



National Oceanic and Atmospheric Administration US Department of Commerce

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Ocean Carbon Observations
Global Ocean Monitoring and Observing Program

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Climate Variability and Predictability Program
Climate Program Office

Department of Commerce | National Oceanic and Atmospheric Administration



NOAA Line Offices



National
Ocean
Service

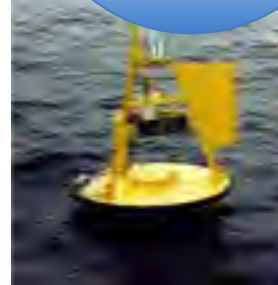
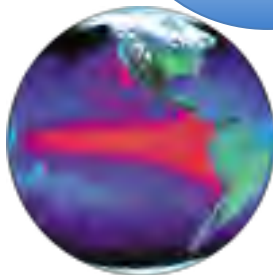
National
Weather
Service

National
Fisheries
Service

NOAA
Research
(OAR)

Marine and
Aviation
Operations

National
Environmental
Satellite, Data,
and
Information
Service



OAR's Strategy 2020-2026

MISSION: *Research, Develop, Transition.* 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.

GOALS:

1. Explore the Marine Environment

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

2. Detect Changes in the Ocean and Atmosphere

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

3. Make Forecasts Better

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

4. Drive Innovative Science

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



<https://research.noaa.gov/External-Affairs/Strategy#>

NOAA Global Ocean Monitoring and Observing Program (GOMO)

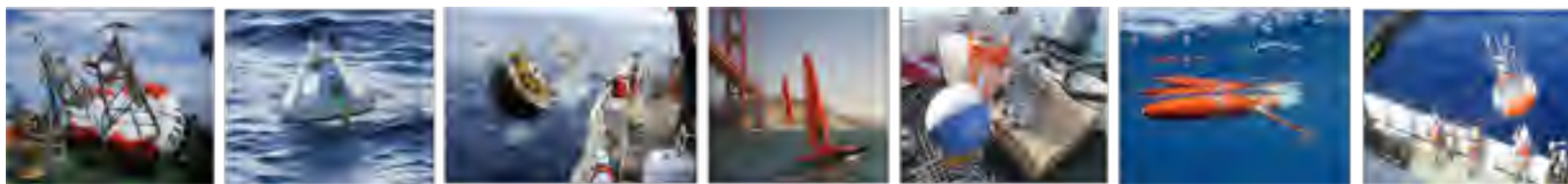
Director: David Legler

MISSION: To provide and support high-quality global ocean observations and research to improve our scientific understanding and inform society about the ocean's role in environmental change.

Scope: Develop, deploy, sustain observations; support research; deliver high-quality information and products

- Global Ocean
- Arctic

Partnerships: NOAA, Inter-agency, and International



GOMO 2021 – 2025 Strategic Goals



GOAL 1

Sustain global ocean monitoring and observing for long-term continuity and improve data quality and system efficiency.



GOAL 2

Innovate & evolve the ocean observing network to address emerging needs & opportunities for ocean health, ocean economy, weather & climate.



GOAL 3

Improve the value, accessibility, and usability of observational data for informed decision-making.



GOAL 4

Develop and capitalize on the expertise and capacity of the ocean observing enterprise.

Goals and objectives address current and emerging challenges of great societal interest:

ocean carbon and BGC, hurricanes, marine heat waves, Arctic sea ice/ecosystems, sea level, etc.

Regions of emphasis: *tropical Pacific, Arctic, boundary-current regions*

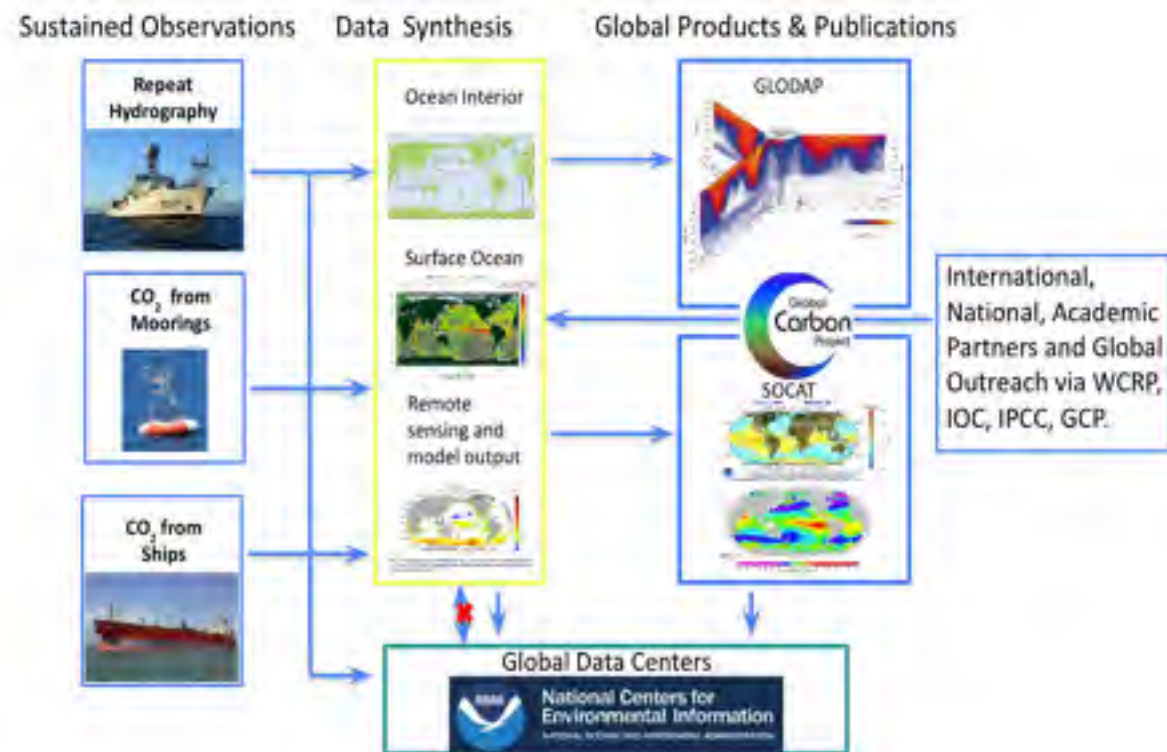


GOMO Global Ocean Carbon Observing Network

providing long-term observations of carbon from the sea surface to the interior at a range of spatial and temporal scales.

Strategy

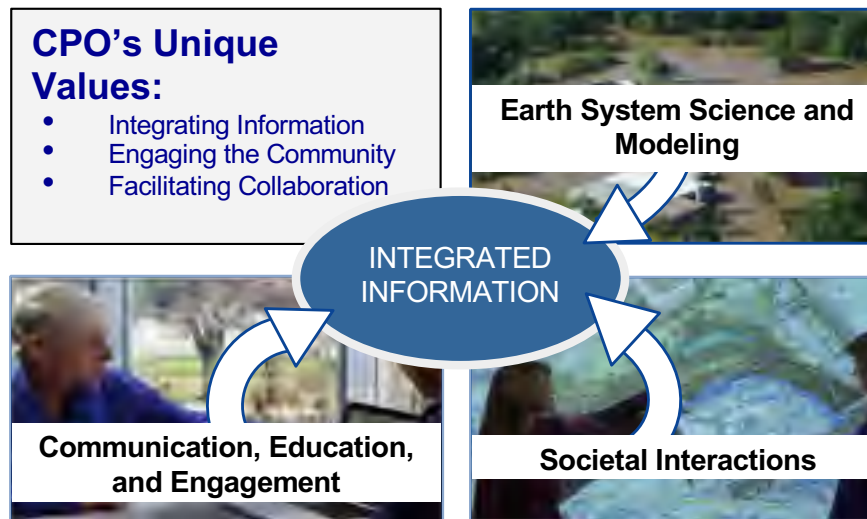
- Repeat GO-SHIP cruises with surface to bottom sampling;
- Fixed MAPCO₂ mooring stations;
- SOCONET Underway pCO₂ measurements on research and volunteer observing ships.



NOAA Climate Program Office (CPO)

Director: Wayne Higgins

MISSION: Advance scientific understanding, monitoring, and prediction of climate and its impacts to enable effective decisions



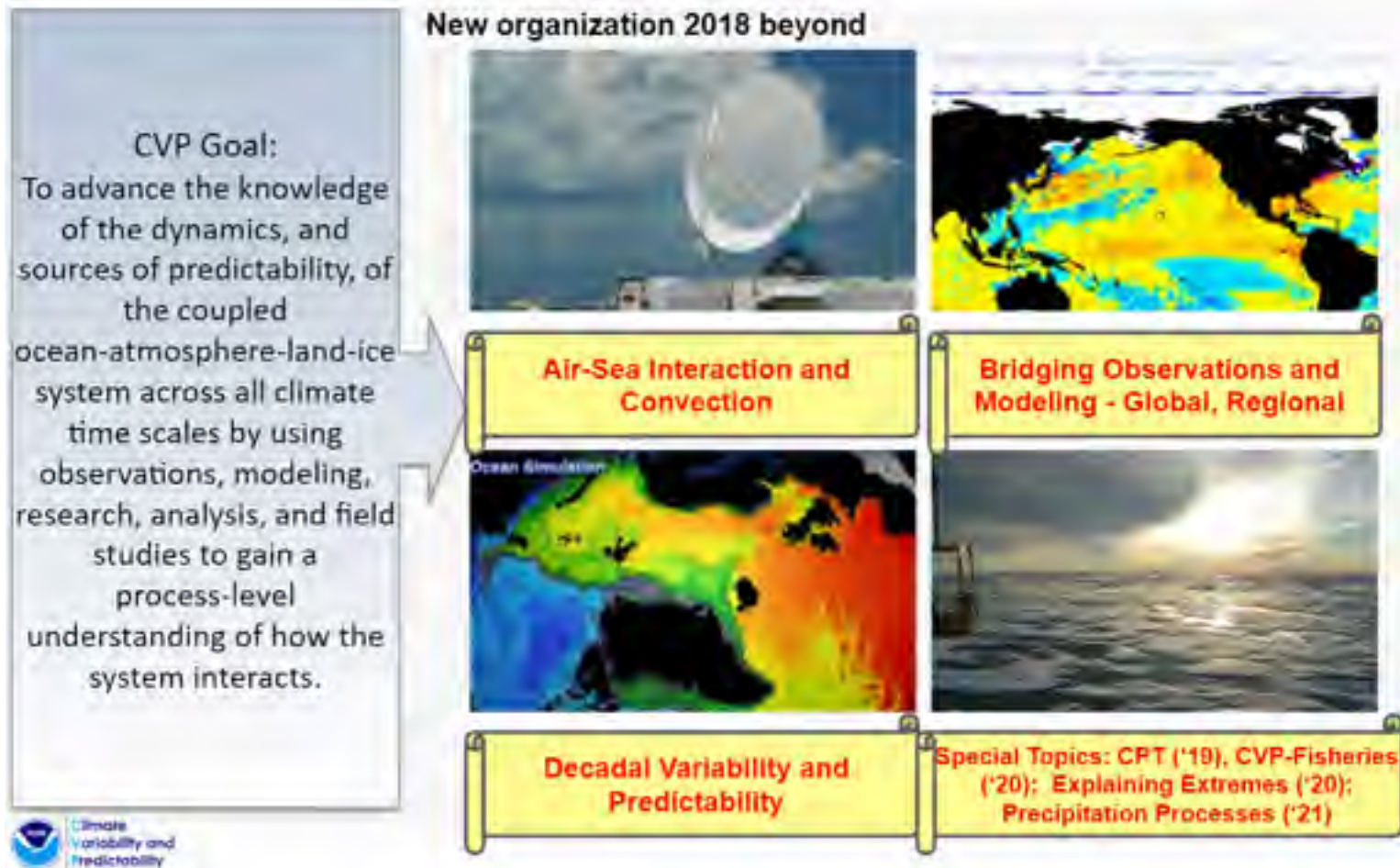
Activities:

- Support NOAA mission-driven research priorities
- Engage community in NOAA mission through annual calls for proposals
- Facilitate coordination, collaboration, and integration
- Accelerate transition activities to improve NOAA operational services

Current Research Topics for the CVP Program

Sandy Lucas, Program Manager

<http://cpo.noaa.gov/cvp>





Applying for Funding

Each program publishes a targeted call for proposals:

- Notice of Funding Opportunity (NOFO)
- Published annually at Grants.gov
- Posted on the CPO website
- Download the “Information Sheet” for each competition.
- Info Sheet will have detailed information about the call for proposals.

Site: CPO.NOAA.GOV

Department of

The screenshot shows the NOAA Climate Program Office website. The header includes the NOAA logo and the text "CLIMATE PROGRAM OFFICE" with the tagline "ADVANCING SCIENTIFIC UNDERSTANDING OF CLIMATE, IMPROVING SOCIETY'S ABILITY TO PLAN AND RESPOND". The navigation bar lists: HOME, ABOUT CPO, DIVISIONS & PROGRAMS, FELLOWSHIPS & PARTNERS, FUNDING OPPORTUNITIES, and INTERAGENCY PARTNERSHIPS. The main banner reads "Climate Program Grants/Federal Funding Opportunities".

The main content area is titled "FY 2023 Notice of Funding Opportunity". It includes the following information:

- Federal Agency Name(s):** Office of Oceanic and Atmospheric Research (OAR), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce
- Notice of Funding Opportunity Title:** Climate Program Office FY2023
- Announcement Type:** Initial
- Notice of Funding Opportunity Number:** NOAA-OAR-CPO-2023-2009440
- Catalog of Federal Domestic Assistance (CFDA) Number:** 11.431, Climate and Atmospheric Research

A paragraph follows: "CPO supports competitive research through four major program areas: Earth System Science and Modeling (ESSM), Climate and Societal Interactions (CSI), Communication, Education and Engagement (CEE), and the National Integrated Drought Information System (NIDIS). Through this announcement, CPO is seeking applications for six individual competitions in FY23. Several of these competitions are relevant to high-priority climate risk areas. CPO is organizing some of its activities around these areas to improve science understanding and/or capabilities that result in user-driven outcomes. Four climate risk areas of particular interest to CPO are..."

On the right side, there is a section titled "NOFO at a Glance" with a list of links:

- Links to Full NOFO and Grants.gov Listing
- List of Competitions
- Important Dates/Deadlines
- For Federal Investigators
- FAQ
- Where to Submit
- General Grants Questions

The NOAA logo is visible in the bottom right corner of the screenshot.

CPO Grant Programs

Program Manager names are listed on the CPO Website
If you have questions, reach out to the Program Manager

ESSM: Earth System Science and Modeling

COM - Climate and Ocean Monitoring

AC4 - Atm. Composition, Chemistry, and Carbon Cycle

CVP - Climate Variability and Predictability Program

MAPP - Modeling, Analysis, Predictions and Predictions

CSI: Climate and Societal Interactions

RISA - Regional Integrated Sciences and Assessments

AdSci - Adaptation Science [New] - goal is to foster widespread, science-based adaptation. *Replaces:*

SARP - Sectoral Applications Research Program

COCA - Coastal and Ocean Climate Applications

IRAP - International Research and Applications Program

CPO Funding Opportunity is released annually in the late spring or summer.



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<https://globalocean.noaa.gov/news-events/>



<https://nopp.org/category/funding-announcements/open/>

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CLIMATE PROGRAM OFFICE

ADVANCING SCIENTIFIC UNDERSTANDING OF CLIMATE IMPROVING SOCIETY'S ABILITY TO PLAN AND RESPOND

[HOME](#) [ABOUT CPO](#) [DIVISIONS & PROGRAMS](#) [FELLOWSHIPS & PARTNERS](#) [FUNDING OPPORTUNITIES](#) [INTERAGENCY PROGRAMS](#)
[INITIATIVES](#) [NEWS](#)



NOAA Climate and Global Change Postdoctoral Fellowship Program

Growing the next generation of climate experts

About the Program

The NOAA Climate and Global Change (C&GC) Postdoctoral Fellowship Program aims to help create and train the next generation of leading researchers needed for climate studies, to serve the Nation and support NOAA's mission. Sponsored by NOAA Research's Climate Program Office (CPO) and founded in 1990 by former CPO Director Dr. J. Michael Hall, the C&GC Program appoints fellows who are hosted by a mentoring scientist at a U.S. university or research institution to work in an area of mutual interest.

The fellows focus on observing, understanding, modeling, and predicting climate variability and change on seasonal and longer timescales. This includes the documentation and analysis of past, current, or possible future climate variability and change as well as the study of the underlying physical, chemical, and biological processes.

Over the past 30 years, the Fellowship Program has hosted more than 230 C&GC Fellows and has developed an outstanding reputation of attracting the best and the brightest PhDs in the sciences relevant to CPO's mission. The program was originally created in response to a lack of trained specialists in a burgeoning NOAA research area, and since has continued investing in the climate and global change workforce.

How to apply to be a Postdoc Fellow or host

The C&GC Postdoc Fellowship application period for both potential postdoc fellows and hosts is typically open from September until January. Appointments are announced by April 1st.

Potential Postdoc fellows

Potential applicants must have held a PhD for no more than 3 years at the start of tenure and must contact a potential host prior to submitting an application. Applicants must apply online at UCAR's Career Opportunities website.

<https://cpo.noaa.gov/Our-Work/Fellowships>

POC: Ginny Selz, NOAA CPO, virginia.selz@noaa.gov

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Thanks!

Kathy.Tedesco@noaa.gov
Sandy.Lucas@noaa.gov



Grant writing notes...





Grant Application Process at NOAA

- Call for Proposals are once a year (known as the NOFO, Notice of Funding Opportunity).
- Released in the late spring or summer.
- This information is posted at grants.gov and on the CPO website.
- The process includes a "letter of intent" (LOI) that is reviewed. The projects are either encouraged, encouraged with comments, or discouraged. LOIs are due 21 days after NOFO release.
- Full applications are submitted by your university, and are usually due 90 days after NOFO.
- Applications (Proposals) go through a 2-stage review process:
 - The first panel looks at: 1) the scientific and/or technical merit, 2) qualifications of the applicant(s), and 3) project costs.
 - The second panel evaluates the Importance/Relevance and Applicability of application to the program.





Things to Remember When Proposing to NOAA CPO ...

- NOAA is a mission-driven agency. Be sure to review the NOFO and the Information Sheet (posted on the CPO website) to see the specific topics that each program is focused on.
- Use the LOI process. Although LOIs are not required, the process gives you the opportunity to succinctly express your main idea for the proposal/project. It will also give you an idea of whether the topic fits with the program announcement.
- Follow the guidance in the NOAA NOFO (for page limits, required sections, etc.) and use the tips from other agencies for writing proposals (e.g., NSF has a handbook).
- Be sure to clearly state the focus of your project (introduction), why the project is important (motivation), and how you will address/answer your questions (e.g., use observations or a model, what data will you use, etc.)

