



# RESEARCH

NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION

## OAR Portfolios GOMO Program Review July 11, 2022





# History & Purpose of OAR's Portfolios



Office of Oceanic & Atmospheric Research  
Delegations & Directives

CIRCULAR NUMBER: 222.1

EFFECTIVE: January 1, 2016

Subject: Appointment of the Office of Oceanic and Atmospheric Research Portfolio Stewards

## Section 1. Introduction.

The Office of Oceanic and Atmospheric Research (OAR) seeks to improve its performance and reputation for mission-oriented support by bringing focus to its internal communication, coordination and collaboration across each of the mission areas of the National Oceanic and Atmospheric Administration (NOAA) Strategic Plan. To date, efforts have produced rewards in our budget and expanded partnerships within and beyond NOAA, including with the academic community, our constituents, and the private sector.

To enhance and expand upon this success, the OAR Assistant Administrator (AA) is appointing three Portfolio Stewards, beginning January 1, 2016, to serve as knowledgeable, experienced, and engaged coordinators to guide collaborative activities in the Climate, Weather, and Oceans/Coasts/Great Lakes portfolios in OAR. The purpose of the Portfolio Steward position is to enhance the communication, coordination, and collaboration across OAR, and to serve as a Point of Contact between OAR and other NOAA Line and Staff Organizations, and with partners in other federal agencies, academia, the private sector, and internationally at the peer level in order to achieve improved efficiency and awareness in mission performance.

## Section 2. Roles and Responsibilities of Portfolio Stewards.

Specifically, the OAR Portfolio Stewards will:

- .01 Maintain a contemporary awareness of the programmatic, research, and service portfolio activities within the domain of the NOAA Strategic Plan Goal for which they are responsible, including alignment with the Department of Commerce (DOC) strategic goals/objectives, and the OAR strategic plan.
- .02 Engage with program Stewards or positions of similar responsibility within OAR and in other Line Organizations to assess, coordinate, and address, as feasible, the research and service needs of other mission areas of NOAA that can benefit from OAR science and contributions of effort.
- .03 Serve as a Point of Contact for communication, coordination and collaboration with appropriate entities outside of NOAA in advancing and executing the portfolios in service to NOAA and DOC mission goals.



The Portfolios were established by OAR Circular 222.1 in 2016.

This Circular was revised in 2020.

The purpose of the OAR Portfolios is to enhance communication, coordination, and collaboration across OAR.





# Overview of OAR's 3 Portfolios



## Climate Portfolio

*Portfolio Steward - Wayne Higgins*

*Portfolio Advisor - Neil Christerson*



## Oceans Portfolio

*Portfolio Steward - David Legler*

*Portfolio Advisor - Katie Robinson*



## Weather Portfolio

*Portfolio Steward - Dorothy Koch*

*Portfolio Advisor - Kathryn Mozer*



*Provides support to all three Portfolios*

*Portfolio Analyst - Maureen Brooks*

*Portfolio Analyst - Vacant*



*Ocean, Climate, and Weather Policy Fellow - Steven Hein*

*Portfolio Admin. Support - Vacant*





# Portfolio Focus



*The OAR Climate Portfolio focuses on long-term observations, research to advance understanding, and modeling to improve predictions of our Earth system.*



*The OAR Weather Portfolio focuses on improving understanding and forecasting capabilities for near-term (minutes to 2 years) high-impact weather events that endanger lives and property.*



*The OAR Oceans Portfolio focuses on improving understanding of habitats, processes, and resources in the oceanic, coastal, and Great Lakes environments.*



***GOMO is a member of the Oceans Portfolio***

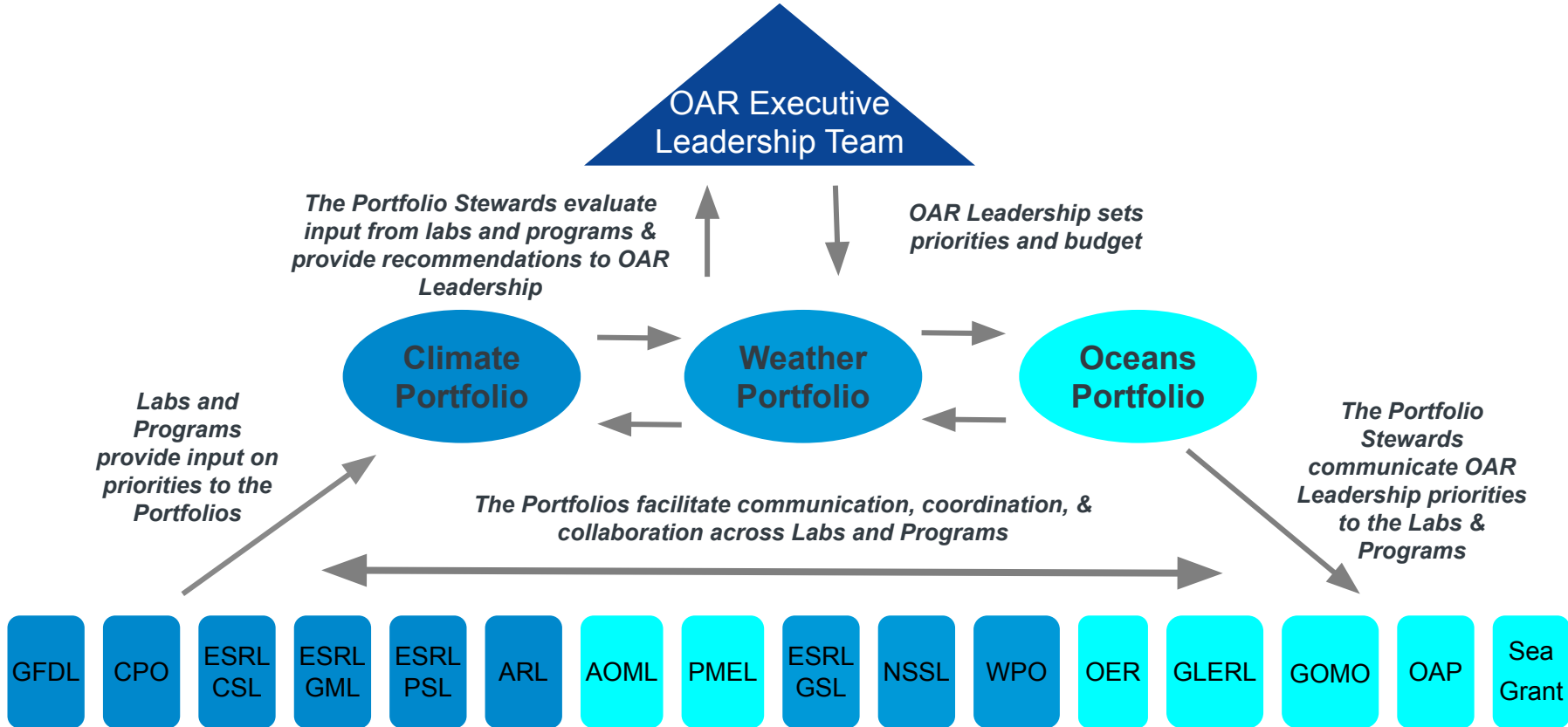
***The GOMO Director is currently the Oceans Portfolio Steward, as determined by the rotation established in OAR Circular 222.1.***

Portfolio & Portfolio Membership is determined by Program, Project, or Activity (PPA) funding





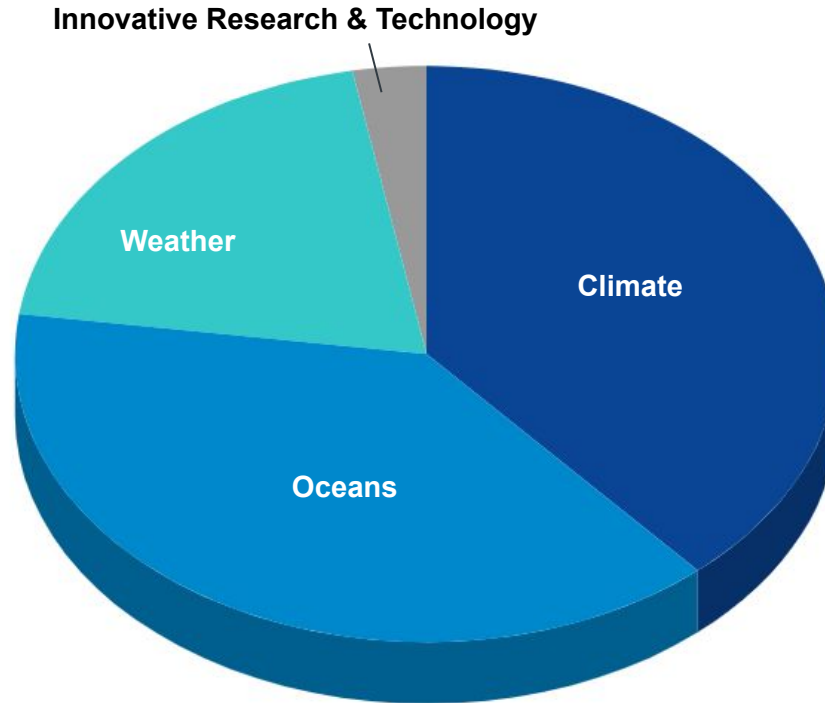
# How the Portfolios Work



# Facilitating effective budget planning and execution



## OAR FY22 Budget





# Examples of GOMO Alignment with the Portfolios



## Produce ocean observations to save lives and property.

- The GOMO Program supports half of the world's ocean observing research and has encouraged the participation of over 100 nations in developing the current distributed ocean observing system. These global ocean observations provide the foundation for describing the changes over time in our ocean, and they are used every day in weather, marine, and ocean prediction models, helping us understand our changing ocean and benefiting those who use the wide range of NOAA products and services.*
- GOMO has led NOAA to sponsor tests of new ocean observing technologies such as Saildrone, deep Argo floats, and specialized gliders. Through international partnerships, GOMO supports capacity building workshops that train scientists in monitoring local ocean conditions. It is currently leading national and international efforts to improve ocean knowledge and observations to increase the fidelity of forecasts of tropical storms and saving lives.*

## Communicate and provide decision support services for resilient communities.

- GOMO supports the annual development of the Arctic Report Card. The Arctic Report Card is a timely and peer-reviewed source for clear, reliable and concise environmental information on the current state of different components of the Arctic environmental system relative to historical records. The Report Card is intended for a wide audience, including scientists, teachers, students, decision-makers and the general public interested in the Arctic environment and science.*





# Looking to the Future

The Portfolios identified the following priorities for FY22 and beyond:

- *Coastal Inundation at Climate Timescales*
- *Precipitation Prediction Grand Challenge and Water Prediction*
- *Climate and Fisheries Initiative*
- *Ocean Atmosphere interactions*
- *Detect ongoing and rapid change in our atmosphere and oceans*
- *Boundary Layer Research*
- *Offshore Wind*
- *Climate Intervention Research (Earth's Radiation Budget / Aerosols)*
- *Carbon dioxide removal (CDR)*
- *Socio-Economic Valuation Work*

The Portfolios will also play a role in facilitating the implementation of OAR and NOAA priorities.

- *Goals of the OAR Strategy 2020-2026:*
  - (1) *Explore the Marine Environment*
  - (2) *Detect Changes in the Ocean & Atmosphere*
  - (3) *Make Forecasts Better*
  - (4) *Drive Innovative Science*
- *NOAA R&D Vision Areas 2020-2026:*
  - (1) *Reducing societal impacts from severe weather and other environmental phenomena*
  - (2) *Sustainable use and stewardship of ocean and coastal resources*
  - (3) *A robust and effective research, development, and transition enterprise*
- *OAR Implementation Plan Outcomes (GOMO Lead)*
  - (1) *Increase the Argo Program to global geographic ocean coverage in its three mission spaces of core Argo, deep Argo, and biogeochemical (BGC) Argo.*
  - (2) *Increase the ability of Arctic communities to deal with future changes in sea ice by providing improved sea-ice prediction skill.*





# Questions?

