

CONTEXT FOR THE REVIEW

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Deputy Assistant Administrator for Laboratories &
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Office of Oceanic & Atmospheric Research

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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

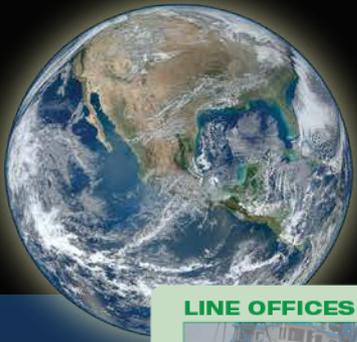


Invest in observational infrastructure



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 & AVIATION OPERATIONS

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Oceanic & Atmospheric Research (OAR)
Craig McLean

Deputy Assistant Administrator
Programs & Administration
Ko Barrett (A)

Chief Science Advisor
Dr. Alexander MacDonald

Deputy Assistant Administrator
Laboratories & Cooperative Institutes
Dr. Steven Fine

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Communications Office Barry Reichenbaugh	

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National Sea Grant College Program Dr. Nikola Garber (A)	Ocean Acidification Program Dr. Libby Jewett
Office of Weather & Air Quality Dr. John Cortinas	Unmanned Aircraft Systems Program Robbie Hood

LABORATORIES

Earth System Research Laboratory Dr. Alexander E. MacDonald	Global Monitoring Division Physical Sciences Division Chemical Sciences Division Global Systems Division
Air Resources Laboratory Dr. Steven Fine	Atlantic Oceanographic & Meteorological Laboratory Dr. Robert Atlas
Great Lakes Environmental Research Laboratory Deborah Lee	National Severe Storms Laboratory Dr. Steven Koch
Geophysical Fluid Dynamics Laboratory Dr. Venkatachalam Ramaswamy	Pacific Marine Environmental Laboratory Dr. Chris Sabine

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Laboratories & Cooperative Institutes Dr. Mike Uhart
Science Advisory Board Dr. Beth Turner (A)
IT Management Office / Assistant CIO For Research Jeremy Warren
Technology Partnerships Office Kelly Wright





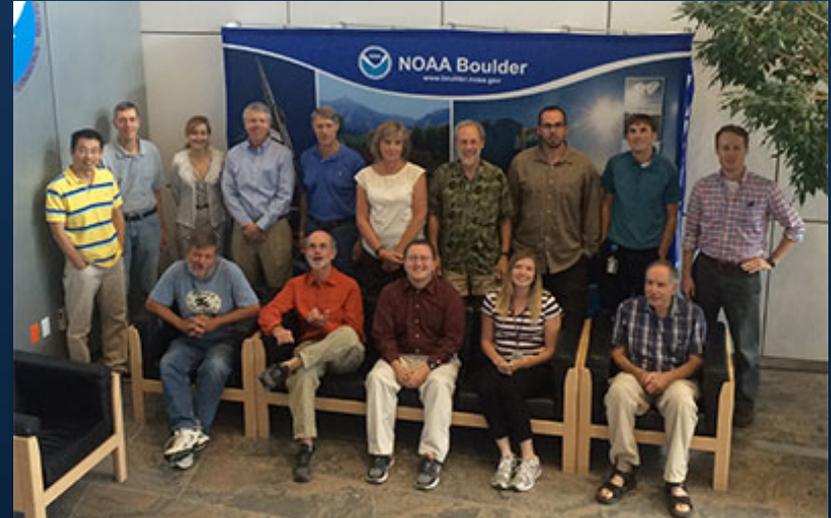
OAR'S VISION & MISSION



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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 co-located 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





GSD RESEARCH DRIVERS

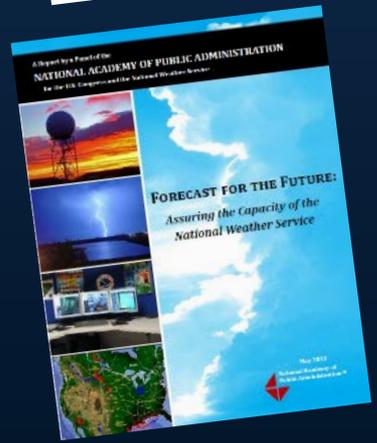
LEGISLATIVE DRIVERS

- Disaster Relief Appropriations Act of 2013
- High Performance Computing and Communications Act of 1991
- National Weather Service Organic Act (15 U.S.C. §313)
- United States Weather Research Program (USWRP), (15 U.S.C. § 313c)
- Weather and Windstorm Impact Reduction (42 U.S.C. § 15701-15707)
- Meteorological Services to Support Aviation (49 U.S.C. 44720)
- America Competes Act (33 U.S.C. §§ 893, 893a, 893b)



POLICY DRIVERS

- Weather Bureau Technical Note 2-NSSL23 (1964)
- National Research Council - Completing the Forecast: Characterizing and Communicating Uncertainty for Better Decisions Using Weather and Climate Forecasts (2006)
- NOAA Five-Year Research and Development Plan (2013-2017)
- NOAA Annual Guidance Memorandum FY2016-2020
- NOAA Next Generation Strategic Plan (2010)
- NWS Strategic Plan (2011)
- National Research Council Report: Weather Services for the Nation: Becoming Second to None (2012)
- National Academy of Public Administration (for the U.S. Congress): Forecast for the Future: Assuring the Capacity of the National Weather Service (2013)
- OAR Strategic Plan (2014)
- President's Climate Action Plan (2013), cites "Cutting Carbon Pollution from Carbon Plants" and "Promoting American Leadership in Renewable Energy"
- Global Earth Observing Systems of Systems (www.earthobservations.org/geoss.shtml)





GSD RESEARCH DRIVERS

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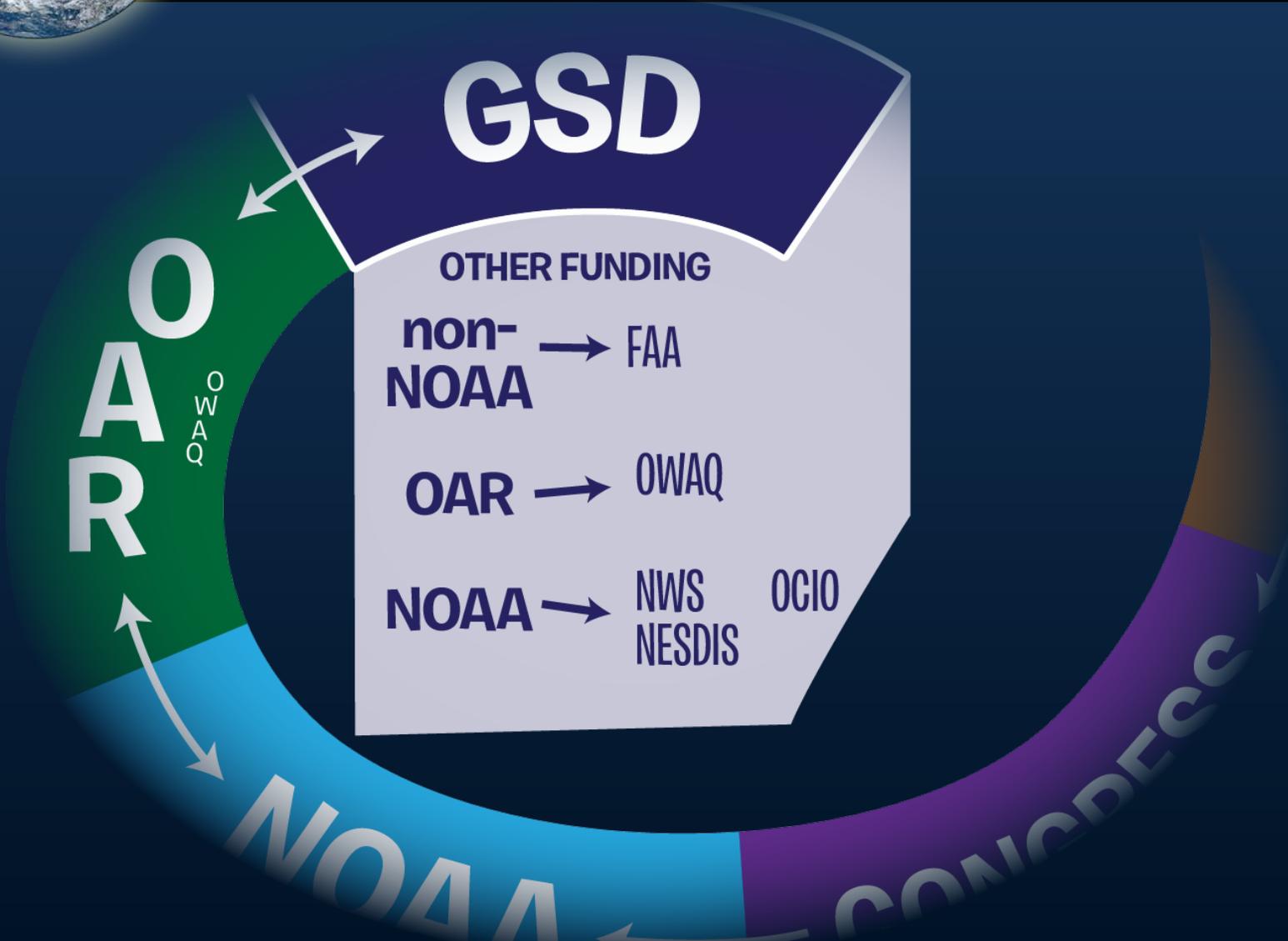


NOAA'S FUNDING PROCESS



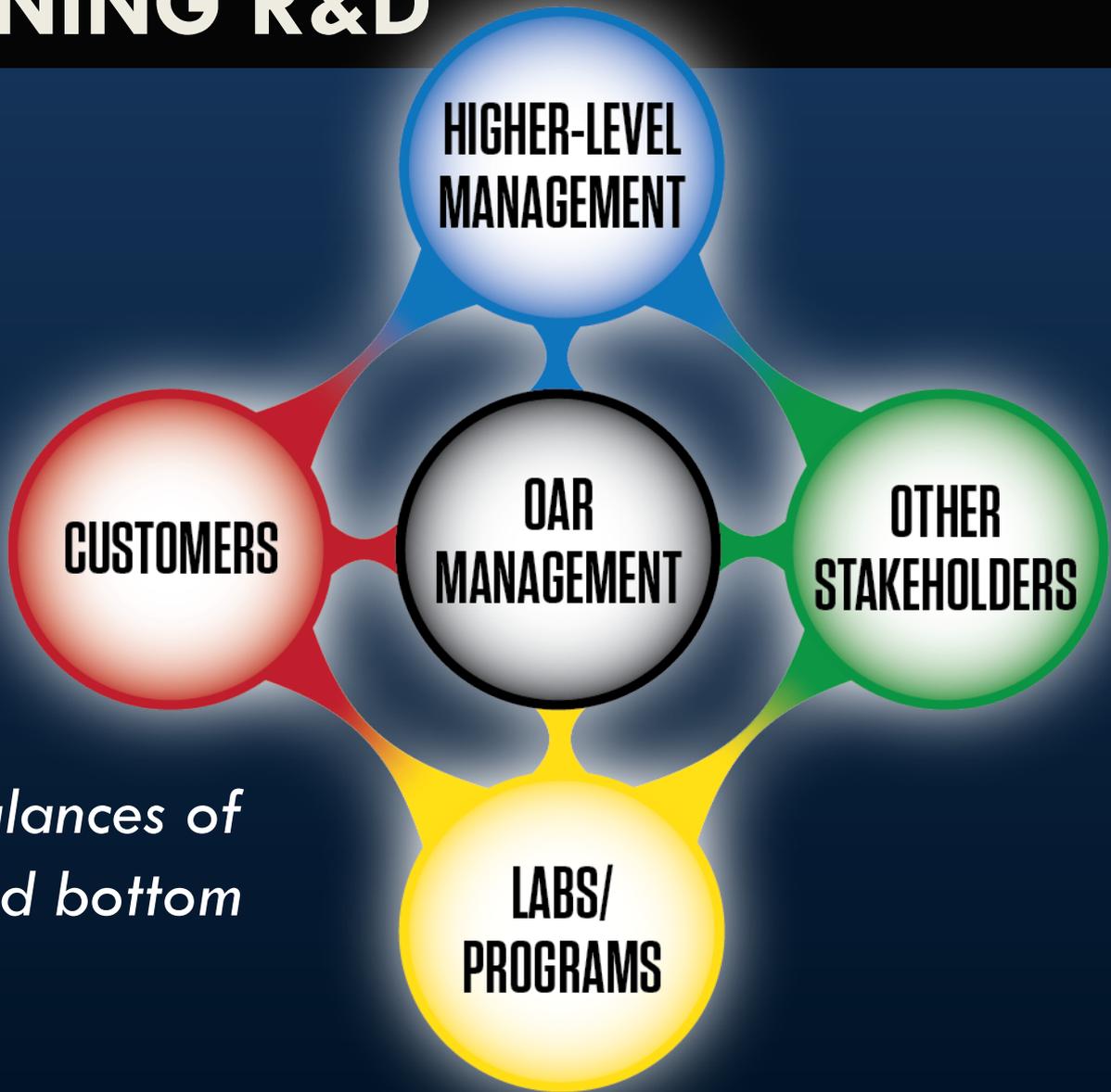


NOAA'S FUNDING PROCESS





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 the outcomes of OAR research, development, and transition; and

Highlight directions for future strategic plans.





WHERE IS OAR?

