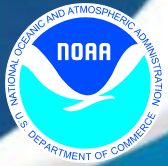


NOAA's Air Quality Program

Steve Fine

NOAA Air Quality Program



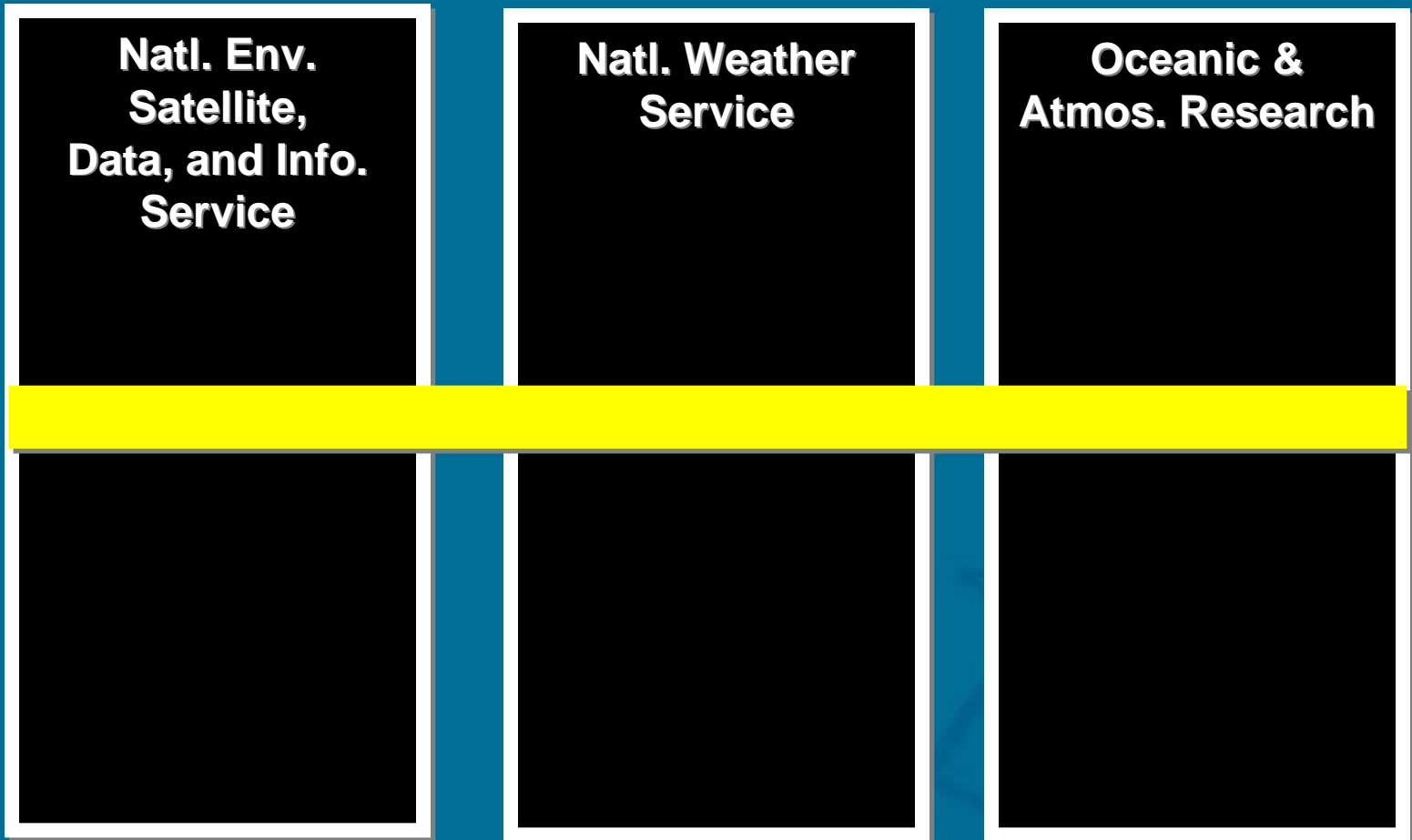
What is “NOAA’s Air Quality Program”?

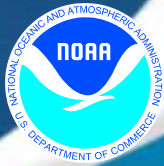
**Natl. Env.
Satellite,
Data, and Info.
Service**

**Natl. Weather
Service**

**Oceanic &
Atmos. Research**

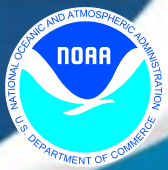
**Air Quality
Program**





Goals

- *Provide key information AQ decision-makers require to make well informed decisions*
- *Provide AQ forecast guidance to AQ forecasters and the public to allow them to better anticipate unhealthful episodes*



NOAA's Air Quality Scope

NOAA

Ecosystems

Climate

Air Quality

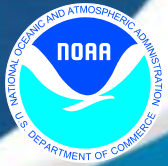
Science-based information about and models of the atmosphere and related processes

Health Effects

AQ Policies

AQ Warnings

Resource Mgmt.



Major Activities

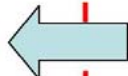
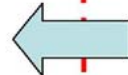
Information For Air Quality Decision-Makers

Policy Research

AQ Policy & Management

Policy Relevant Analyses

Decision Tool Development



Field Experiments & Monitoring

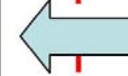
Air Quality Forecasting

Research Operations

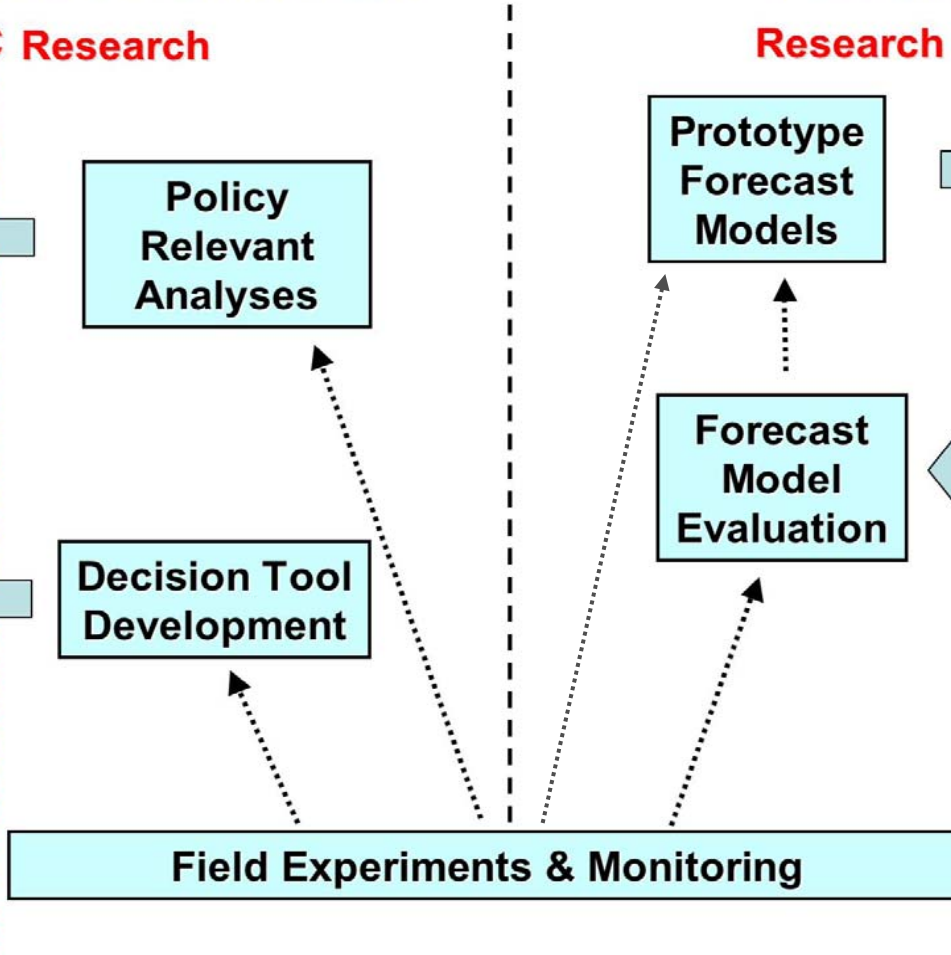
Prototype Forecast Models

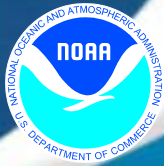
Forecast Model Evaluation

Operational Forecast System



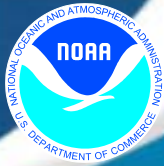
Field Experiments & Monitoring



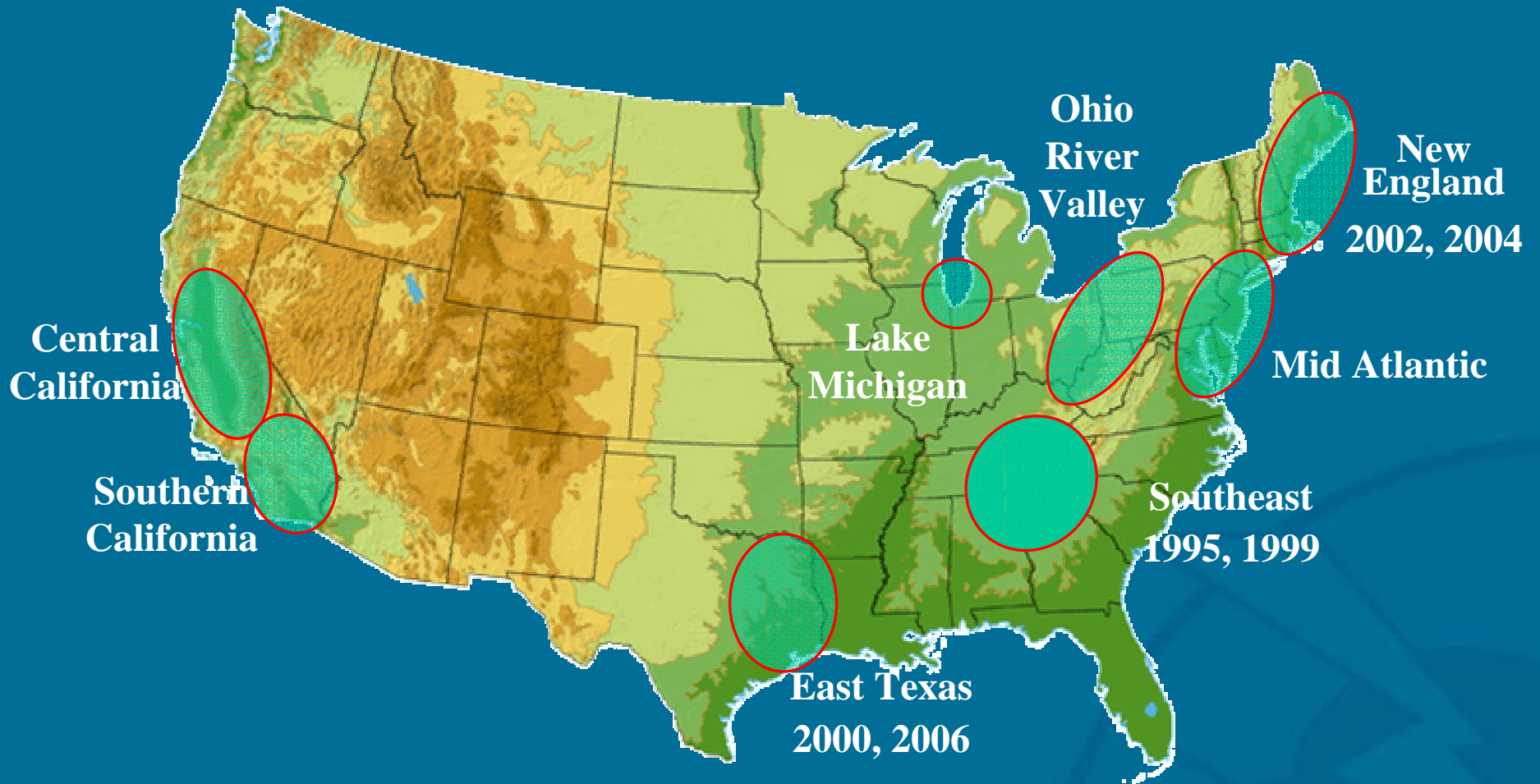


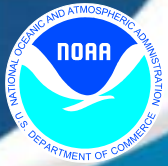
Program Plans

- ***Operational AQ forecast guidance***
 - Expand ozone guidance nationwide
 - Initiate particulate matter guidance
 - Expand particulate matter guidance nationwide
- ***Comprehensive regional assessments***
 - 2006: Texas
 - 2008: California?
 - 2010: ?



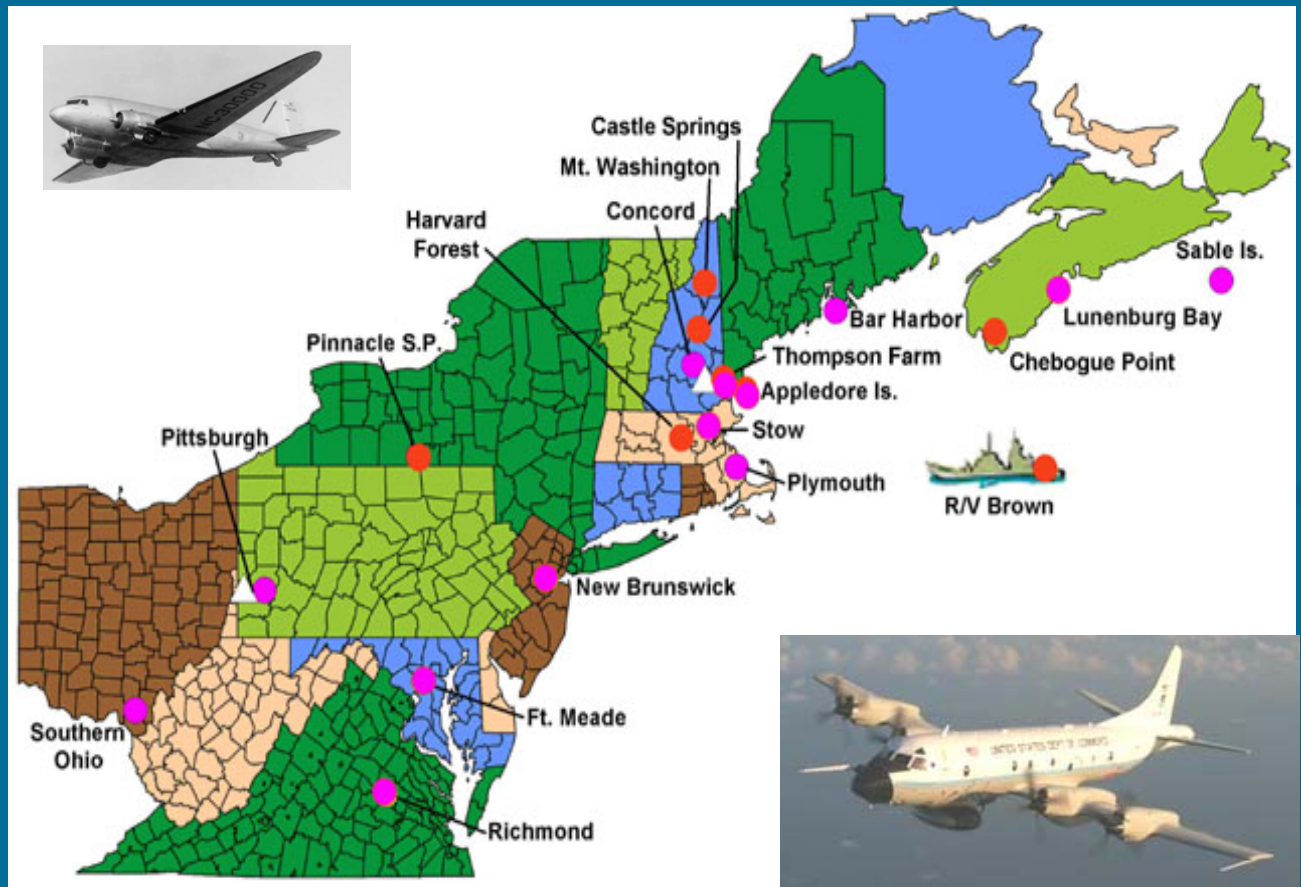
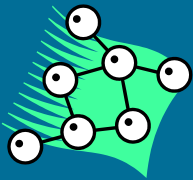
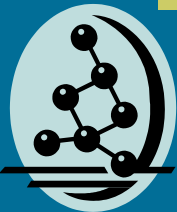
Comprehensive Regional Assessments

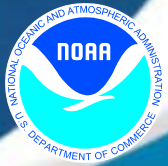




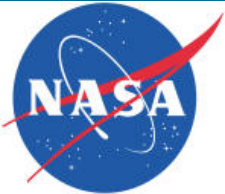
New England Air Quality Study-2004

??



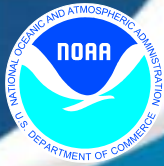


Intl. Consortium for Atmos. Research on Transport and Transformation



Many Universities

<http://www.al.noaa.gov/ICARTT/>



Collaboration

➤ **EPA**

- Memorandum of understanding: Air quality-related research
- Memorandum of agreement: Air quality forecasting

➤ ***Other Federal: DOE, Forest Service, NASA, Park Service***

➤ ***Other: State/local governments, international, universities, private sector***

➤ ***Opportunities for additional joint activities***