FY 2012 NOAA REORGANIZATION

Mary Glackin
Deputy Under Secretary for Operations
February 14, 2011

BACKGROUND/PROCESS

Reports from the National Academies (‘01, ‘06, ‘09)

Reports from the NOAA SAB CWG (‘08, ‘09)

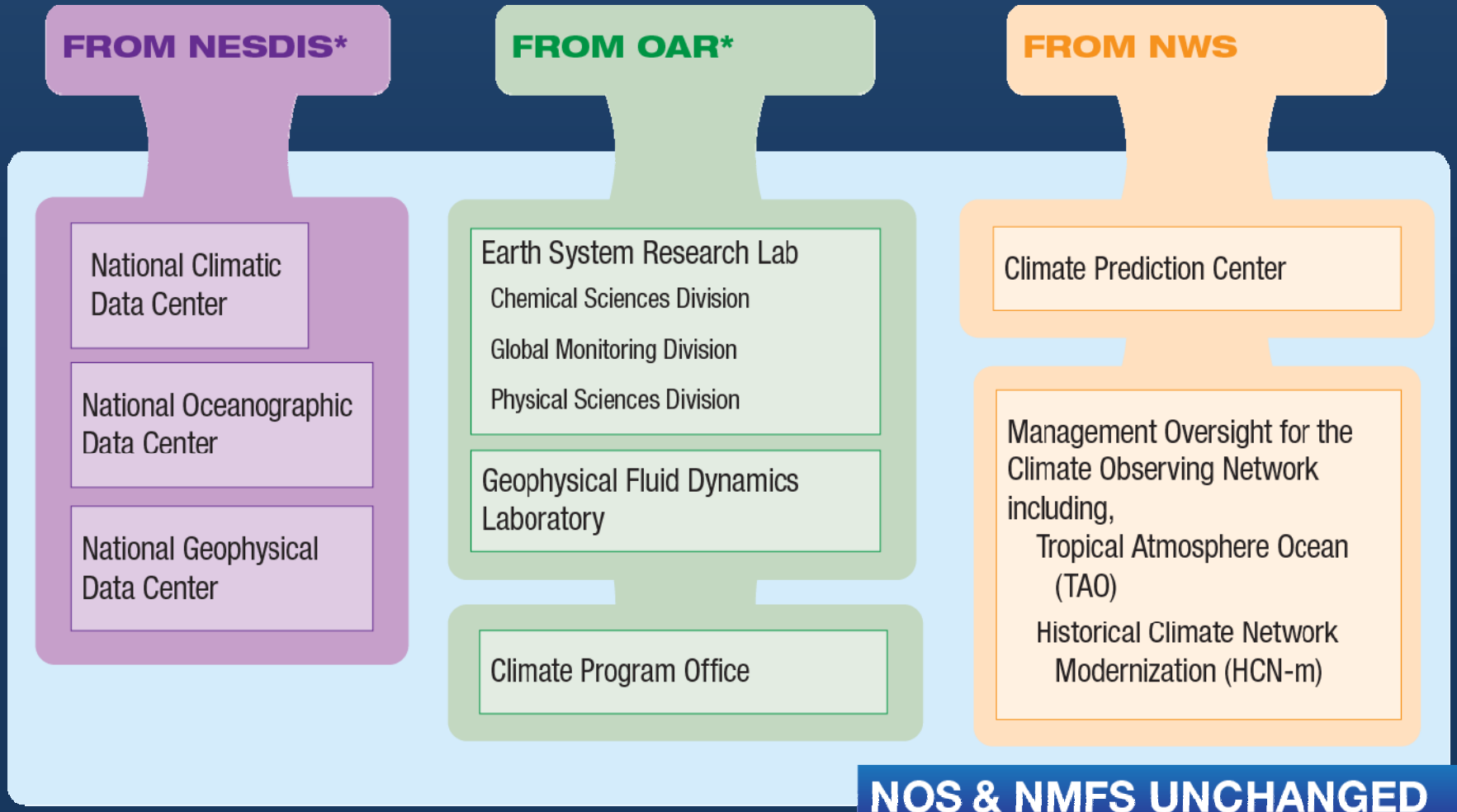
NOAA/Commerce Announcement of Intent, 2/10

National Academy of Public Administration, 9/10

Draft Vision and Strategic Framework v9.0, 12/10

FY12 President’s Budget (Climate Service Proposal), 2/11

NOAA COMPONENTS PROPOSED TO FORM A CLIMATE SERVICE



The physical location of these facilities will not change

***Select Administrative functions from NESDIS and OAR will transfer to Climate Service**

Climate Service Definition

From Version 9 (V9) Climate Service Strategic Plan Climate Services (NRC 2009)

- A mechanism to identify, produce, and deliver authoritative and timely information about climate variations and trends and their impacts on built, social-human and national systems and regional, national and global scales to support decision making.

Definition proposed to USGCRP roundtable on Climate and Information Services (CENRS)

- The identification, production, and easy access to timely and authoritative scientific data and information about all aspects of climate including its impact on human and natural systems that helps people make informed decisions in their lives, businesses and communities.

Climate Service Vision and Mission

Vision

By providing science and services, the Climate Service envisions an informed society capable of anticipating and responding to climate and its impacts.

Mission

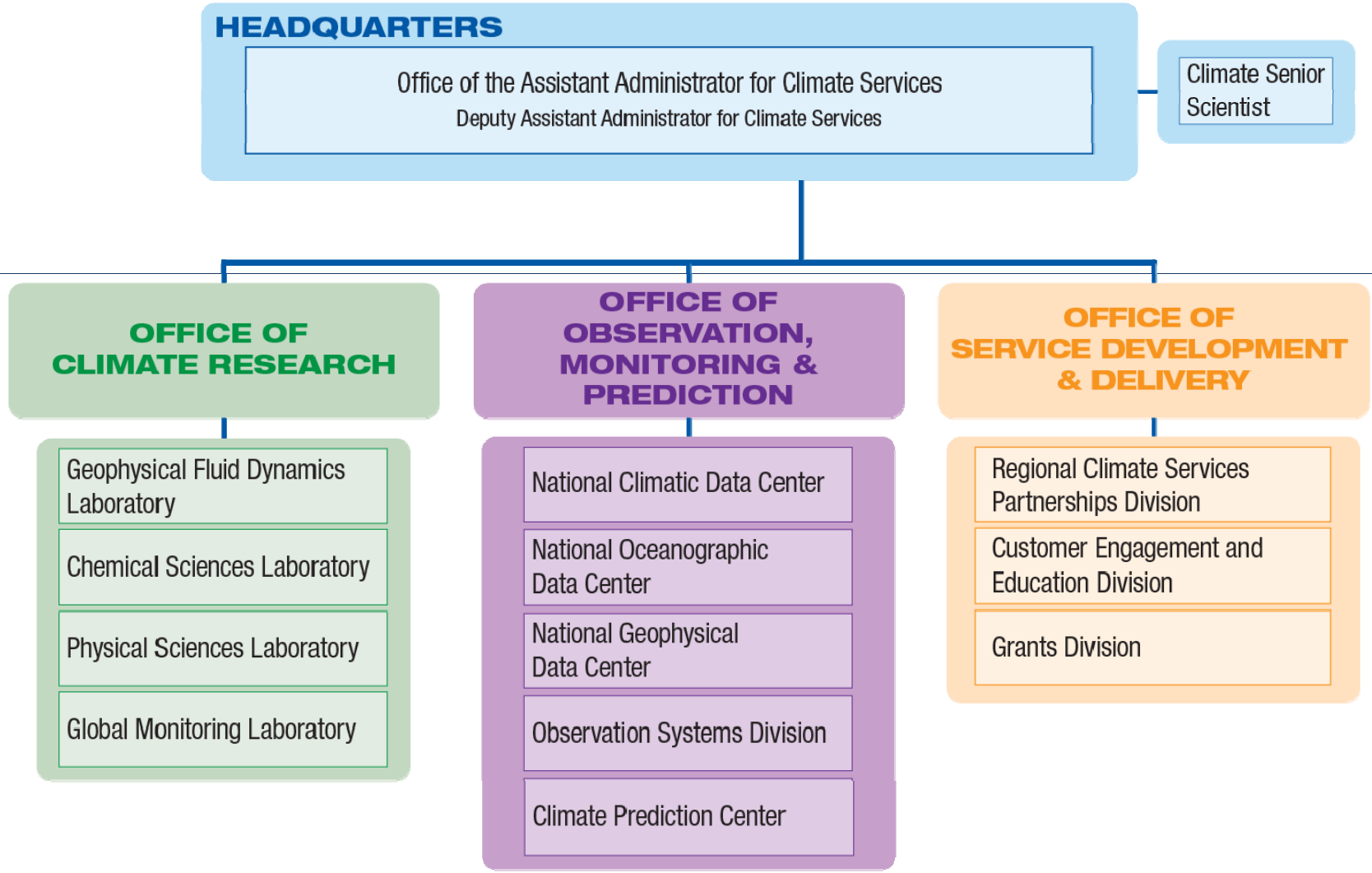
Improve understanding and prediction of changes in climate and promote a climate-resilient society by:

- Monitoring climate trends, conducting research, and developing models to strengthen our knowledge of the changing climate and its impacts on our physical, economic, and societal systems
- Providing authoritative and timely information products and services about climate change, climate variability, and impacts
- Informing decision making and management at the local, state, regional, national, and international levels

The Climate Service delivers products and services in collaboration with public, private, and academic partners to maximize social, economic, and environmental benefits.

CLIMATE SERVICE IN NOAA

PROPOSED CLIMATE SERVICE



Office of Oceanic and Atmospheric Research: NOAA's Long-term Visionary & Innovation Engine

INNOVATE: Enable discovery, development, and deployment of science

- *Past & Present:* Ocean acidification, ozone hole, ocean exploration, coastal forecasting
- *Opportunities:* Computer technology—Graphical Processing Units, ecological forecasting, improving fish and bi-valve stock assessments, gliders and autonomous underwater vehicles (AUVs), water cycle forecasting

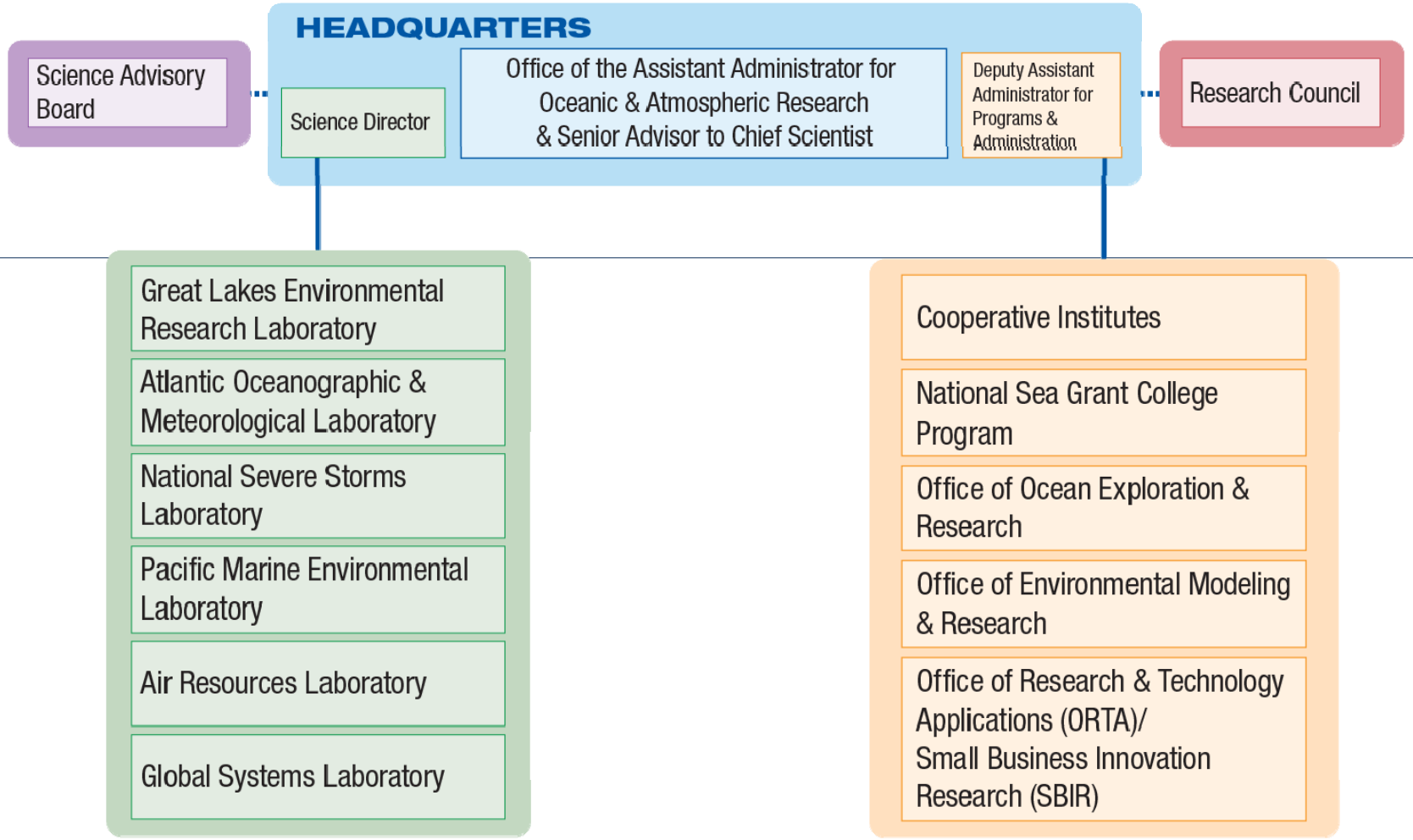
INCUBATE: Identify and foster long-term transformative research

- *Past & Present:* Climate science and services, Tsunami warning system, NEXRAD Radar, Mauna Loa Observatory, Unmanned Aircraft Systems (UAS), Sea Grant Extension
- *Opportunities:* Multi-function Phased Array Radar (MPAR), advances in weather forecasting, sensor development, easy-to-deploy buoys, socio-behavioral-economic sciences

INTEGRATE: Bridge research activities across NOAA and partners

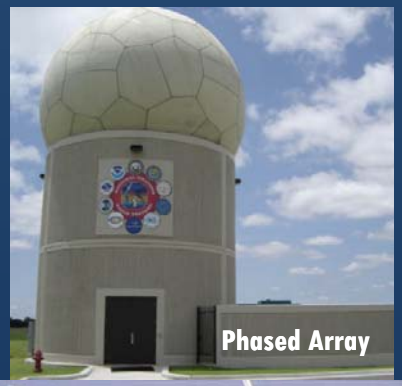
- *Past & Present:* Hurricane track and intensity forecast improvement, Advanced Weather Interactive Processing System (AWIPS), Cooperative Institutes, Sea Grant
- *Opportunities:* Ecosystem functioning with special emphasis on Arctic & Gulf of Mexico, Earth System modeling and forecasts, renewable energy

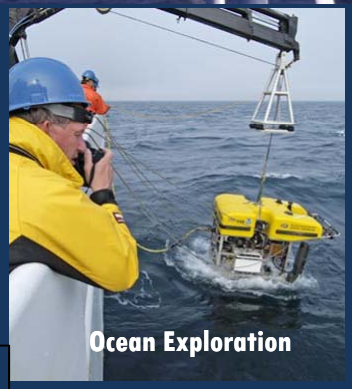
PROPOSED OFFICE OF OCEANIC & ATMOSPHERIC RESEARCH (OAR)



Highest Priority Areas for OAR

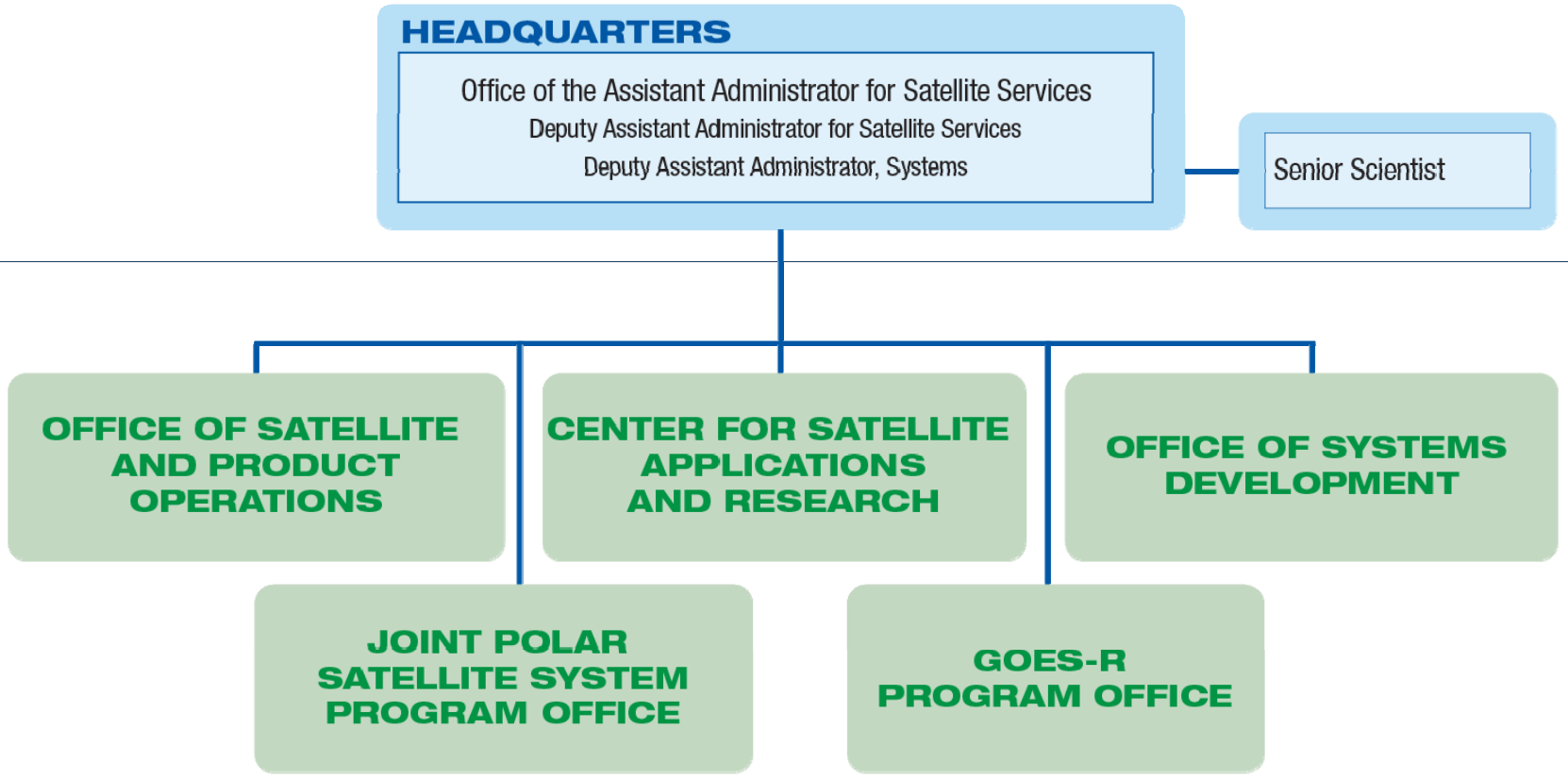
- **Next-generation forecasts**
  - Hurricane Forecast Improvement Project (HFIP)
  - Multi-function Phased Array Radar (MPAR)
  - Aviation weather
  - Increased lead time from minutes to an hour or more
- **Ecosystem understanding**
  - Ocean acidification monitoring and research
  - Ocean exploration and research
  - Fisheries tools and applications
- **Earth system modeling**
  - Integrated climate/environmental models
  - Integrated ecosystem-stock assessment modeling





"All parts of NOAA benefit from OAR's work to incubate fundamentally new approaches to mission-centered science, a capability best sustained by maintaining a nimble, freestanding OAR line office." - National Academy of Public Administration (2010)

PROPOSED NATIONAL ENVIRONMENTAL SATELLITE SERVICE (NESS)



NOAA HEADQUARTERS ORGANIZATION

CORPORATE FUNCTIONS

General Counsel
Lois Schiffer

Under Secretary of Commerce for Oceans & Atmosphere & Administrator
Dr. Jane Lubchenco

Assistant Secretary
Conservation & Management/Deputy Administrator
Dr. Larry Robinson

Assistant Secretary
Environmental Observation & Prediction/Deputy Administrator
Vacant

Chief Scientist
Vacant

Principal Deputy Under Secretary for Oceans & Atmosphere
Monica Medina

Deputy Under Secretary for Operations
Mary M. Glackin

Chief of Staff
Margaret Spring

Policy Director, Senior Advisor to Under Secretary
Sally Yozell

Deputy Chief of Staff & Program Coordination
Jim Anderton

Military Affairs
CAPT Ashley Evans, USN
LT Col Steve Cobosky, USAF

Decision Coordination & Executive Secretariat
Kelly Quickle

Deputy Assistant Secretary for International Fisheries
Russell Smith

Senior Advisor for International Affairs
Dr. James Turner

Strategic Initiatives & Partnerships
Vacant

Legislative & Intergovernmental Affairs
John Gray

Education
Louisa Koch

Communications & External Affairs
Justin Kenney

Federal Coordinator for Meteorology
Sam Williamson

Acquisition & Grants
Mitchell J. Ross

Office of Marine & Aviation Operations
RADM Jonathan W. Bailey

Chief Administrative Officer
William Broglie

Workforce Management
Sandra Manning

Chief Financial Officer
Maureen Wylie

Chief Information Officer/ High Performance Computing & Communications
Joe Klimavicz

LINE OFFICES

Assistant Administrator
National Marine Fisheries Service (NMFS)
Eric Schwaab

Deputy Assistant Administrator for Operations
John Oliver

Deputy Assistant Administrator for Regulatory Programs
Samuel Rauch

Director of Scientific Programs & Chief Science Advisor
Vacant

NMFS ORGANIZATION

Assistant Administrator
National Ocean Service (NOS)
David Kennedy

Deputy Assistant Administrator
Juliana Blackwell (A)

NOS ORGANIZATION

Assistant Administrator
National Environmental Satellite, Data & Information Service (NESDIS)
Mary Kicza

Deputy Assistant Administrator
Charles Baker

Deputy Assistant Administrator, Systems
Abigail Harper

NESDIS ORGANIZATION

Assistant Administrator
Oceanic & Atmospheric Research (OAR)
Craig McLean (A)

Deputy Assistant Administrator for Laboratories & Cooperative Institutes
Dr. Alexander "Sandy" MacDonald

Deputy Assistant Administrator for Programs & Administration
Judith Gray (A)

OAR ORGANIZATION

Assistant Administrator
National Weather Service (NWS)
Dr. Jack Hayes

Deputy Assistant Administrator
Laura Furgione

NWS ORGANIZATION

Assistant Adminstrator
Program Planning & Integration (PPI)
Dr. Paul Doremus

PPI ORGANIZATION

PROPOSED
NOAA HEADQUARTERS ORGANIZATION

CORPORATE FUNCTIONS

General Counsel

Under Secretary of Commerce for Oceans & Atmosphere & Administrator

- Assistant Secretary Conservation & Management/Deputy Administrator
- Assistant Secretary Environmental Observation & Prediction/Deputy Administrator
- Chief Scientist
- Principal Deputy Under Secretary for Oceans & Atmosphere
- Deputy Under Secretary for Operations

Chief of Staff

- Policy Director, Senior Advisor to Under Secretary
- Deputy Chief of Staff &
- Program Coordination
- Military Affairs
- Decision Coordination & Executive Secretariat

Deputy Assistant Secretary for International Fisheries

- Senior Advisor for International Affairs
- Strategic Initiatives & Partnerships
- Legislative & Intergovernmental Affairs
- Education
- Federal Coordinator for Meteorology
- Communications & External Affairs

- Acquisition & Grants
- Office of Marine & Aviation Operations
- Chief Administrative Officer
- **Strategic Planning & Evaluation**
- Chief Financial Officer
- Workforce Management
- Chief Information Officer/HP Computing & Communications

LINE OFFICES

Assistant Administrator
National Marine Fisheries Service (NMFS)

- Deputy Assistant Administrator for Operations
- Deputy Assistant Administrator for Regulatory Programs
- Director of Scientific Programs & Chief Science Advisor

NMFS ORGANIZATION

Assistant Administrator
National Ocean Service (NOS)

- Deputy Assistant Administrator

NOS ORGANIZATION

Assistant Administrator
National Environmental Satellite Service (NESS)

- Deputy Assistant Administrator
- Deputy Assistant Administrator, Systems

NESDIS ORGANIZATION

Assistant Administrator
Oceanic & Atmospheric Research (OAR)

- Science Director
- Deputy Assistant Administrator for Programs & Administration

OAR ORGANIZATION

Assistant Administrator
National Weather Service (NWS)

- Deputy Assistant Administrator

NWS ORGANIZATION

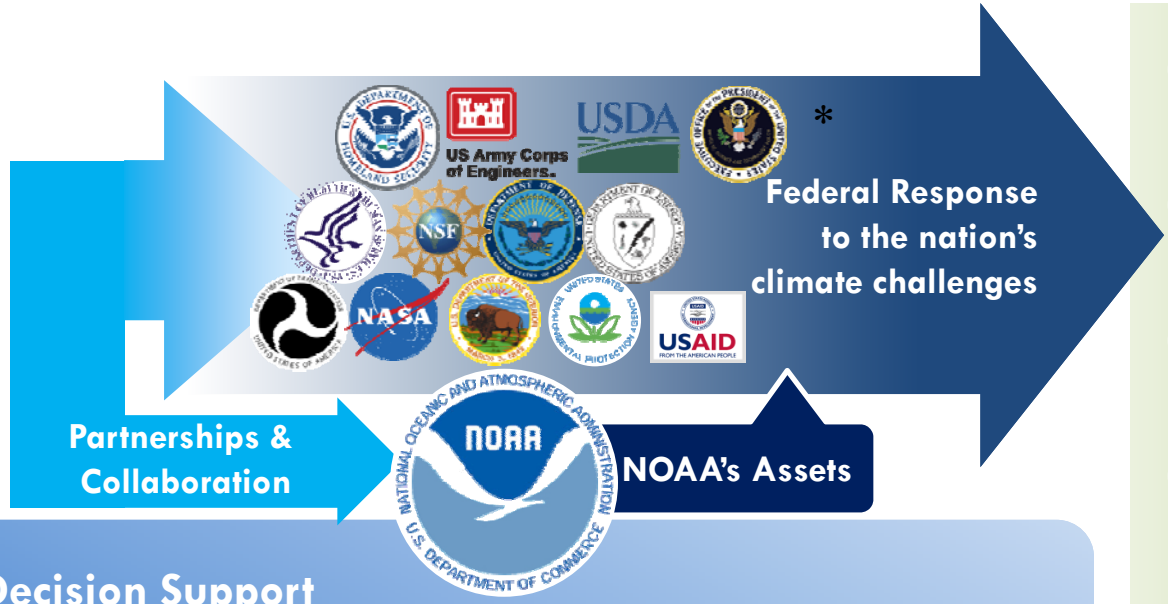
Assistant Adminstrator
Climate Service (CS)

- Deputy Assistant Administrator

CS ORGANIZATION

What we heard…	From …	What we did…
NOAA needs to prioritize what a climate service will do, in order to not be overrun by requests	Congress, NAPA	• Developed the draft Strategic Vision and Framework document
NOAA needs to ensure that climate science will not be politically influenced and is not prescribing policy	Congress	• Clarified mission statement and the Vision and Framework Document • Separated research and service into distinct climate service branches • Climate Service to include a science advisor for integrity, data quality issues
NOAA is diminishing its research capability by moving climate research out of OAR	Congress	• Reorganization does not reduce any research in NOAA; only reorganizes it. • Designating OAR AA as cross-NOAA research portfolio manager, and science advisor to senior scientist. • Reestablished NOAA Chief Scientist
NOAA needs to coordinate with other federal agencies	Congress, NAPA	• Administration has established the Climate Information and Services Roundtable. • NOAA recognizes this need, and is participating in formal and informal interagency processes.
Advance dialogue around February announcement was insufficient	Congress	• Meeting regularly to discuss plans and progress prior to seeking approval. • Public comment period on Strategic Vision and Framework document

NOAA commits to providing critical assets in science and service to a Federal partnership



Information Delivery and Decision Support

NOAA uses its national and regional infrastructure to deliver climate services today

Assessments of Climate Change and Impacts

NOAA is a leader in national and regional climate impact assessments
Over 70% of Federal IPCC AR4 WG1 authors were from NOAA

Climate Change Research and Modeling

International recognized models of the global climate

Climate Observations and Monitoring

NOAA operates over 90 observation and monitoring systems
NOAA is mandated to monitor and provide access to climate data and information

*
- Security
- Forestry
- Water
- Health
- Infrastructure
- Global
- Land Management
- Oceans
- Energy
- Other

*Representative Organizations & Sectors

QUESTIONS?

BACKUP


DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

NOAA
U.S. DEPARTMENT OF COMMERCE

NAPA Proposal