



Ocean Research Advisory Panel

Mary M Glackin, Co-Chair

March 7, 2024



Ocean Research Advisory Panel

Congress directed the establishment of the ORAP in Section 1055(c) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021

ORAP's responsibilities are:

1. to advise the OPC on policies and procedures to implement the National Oceanographic Partnership Program;
2. to advise the OPC on matters relating to national oceanographic science, engineering, facilities, or resource requirements;
3. to advise the OPC on improving diversity, equity, and inclusion in the ocean sciences and related fields;
4. to advise the OPC on national ocean research priorities; and
5. any additional responsibilities that the OPC considers appropriate.

Charter approved in May 2022; Membership appointed in August 2023

ORAP management falls under the National Oceanic and Atmospheric Administration (NOAA).



ORAP Membership

Claudia Benitez-Nelson, National Academies' Ocean Studies Board; University of South Carolina

Derek Brockbank, Coastal States Organization

Jorge Corredor, University of Puerto Rico at Mayagüez (retired)

Danielle Dickson, North Pacific Research Board

Tim Gallaudet, Ocean STL Consulting, LLC

Mary Glackin, National Academies' Board on Atmospheric Sciences and Climate

Eunah Hoh, San Diego State University

Sandra Knight, Marine Board of the National Academies' Transportation Research Board; WaterWonks LLC

Tommy Moore, Northwest Indian Fisheries Commission

Christopher Ostrander, Marine Technology Society

Claire B. Paris-Limouzy, Rosenstiel School of Marine, Atmospheric & Earth Science, University of Miami

Purnima Ratilal-Makris, Northeastern University

Edward Saade, Circum-Pacific Council; EJS Solutions

Ana Spalding, Smithsonian Tropical Research Institute; Oregon State University

Amy Trice, Northeast Regional Ocean Council

Maria Tzortziou, The City College of New York, City University of New York

Violet Sage Walker, Northern Chumash Tribal Council

Kawika Winter, Hawai'i Institute of Marine Biology, University of Hawai'i

18 ORAP Members

*Member's bios can be found at the [ORAP Website](#).



Claudia Benitez-Nelson



Derek Brockbank



Jorge Corredor



Danielle Dickson



Tim Gallaudet



Mary Glackin



Eunah Hoh



Sandra Knight



Tommy Moore



Chris Ostrander



Claire Paris-Limouzy



Purnima Ratilal-Makris



Edward Saade



Ana Spalding



Amy Trice



Maria Tzortziou



Violet Sage Walker



Kawika Winter



Ocean Policy Committee

Congress established the Ocean Policy Committee (OPC) in 2021 for the Biden Administration, through the National Defense Authorization Act, to coordinate federal actions on ocean-related matters

Every President since George W. Bush has relied on a body to coordinate ocean policy across the agencies

The OPC is directed to:

- Engage and collaborate with the ocean community on ocean-related matters,
- Facilitate coordination and integration of Federal activities in ocean and coastal waters to inform ocean policy,
- Identify priority ocean science and technology needs, and to
- Leverage resources and expertise to maximize the effectiveness of Federal investments in ocean research

Ocean Policy Committee

Member Agencies Include:

Department of State
Department of Defense
Attorney General, Department of Justice
Department of Interior
Department of Agriculture
Department of Commerce
Department of Transportation
Department of Energy
Department of Homeland Security
Environmental Protection Agency
National Aeronautics and Space Administration
National Science Foundation
National Intelligence
Joint Chiefs of Staff
National Oceanic and Atmospheric Administration
Army Corps of Engineers

Executive Office of the President:

- Council on Environmental Quality
- Office of Science and Technology Policy
- Office of Management and Budget
- National Security Council
- Domestic Policy Council
- National Economic Council
- Office of the Vice President



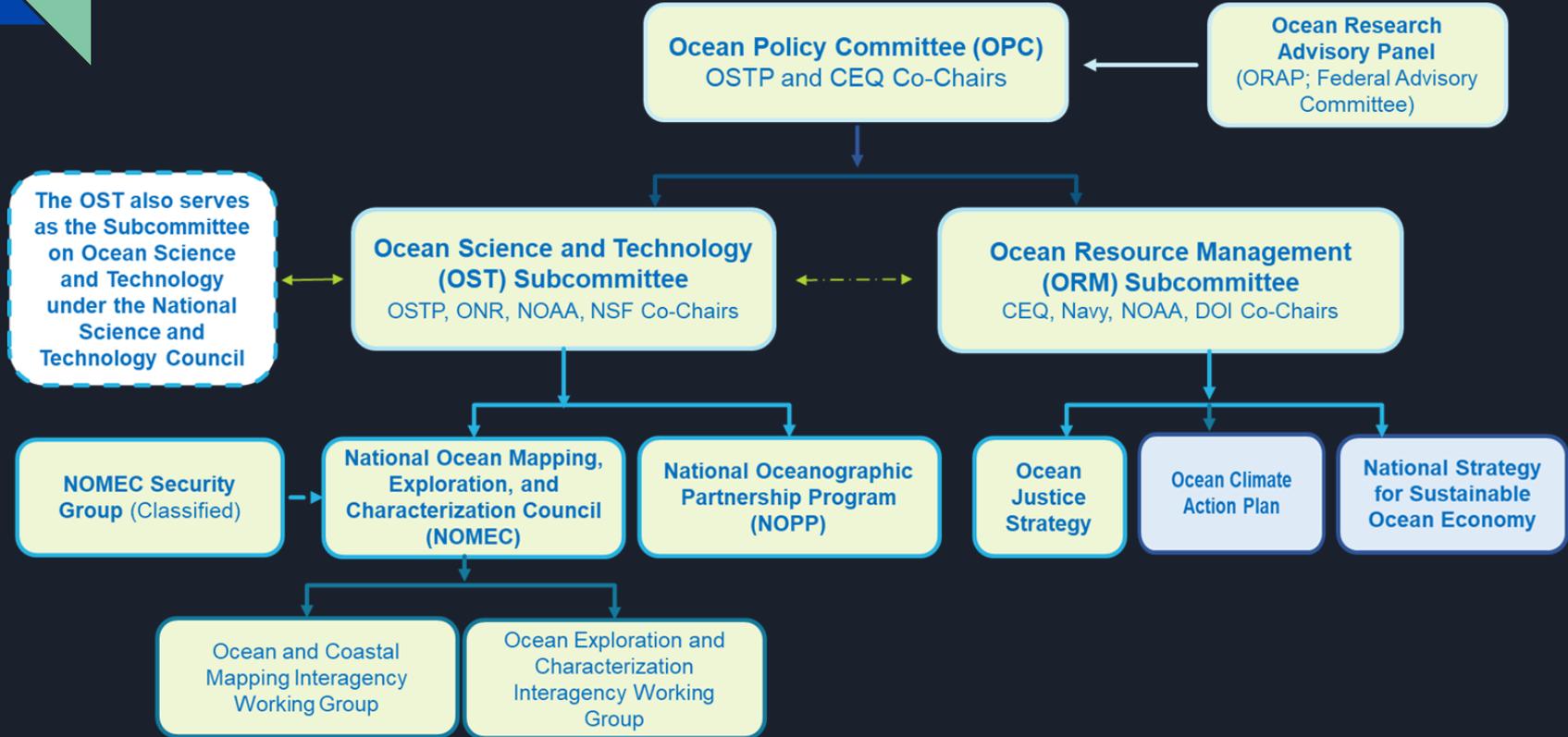
Ocean Policy Committee Co-Chairs:

- Brenda Mallory, Chair, Council on Environmental Quality
- Arati Prabhakar, Assistant to the President for Science and Technology, Director of OSTP

Deputy Co-Chairs:

- Jane Lubchenco, Deputy Director, Climate and Environment, OSTP
- Sara Gonzalez-Rothi, Senior Director for Water, CEQ

Ocean Policy Committee





OPC Action Plan

- Ocean Climate Action Plan
- National Strategy for a Sustainable Ocean Economy
- Ocean Justice Strategy
- Strengthen U.S. Science and Technology (S&T) Enterprise
- National Ocean Mapping, Exploration, and Characterization
- National Oceanographic Partnership Program



ORAP Tasking (Dec 2023 Public Meeting)

Emerging industries in the ocean economy – the Ocean Policy Committee respectfully requests that the ORAP advise on areas of opportunity for partnership (such as through the National Oceanic Partnership Program) on the topic of emerging technology (which could include Artificial Intelligence/Machine Learning, eDNA, and similar technology) with ocean industry and other sectors over the next 5-10 years.



ORAP Approach

Develop a landscape assessment and horizon scan of current and emerging technologies for ocean biogeochemical sensing (e.g., eDNA, microfluidics, optofluidics, lab-on-a-chip) including:

- Current and potential technology applications;
- Technology, market, and industry maturity level;
- Key innovators, manufacturers, adopters;
- Current partnerships and potential partnership opportunities to support market growth and technology adoption, and
- Existing technology and/or industry and market gaps, regulatory inefficiencies, and barriers to success.



ORAP Self Selected Topic: Data Management

Develop a landscape assessment and horizon scan of current ocean data management programs, priorities, and services in the United States including:

- Current federal and non-federal ocean data management programs
- Key federal data centers and repositories
- Existing partnerships and opportunities to leverage, expand, and consolidate data services through new partnerships.
- Regulatory, economic, programmatic, and technical barriers to progress
- Key identified hurdles and challenges
- Key identified potential solutions and recommendations for discussion
- Define “What is success” for this effort?

ORAP Webpage



 National Oceanic and Atmospheric Administration
U.S. Department of Commerce

Search NOAA sites 

Home

Ocean Research Advisory Panel

[Ocean Policy Committee home](#) | [Ocean Research Advisory Panel home](#) | [History](#) | [Membership](#) | [Meetings](#)

The Ocean Research Advisory Panel (ORAP) advises the Ocean Policy Committee (OPC) and provides independent recommendations to the Federal Government on matters of ocean policy. Membership consists of individuals who represent the National Academies of Science, Engineering, and Medicine; individuals who represent the views of ocean industries, state, tribal, territorial or local governments, and academia, and such other views as the co-chairs of OPC consider appropriate; and individuals eminent in the fields of marine science, marine technology, and marine policy, or related fields. The ORAP membership reflects a balance of academic, scientific, and geographic interests.

Authority

Congress directed the establishment of the ORAP in Section 1055(c) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Pub. L. 116-283), [10 U.S.C. 8933](#).

ORAP's responsibilities are (1) to advise the OPC on policies and procedures to implement the National Oceanographic Partnership Program; (2) to advise the OPC on matters relating to national oceanographic science, engineering, facilities, or resource requirements; (3) to advise the OPC on improving diversity, equity, and inclusion in the ocean sciences and related fields; (4) to advise the OPC on national ocean research priorities; and (5) any additional responsibilities that the OPC considers appropriate.

[Membership](#)

Public Meetings

[Upcoming Meeting >](#)

Resources

[ORAP Charter >](#)

[Members Short Bio >](#)

[ORAP History >](#)

[National Defense Authorization Act 2021 >](#)

[The Federal Advisory Committee Act \(FACA\) >](#)

Reports

<https://www.noaa.gov/ocean-research-advisory-panel>



Questions ?

ORAP History

The Ocean Research Advisory Panel (ORAP) is a federal advisory committee (FAC) as defined under the Federal Advisory Committee Act (FACA).

ORAP is a non-discretionary FAC* with representative members and provides the Ocean Policy Committee (OPC) with independent scientific advice and recommendations on national ocean matters.

The ORAP was originally chartered under the Office of Naval Research (ONR), which awarded management to the Consortium for Ocean Leadership.

From 2006-2011, the ORAP operated as the Ocean Research and Resources Advisory Panel (ORRAP). The Panel returned to the name ORAP in 2011.

ONR managed NOPP and ORAP until the passage of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (P.L. 116-283), which reauthorized NOPP and moved management responsibility for ORAP to NOAA.



* A non-discretionary committee performs the functions provided for in the statute