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Overview of NOAA Research and Context for the Review

Gary Matlock, Ph.D.

Deputy Assistant Administrator for Science Office of Oceanic & Atmospheric Research November 16, 2020





NOAA HEADQUARTERS ORGANIZATION















CORPORATE FUNCTIONS

Chief Scientist Dr. Ryan Maue

Deputy Assistant Secretary for International Fisheries **Andrew Lawler**

Military Liaisons

U.S. Coast Guard Liaison CDR Héctor L. Casanova, NOAA

Liaison to the Oceanographer of the Navy LCDR Justin Keesee, NOAA

Office of the Federal Coordinator for Meteorology Michael Bonadonna

Assistant Secretary of Commerce for Environmental Observation and Prediction, Performing the duties of Under Secretary of Commerce for Oceans and Atmosphere

Dr. Neil Jacobs

Assistant Secretary of Commerce for Oceans and Atmosphere and Deputy NOAA Administrator

RDML Timothy Gallaudet, Ph.D., USN Ret.

Deputy Assistant Secretary of Commerce for Oceans and Atmosphere Eugenio Piñeiro-Soler

Deputy Assistant Secretary of Commerce for **Environmental Observation and Prediction** Dr. David Legates

Deputy Under Secretary for Operations Benjamin Friedman

> Chief of Staff Dr. Erik Noble

Deputy Chief of Staff Michael Weiss

Senior Policy Advisors **Taylor Jordan** Brandon Elsner

Communications Scott Smullen (A)

International Affairs Elizabeth McLanahan

Decision Coordination & **Executive Secretariat** Kelly Quickle

Legislative & Intergovernmental Affairs Wendy Lewis

> Education Louisa Koch

General Counsel John Luce

Acquisition & Grants Jeffrey Thomas

Chief Administration Officer **Deirdre Jones**

Chief Financial Officer Mark Seiler

CIO/HP Computing & Communications Zach Goldstein

Office of Human **Capital Services** Sean Clayton

Office of Inclusion & Civil Rights Kenneth M. Bailey

LINE OFFICES

NMFS

Assistant Administrator National Marine Fisheries Service **Chris Oliver**

Deputy Assistant Administrator for Operations **Paul Doremus**

Deputy Assistant Administrator for Regulatory Programs Sam Rauch

Director of Scientific Programs & Chief Science Advisor Dr. Cisco Werner

Assistant Administrator National Ocean Service Nicole LeBoeuf (A)

Deputy Assistant Administrator Dr. Steve Thur (A)

Assistant Administrator National Environmental Satellite, Data & Information Service Dr. Stephen Volz

Deputy Assistant Administrator Mark S. Paese

Assistant Administrator Oceanic & Atmospheric Research Craig McLean

Deputy Assistant Administrator for Laboratories & Cooperative Institutes Dr. Gary Matlock

Deputy Assistant Administrator for Programs & Administration Ko Barrett

Assistant Administrator National Weather Service Dr. Louis Uccellini

> Deputy Assistant Administrator Mary Erickson

Director Office of Marine & **Aviation Operations** & Director, NOAA Corps **RADM Michael Silah**

Deputy Director for Operations and Deputy Director, NOAA Corps **RDML Nancy Hann**

Deputy Assistant Administrator for Programs and Administration Randy TeBeest

Kev: (A) = Acting Last updated 10/8/20





OAR Leadership

















Craig McLean
Assistant Administrator for
Oceanic & Atmospheric
Research



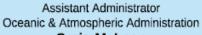
Ko Barrett
Deputy Assistant
Administrator for Programs
and Administration



Dr. Gary Matlock
Deputy Assistant
Administrator for Science







Craig McLean



Deputy Assistant Administrator Programs & Administration

Ko Barrett

Deputy Assistant Administrator Science

Dr. Gary Matlock



HQ STAFF OFFICES

Chief Financial Officer & Chief Administrative Officer

David Holst

EEO/Diversity

Nicole Mason

International Activities

Rene Eppi

Communications

Michael Murphy

Policy, Planning &

Evaluation



Climate Program Office & Observing Program Dr. Wayne Higgins Dr. David Legler

National Sea Grant

College Program

Dr. Jonathan Pennock

Weather Program Office

Vacant

Office of Ocean Exploration & Research

Ocean Acidification

Dr. Libby Jewett

Program

Dr. Alan Leonardi

Global Ocean Monitoring



Air Resources Laboratory

Vacant

Chemical Sciences

Laboratory

Dr. David Fahey

Earth Systems Research Laboratories

Global Systems Laboratory

Jennifer Mahoney

Great Lakes Environmental Research Laboratory

Deborah Lee

National Severe Storms Laboratory

Dr. Jack Kain

HQ OFFICES

IT Management Office/Assistant CIO for Research

Office of Science Support

Jeremy Warren



Dr. Gary Matlock (A)

NOAA Central & Regional

Dierdre Clarkin

Science Advisory Board

Dr. Cynthia Decker

Office of Research, **Transition & Application**

R2X Coordination

Vacant

Libraries

Technology Partnerships Office

Kelly Wright





Atlantic Oceanographic &

Dr. John Cortinas

Meteorological

Global Monitoring

Physical Sciences

Geophysical Fluid

Ramaswamy

Pacific Marine &

Dr. Michelle

McClure

Dynamics Laboratory

Dr. Venkatachalam

Environmental Laboratory

Dr. Robert Webb

Laboratory

Dr. James Butler

Laboratory

Laboratory



OAR'S VISION & MISSION















Deliver NOAA's Future

VISION



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





NOAA Mission: Science, Service, **Stewardship**

















PSL's Vision

An informed society that uses sciencebased environmental intelligence to effectively anticipate and respond to threats and opportunities related to weather, water and climate extremes.









PSL's vision and research directly supports the DOC, NOAA and OAR Objectives







Issued 10/3/2016; Effective 10/3/2016; Last Reviewed: 11/27/2018

SECTION 1. PURPOSE

.01 As a science-based services agency, The National Oceanic and
Atmospheric Administration (NOAA) maintains a robust, high quality
research and development (R&D) portfolio that continually improves NOAA's products and services in
response to:

NORA

Effective: March 27, 2015





- Changes in NOAA's mission needs in response to evolving environme the Legislative, Judicial and Executive branches;
- 3. Emerging understanding of the dynamic Earth system and its ecosystem
- 4. Innovations in R&D methods, tools and approaches; and
- NOAA's role in cooperative environmental research and management



NOAA NAO 216-115A
establishes the principles,
policies, and responsibilities by
which Research and
Development (R&D) throughout
NOAA can be continually
reviewed, evaluated and
rebalanced in light of evolving

mission needs.



Attachments

>> Handbook

» View NAO 216-115A 🔎

Office of Oceanic & Atmospheric Research Delegations & Directives

CIRCULAR NUMBER: 216-3

SUBJECT: OAR Laboratory and Program Science Reviews

SECTION 1. PURPOSE

.01 This policy establishes the authorities and responsibilities for managing regular and recurring science reviews of the quality, relevance, and performance of individual programs (hereafter referred to as programs) and laboratories to evaluate their success in achieving intended outcomes through research, development, and transition activities conducted by and through National Oceanic and Atmospheric Administration's (NOAA) Office of Oceanic and Atmospheric Research (OAR) laboratories and programs.

OAR CIRCULAR NUMBER: 216-3 establishes the authorities and responsibilities for managing regular and recurring science reviews.







2014-2020 Strategic Documents

Oceanic and Atmospheric Research

Strategic Plan













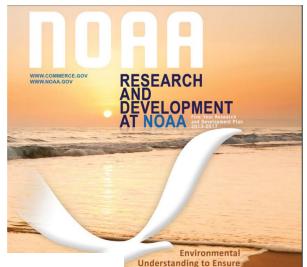


HELPING THE A

ECONOI

NOAA'S NEXT-GENERATION STRATEGIC PLAN

DECEMBER 2010



America's Vital and

Sustainable Future





Physical Sciences Division Strategic Plan 2016-2020







HOW OAR USES REVIEW















Maintain consistency with NOAA strategic planning, budgeting & execution







Locate communication strengths & weaknesses between labs/offices/ leadership

Assist labs and programs in strategically planning future science.







OAR Goals Looking Ahead (2020-2026)





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Four goals reflect what OAR desires to achieve, where to focus activities, and, ultimately, how to improve the organization's ability to deliver NOAA's future. The objectives, nested under each goal, are the areas of focus needed to help OAR achieve its goals.



Increase knowledge of the oceans, coastal areas, and Great Lakes to support resource management and public awareness.

Detect Changes in the Ocean and Atmosphere

Produce, analyze, and interpret observation records to understand the Earth system and inform the public.

Make Forecasts
Better

Improve accuracy, precision, and efficiency of forecasts and predictions to save lives and property and support a vibrant economy. Drive Innovative

Cultivate and deliver mission-relevant research to lead the environmental science community.







PSL Leadership





Dr. Robert Webb became the director of the Physical Science Laboratory in January 2014.

















