

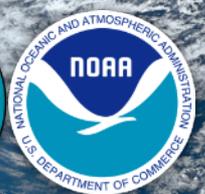
CONTEXT FOR THE REVIEW

Steven Fine, Ph.D.

Deputy Assistant Administrator for
Laboratories & Cooperative
Institutes

Office of Oceanic & Atmospheric
Research

May 12, 2015





NOAA'S NEXT GENERATION STRATEGIC PLAN GOALS

Healthy Oceans



Weather Ready Nation



Climate Adaptation & Mitigation



Resilient Coastal Communities & Economies



SCIENCE & TECHNOLOGY





America's Environmental Intelligence Agency: 2014 - 2018 Priorities

MONITORING

MODELING



OBSERVATIONS

ASSESSMENT

FORECAST & PRODUCTS



Provide information and services to make communities more resilient



Evolve the Weather Service



Invest in observational infrastructure



Achieve organizational excellence





NOAA'S ORGANIZATION

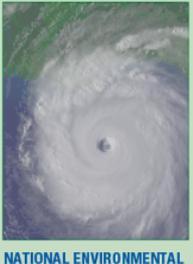
LINE OFFICES



NATIONAL MARINE FISHERIES SERVICE



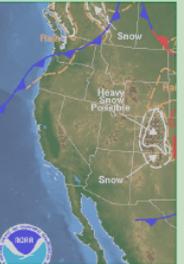
NATIONAL OCEAN SERVICE



NATIONAL ENVIRONMENTAL SATELLITES & DATA INFORMATION SERVICE



OCEANIC & ATMOSPHERIC RESEARCH



NATIONAL WEATHER SERVICE



OFFICE OF MARINE AND AVIATION OPERATIONS

LEADERSHIP

Assistant Administrator
Oceanic & Atmospheric
Research (OAR)

Craig McLean

Deputy Assistant Administrator
Programs & Administration

Ko Barrett (A)

Deputy Assistant Administrator
Laboratories & Cooperative Institutes

Dr. Steven Fine

Chief Science Advisor

Dr. Alexander MacDonald

PROGRAMS

Climate Program Office

Dr. Wayne Higgins

National Sea Grant
College Program

Dr. Nikola Garber (A)

Office of Ocean
Exploration & Research

Dr. Alan Leonardi

Office of Weather &
Air Quality

Dr. John Cortinas

Ocean Acidification
Program

Dr. Libby Jewett

LEADERSHIP/HQ STAFF OFFICES

Chief Financial Officer &
Chief Administrative
Officer

Jason Donaldson

Office of Policy,
Planning & Evaluation

Dr. Gary Matlock

International Activities

René Eppi

Communications Office

Barry Reichenbaugh

HQ OFFICES

Laboratories & Cooperative
Institutes

Dr. Mike Uhart

Science Advisory Board

Dr. Cynthia Decker

IT Management Office /
Assistant CIO For Research

Jeremy Warren

LABORATORIES

Air Resources Laboratory

Dr. Steven Fine

Atlantic Oceanographic &
Meteorological Laboratory

Dr. Robert Atlas

Geophysical Fluid
Dynamics Laboratory

**Dr. Venkatchalam
Ramaswamy**

Earth System Research
Laboratory

**Dr. Alexander E.
MacDonald**

*Global Monitoring Division
Physical Sciences Division
Chemical Sciences Division
Global Systems Division*

Great Lakes Environmental
Research Laboratory

Deborah Lee

National Severe Storms
Laboratory

Dr. Steven Koch

Pacific Marine
Environmental Laboratory

Dr. Chris Sabine





OAR'S VISION & MISSION



To be a trusted world leader in observing, modeling, understanding and predicting the Earth system.

VISION



To conduct research to understand and predict the Earth system; develop technology to improve NOAA science, service and stewardship; and transition the results so they are useful to society.

MISSION



POWER OF PARTNERSHIPS

Labs
Programs
Partners

Key OAR Partners:
Cooperative Institutes
and Sea Grant Programs





COOPERATIVE INSTITUTES

Are NOAA supported, non-federal organizations located at degree-granting institutions whose research reinforces NOAA's mission and priorities

Are often colocated and collaborate directly with NOAA's diverse research communities, programs and labs

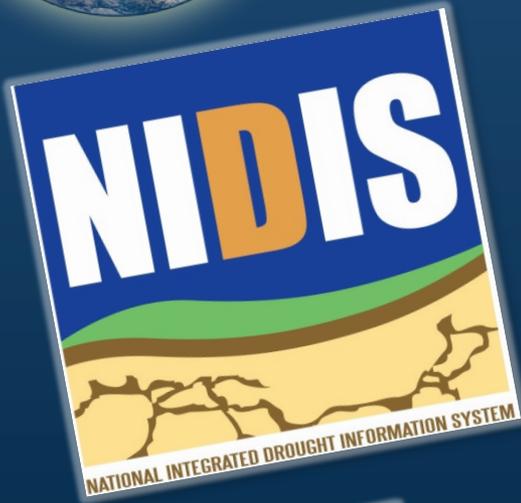
Have portfolios ranging from satellite climatology and fisheries biology to atmospheric chemistry and coastal ecology

Provide complementary scientific expertise

Widen pool of young scientists in topics of interest to NOAA



PSD RESEARCH DRIVERS



LEGISLATIVE DRIVERS

- National Weather Service Organic Act (1890)
- United States Weather Research Program Act (1992)
- National Climate Program Act (1978)
- Global Change Research Act (1990)
- National Integrated Drought Information Act Reauthorization (2014)



POLICY DRIVERS

- Department of Commerce Strategic Plan
- NOAA 20-Year Vision (2005)
- NOAA Next Generation Strategic Plan (2010)
- NOAA Five-Year Research and Development Plan (2013)
- OAR Strategic Plan (2014)
- The President's Climate Action Plan (2013)
- U.S. National Global Change Research Plan



PSD RESEARCH DRIVERS

GUIDANCE

NRC Reports

- Completing the Forecast: Characterizing and Communicating Uncertainty for Better Decisions Using Weather and Climate Forecasts
- Assessment of Intraseasonal to Interannual Climate Prediction and Predictability
- Weather Services for the Nation: Becoming Second to None
- When Weather Matters: Science and Services to Meet Critical Societal Needs

NOAA Science Workshop Challenge Workshop Reports

- Strengthening NOAA Science (P. Sandifer and R. Dole, co-chairs)
- Toward Understanding and Predicting Regional Climate Variations and Change (R. Dole, chair)
- Understanding the Water Cycle (F.M. Ralph, chair)
- Predicting Arctic Weather and Climate and Related Impacts (R. Dole, chair)

WMO, WWRP and WCRP Reports and Planning Documents

WWRP Polar Prediction Project, Subseasonal to Seasonal Prediction



NOAA'S FUNDING PROCESS



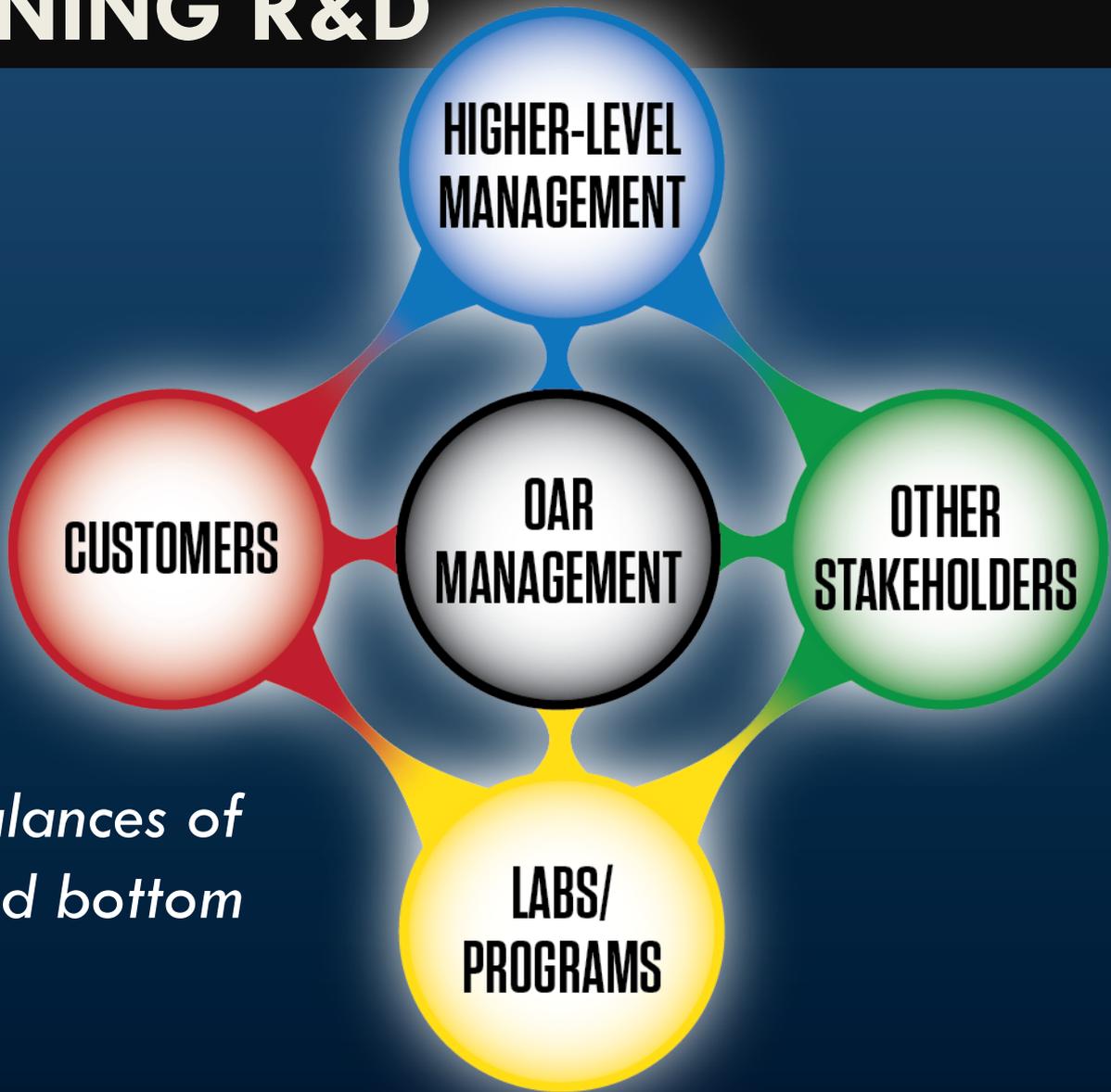


NOAA'S FUNDING PROCESS





NOTIONAL APPROACH TO PLANNING R&D



Various balances of input from top and bottom



CHARGE TO REVIEWERS



QUALITY: Assess quality of lab's R&D



RELEVANCE: Assess lab's R&D relevance to NOAA's mission & value to Nation



PERFORMANCE: Assess overall effectiveness of lab's plans & R&D in meeting NOAA's Strategic Plan objectives & Nation's needs



HOW OAR USES YOUR REVIEW

Inform performance improvements and portfolio management;

Encourage innovative and collaborative approaches to meet goals and objectives;

Assess research contributions and clearly articulate the value of the research toward achieving the NOAA mission and as appropriate interagency goals;

Evaluate for stakeholders the outcomes of OAR research, development, and transition; and

Highlight directions for future strategic plans.

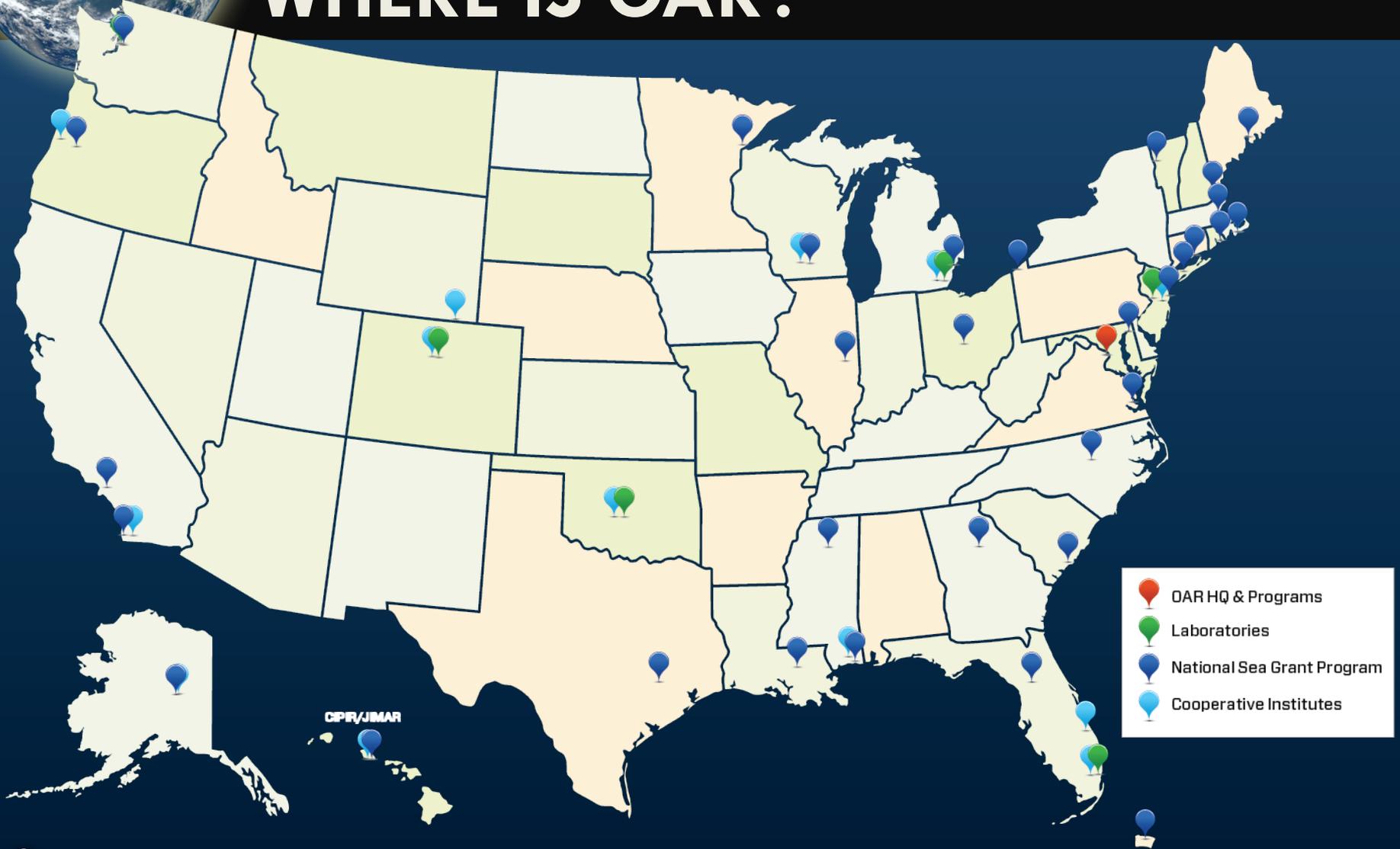


BACKUP SLIDES





WHERE IS OAR?



-  OAR HQ & Programs
-  Laboratories
-  National Sea Grant Program
-  Cooperative Institutes

