

# IOOS National Office Updates

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Director, U.S. IOOS Office

June 27, 2023





## NOAA FY22-26 **STRATEGIC GOALS**



**BUILD A CLIMATE  
READY NATION**



**MAKE EQUITY CENTRAL  
TO NOAA'S MISSION**



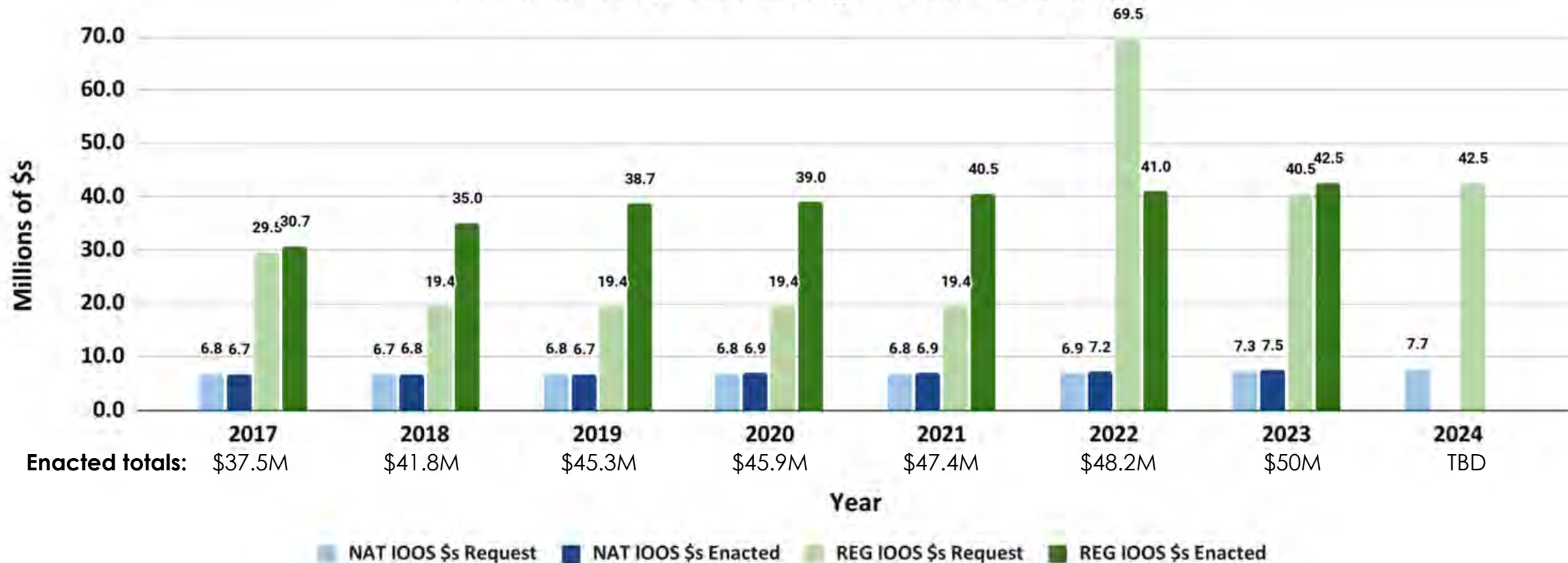
**ACCELERATE GROWTH IN  
AN INFORMATION-BASED  
BLUE ECONOMY**



# U.S. IOOS Enacted and President's Budgets FY17–24

## NOS IOOS Request & Appropriation History

Part of the Story - not including 'backbone and global'

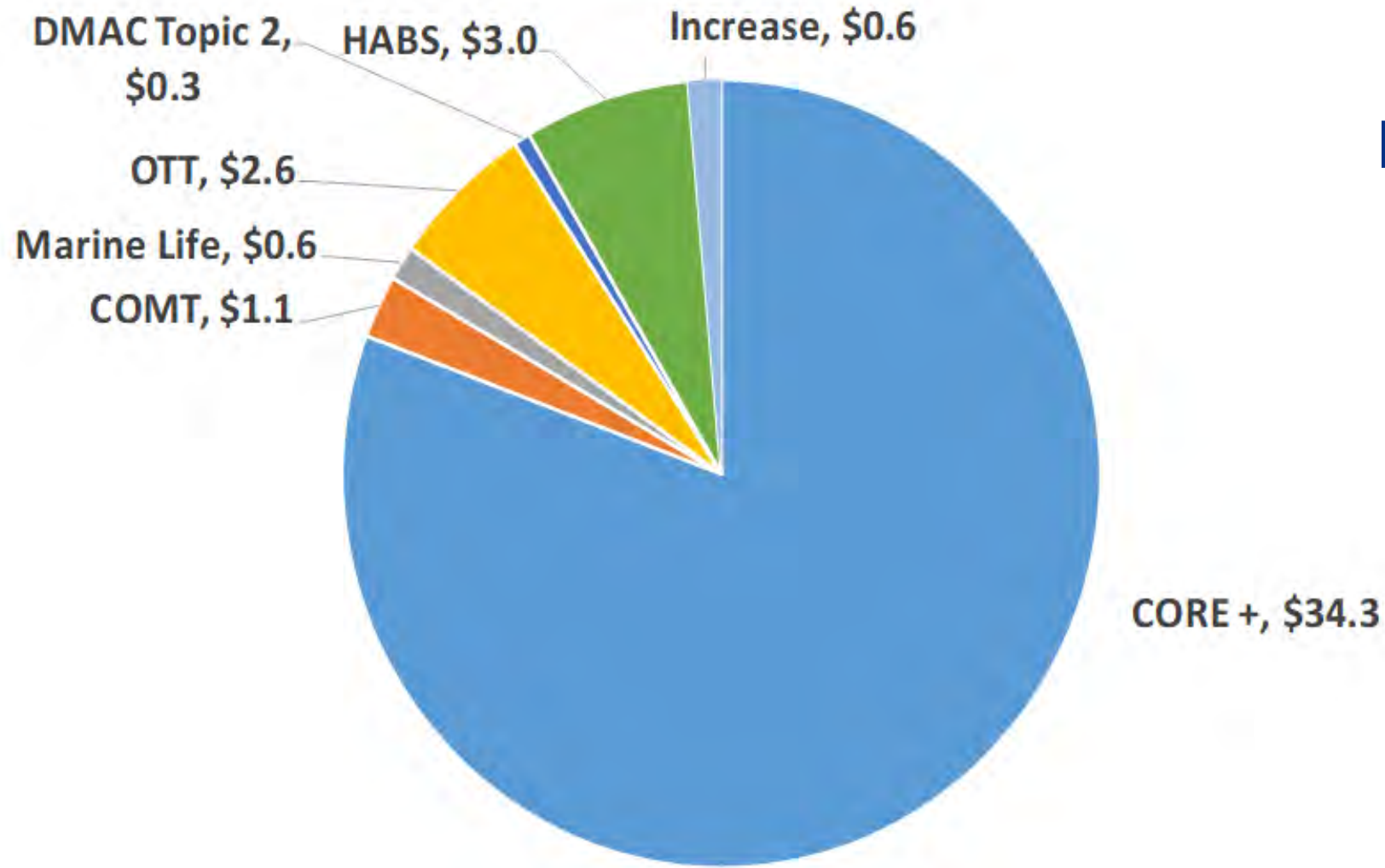


NOAA National Ocean Service - Navigation, Observations, and Positioning:

'National IOOS' & 'Regional IOOS Observations'

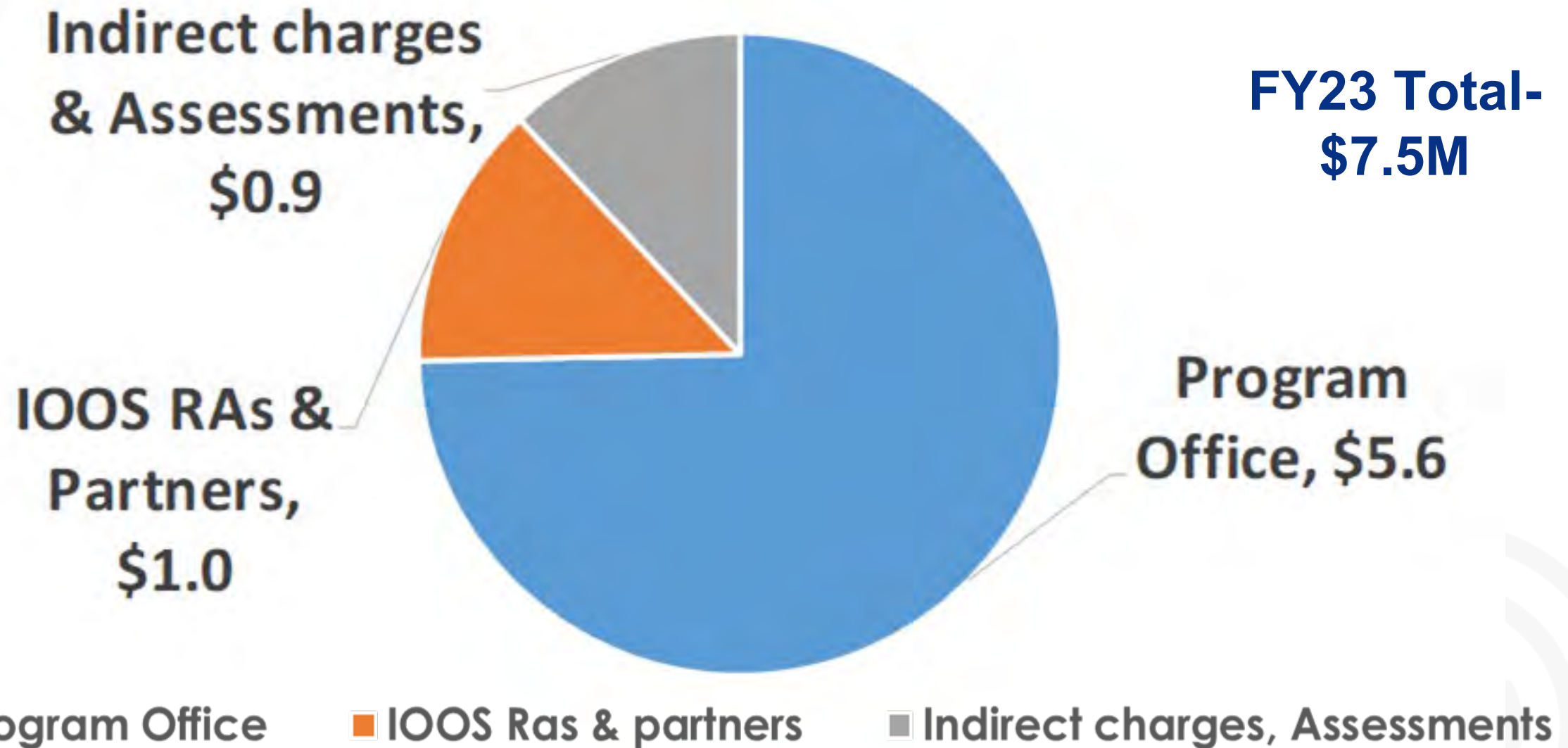
- Estimated Enacted levels are 'post rescission' totals for each year
- 'Request' = the President's Budget Request

# FY 23 - IOOS Regional

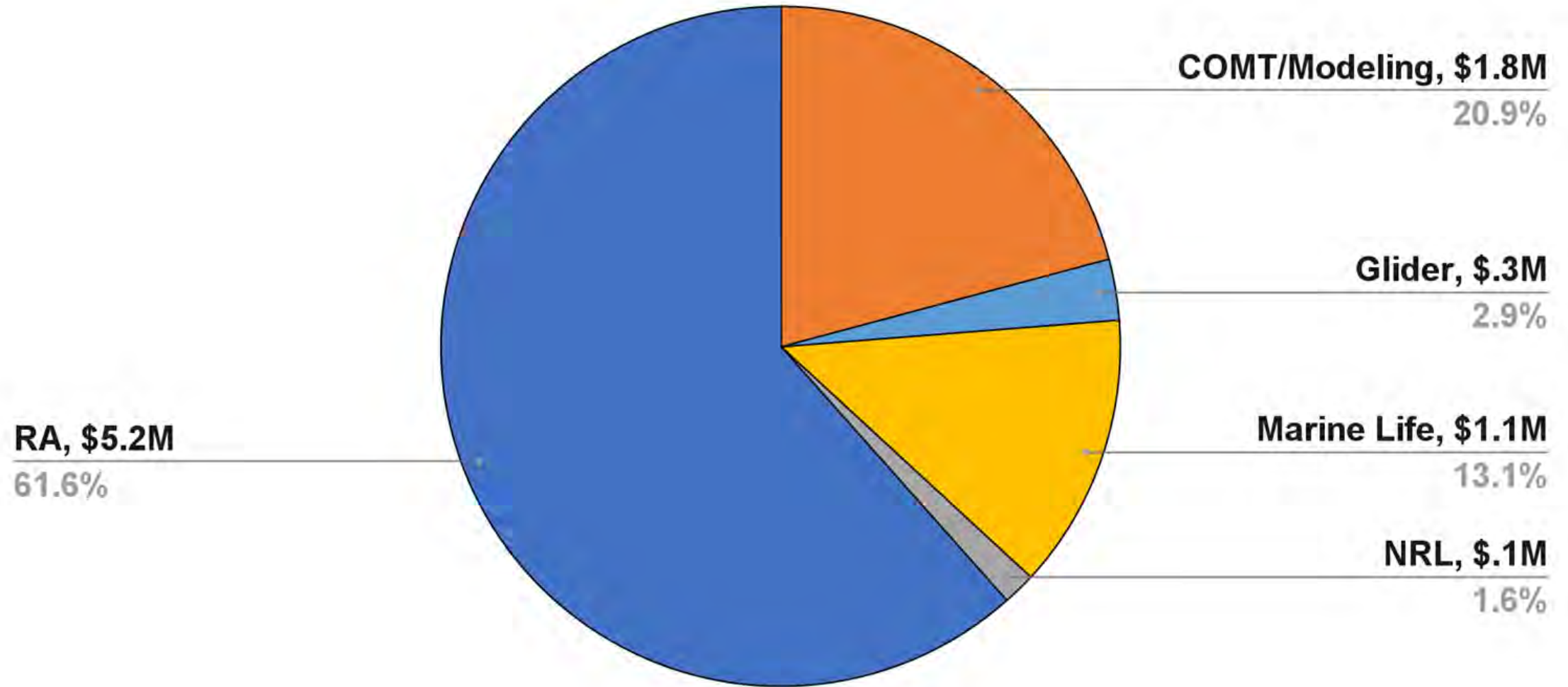


**FY23 Total-  
\$42.5M**

# FY 23 - IOOS National



# FY23 External Funds Executed \$8.5M- By Portfolio/Program



# Next Steps - Budget



## FY23 Appropriations

- **Regional Observations** = \$42.5M
- **National IOOS** = \$7.5M



## FY22 & FY23–26 Bipartisan Infrastructure Law (BIL; formerly IIJA)

- **Prov 3:** Flood Inundation Mapping = \$4.5M
- **Prov 11:** Coastal and Ocean Observations = \$7.3M
- **Prov 12:** Regional Ocean Partnerships = \$1.8M



## FY23 Community Special Project (congressionally directed)

- Six total projects administered by IOOS

## FY23–26 Inflation Reduction Act



- **Coastal, Economic, and Climate Resilience** = \$3.3B for NOAA over 4 years
  - Coastal Communities & Climate Resilience = \$2.6B for NOAA





## FY23–26 Inflation Reduction Act

- **Coastal, Economic, and Climate Resilience** = \$3.3B for NOAA over 4 years
  - Coastal Communities & Climate Resilience = \$2.6B
    - Enable coastal communities to prepare for extreme storms and other changing climate conditions
    - Support natural resources that sustain coastal and marine resource dependent communities
    - Support marine fishery and marine mammal stock assessments



# NOAA Responses to the FAC Recommendations



# FAC Recommendation Priority Areas



**Climate Impacts at the  
Oceans and Coast**

**Diversity, Equity, Inclusion,  
and Accessibility**



**Fostering Growth of the New  
Blue Economy**



# IOOS Recommendations to NOAA

## Of the 16 Recommendations:

- 3 recommendations implemented
- 12 recommendations partially implemented
- 1 recommendation not yet implemented

### Link to NOAA Response to FAC Recommendations

<https://cdn.ioos.noaa.gov/media/2023/06/NOAA-Response-to-IOOS-AC-Recommendation-June-2023.pdf>

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Leidos

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February, 1 2023

The Honorable Richard W. Spinrad, PhD  
Undersecretary of Commerce  
for Oceans and Atmosphere and  
NOAA Administrator  
1401 Constitution Avenue NW, Room 5128  
Washington, DC 20230

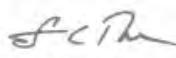
Dear Dr. Spinrad,

On behalf of the Federal Advisory Committee (FAC) for the Integrated Ocean Observing System (IOOS), enclosed are recommendations that the committee formulated that align with your strategic priorities as the NOAA Administrator. These recommendations span across three priority areas and support the NOAA FY22-26 Strategic Plan: Climate Impacts at the Oceans and Coasts; Diversity, Equity, Inclusion, and Accessibility; and Fostering Growth of the New Blue Economy.

The committee supports and champions NOAA's mission, and believes it has never been more important to deliver equitable coastal services and information to the American people to support prosperity, health, and security. The U.S. IOOS Enterprise, composed of NOAA's U.S. IOOS Office, the 11 Regional Associations and their non-profit representative IOOS Association, and the Interagency Ocean Observing Committee (IOOC), which operates under the White House Office of Science and Technology Policy (OSTP), is uniquely positioned to support the Administration's priorities by bringing together ocean and coastal experts from across the federal, academic, industry, and non-profit sectors.

We hope these recommendations prove useful to you and will be adopted and implemented by NOAA. We look forward to working together with you further to implement meaningful change that drives us forward toward climate solutions, equitable service, and economic opportunity. At our next public meeting in the Summer of 2023, we are hopeful you will be able to join us to share progress on your strategic plan and discuss how we can help further support your goals. We are standing by to help, so please do not hesitate to reach out sooner if we can be of assistance.

Regards,

  
Scott C. Rayder  
Chair for the IOOS FAC

- **Collaboration with other Line Offices** on Climate, New Blue Economy, and DEIA Objectives
- **Collaborative approach with IOOS on DEIA initiatives**
  - Comprehensive Implementation of Practices





# NBE & Accelerators NOFO



# NOAA's New Blue Economy and Ocean Enterprise

A sustainable and equitable ocean and coastal economy that optimizes advances in science and technology to create value-added, data-driven economic opportunities and solutions to pressing societal needs.





## Climate Ready Coasts and Communities

\$1.4B as part of \$2.6 billion:  
Supporting coastal communities, including Great Lakes communities', resilience to changing climate conditions through funding and technical assistance for capacity building, transformational adaptation and resilience planning, conserving and protecting fisheries and other critical resources, creating quality climate-ready jobs, and improving delivery of climate services to communities and businesses, all with a focus on environmental justice.

PROJECT	AMOUNT (\$ in thousands)
Climate Resilience Regional Challenge	\$575,000
Bipartisan Infrastructure Law NOFOs	\$554,500
Ocean-based Climate Resilience Accelerators	\$100,000
Integrated Ocean Observing System	\$100,000
Technical Assistance	\$81,000
National Marine Sanctuary Designation	\$30,000
<b>TOTAL</b>	<b>\$1,440,500</b>

# IOOS Office and Inflation Reduction Act Planning

**Eligible IOOS uses of funds within Sec. 40001 RA include:**

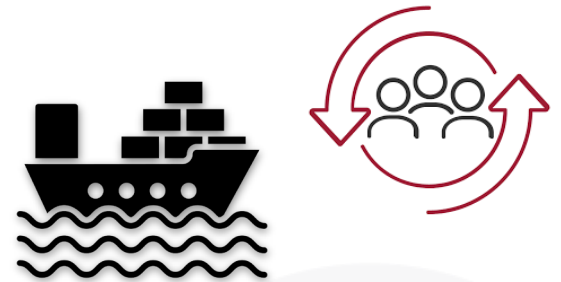
- ~ \$215 million w/in Climate Ready Coasts and Communities
  - IOOS RAs and partners
  - Ocean-based Climate Resilience Accelerators, &
  - Technical Assistance and Mgt & Admin.

**Funding Mechanisms include:**

- Non-competitive Request for Applications for IOOS RAs and partners - Cooperative Agreements up to 5 years
- New NOFO Ocean-based Climate Resilience Accelerators up to 4-5 years
- Technical Assistance and Mgt & Admin.

**Timing**

- 4 Year Funding has to be all obligated by end of FY26 and priority is being made implement grants as soon as reasonable.





## Staffing plan:

- Up to 9 Permanent Federal Positions
- 1 Term Federal Position
- Contractor positions
  - Up to 8 Contractors with IOOS
  - 2 Contractors with OAP
  - 2 Contractors with NCEI
- 1 Equity Service Delivery Lead

## TITLE IV—COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION

### SEC. 40001. INVESTING IN COASTAL COMMUNITIES AND CLIMATE RESILIENCE.

(a) IN GENERAL.—In addition to amounts otherwise available, there is appropriated to the National Oceanic and Atmospheric Administration for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, \$2,600,000,000, to remain available until September 30, 2026, to provide funding through direct expenditure, contracts, grants, cooperative agreements, or technical assistance to coastal states (as defined in paragraph (4) of section 304 of the Coastal Zone Management Act of 1972 (16 U.S.C. 1453(4))), the District of Columbia, Tribal Governments, nonprofit organizations, local governments, and institutions of higher education (as defined in subsection (a) of section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001(a))), for the conservation, restoration, and protection of coastal and marine habitats, resources, Pacific salmon and other marine fisheries, to enable coastal communities to prepare for extreme storms and other changing climate conditions, and for projects that support natural resources that sustain coastal and marine resource dependent communities, marine fishery and marine mammal stock assessments, and for related administrative expenses.

# IOOS Coastal Climate Resilience

## Eligible uses of funds include:

- **\$100 million** on new projects with 11 IOOS Regional Associations
- Up to 5 year awards across two topic areas to address coastal climate resilience needs and priorities

## Two Topic Areas:

- improving coastal resilience and advancing equitable service delivery at regional scale
- address coastal resilience and benefit users at the national and/or pan-regional scales
- **Encouraged Foci**
  - Stakeholder Engagement
  - New Partnerships
  - Equitable Service Delivery





# Ocean-based Climate Resilience Accelerators (Tentative schedule)

## \$60M new Notice of Funding Opportunity

### Eligible uses of funds include:

- **Phase 1-** Staff support, resources, design of climate resilience accelerator programs aligned with priorities.
- **Phase 2-** Full implementation of accelerator programming over multiple years/cohorts, including subawards to participating businesses.

### Entities eligible to apply:

- Corporations, joint ventures, academic institutions and cooperative institutes, not-for-profit organizations, state/local governmental entities, tribal governments or entities

### Important dates:

- NOFO publication: *July 5 (tentative pending final OMB approval)*
- Phase One applications due 60 days later : **Sept. 5 (tentative pub. date)**
- Phase Two applications ~ Feb '24-July '24



# Ocean-based Climate Resilience Accelerators (Themes)

## Proposed Theme Areas

- Ocean Renewable Energy
- Coastal and Ocean Carbon Sequestration Monitoring and Accounting
- Hazard Mitigation and Coastal Resilience
- Ecosystems Services, Including Change Detection, Change Analysis, and Change Adaptation/Mitigation
- Other theme areas as determined by the applicant.

Note that “ocean” is inclusive of ocean, coastal, and Great Lakes areas.



Climate Resilience Accelerators  
IOOS website:  
<https://ioos.noaa.gov/about/governance-and-management/inflation-reduction-act/accelerators/>



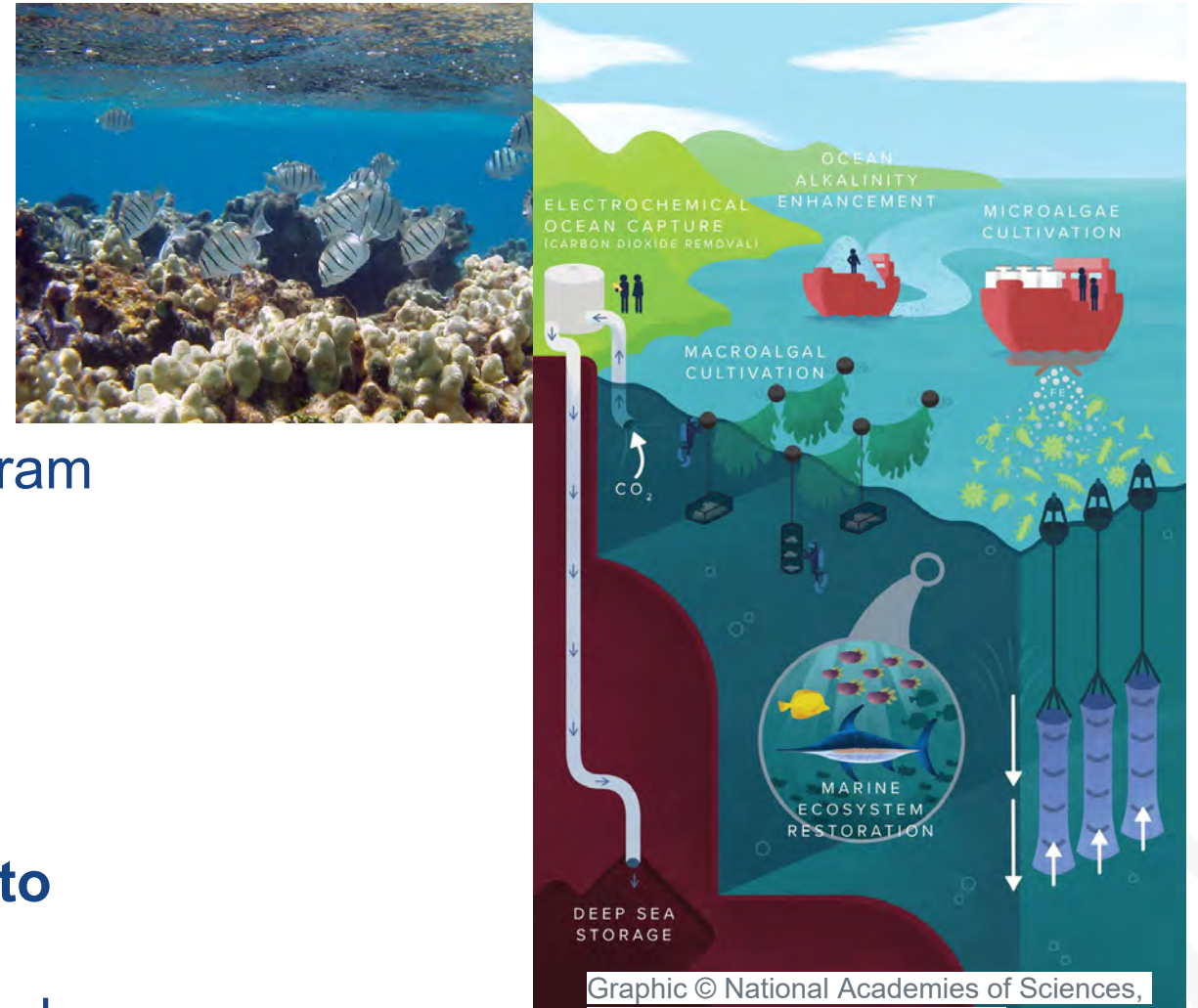
# Ocean-based Climate Resilience Accelerators (partner projects)

## Eligible uses of funds include:

- **\$40 million** for NOAA partner projects

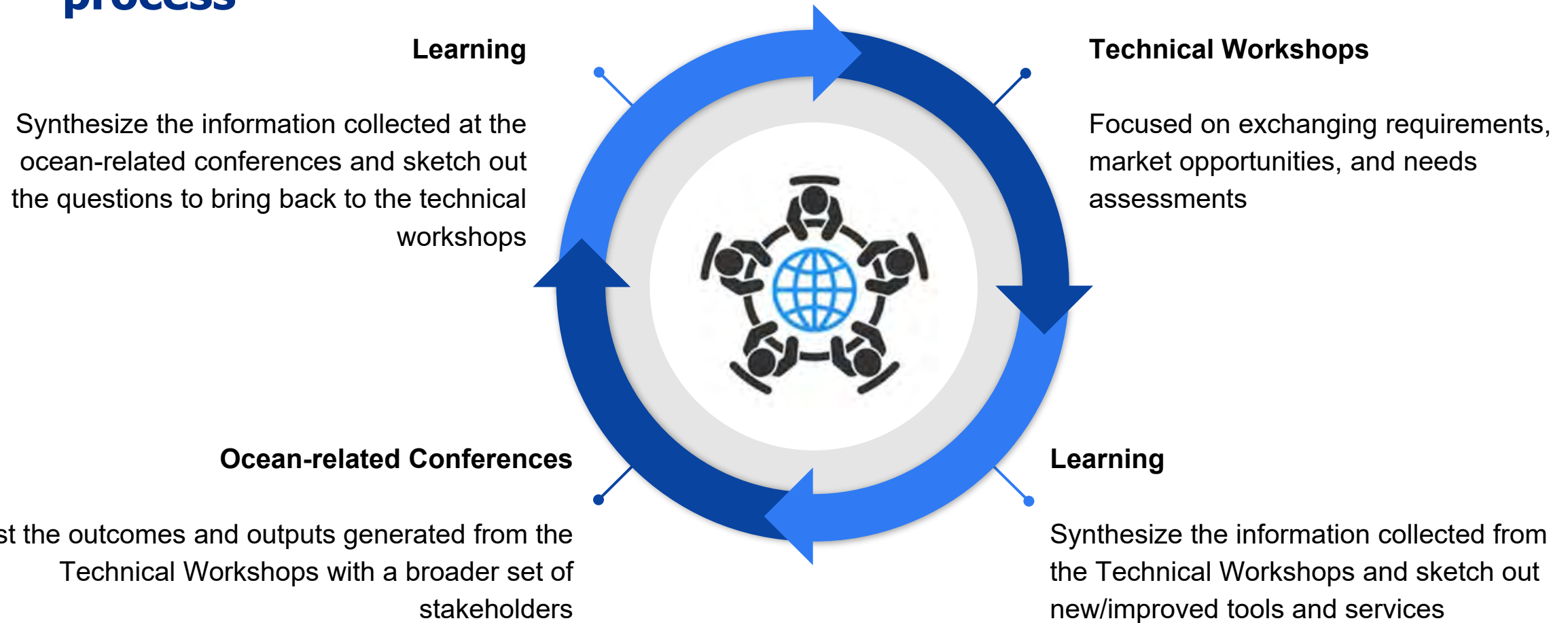
## NOAA competitive funding programs:

- National Oceanographic Partnership Program opportunities for
  - **U.S. Marine Life Observations**
  - **Marine Carbon Dioxide Removal**
- **Ocean Technology Transition**
- **Effects of Sea Level Rise**
- **Climate Impacts in Marine Sanctuaries to Support Management**
- Convening and engagement support through NOAA BAA proposal - TBD by September



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# Establishing IOOS (Ocean Enterprise) repeatable engagement process



## Workforce Development

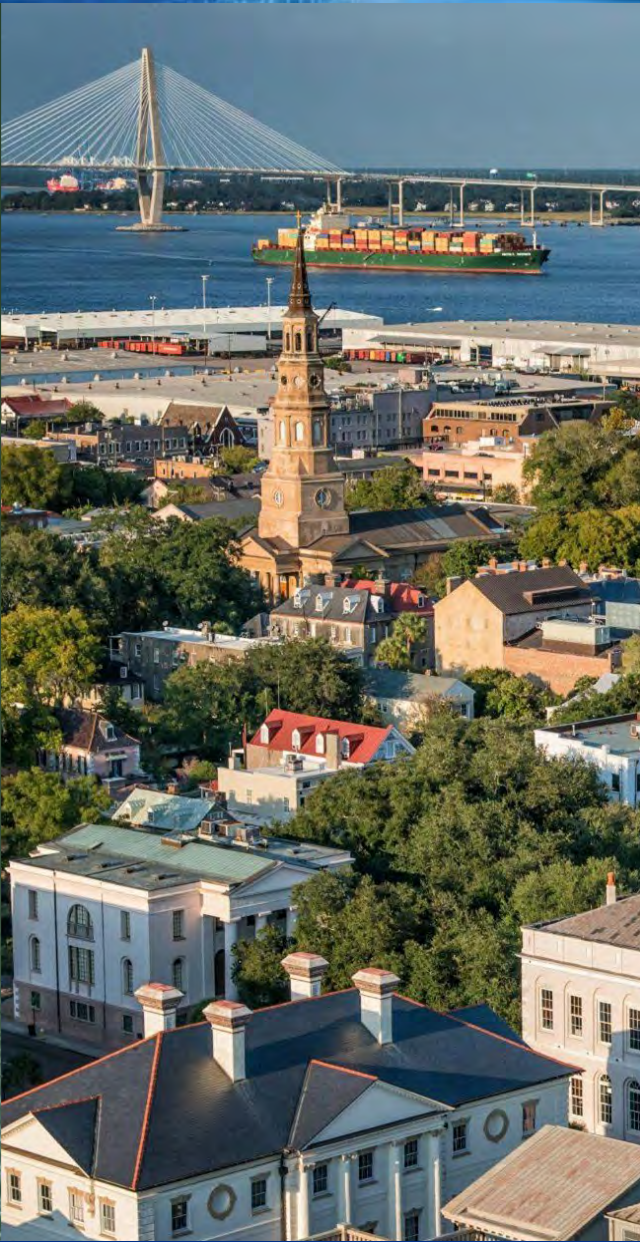
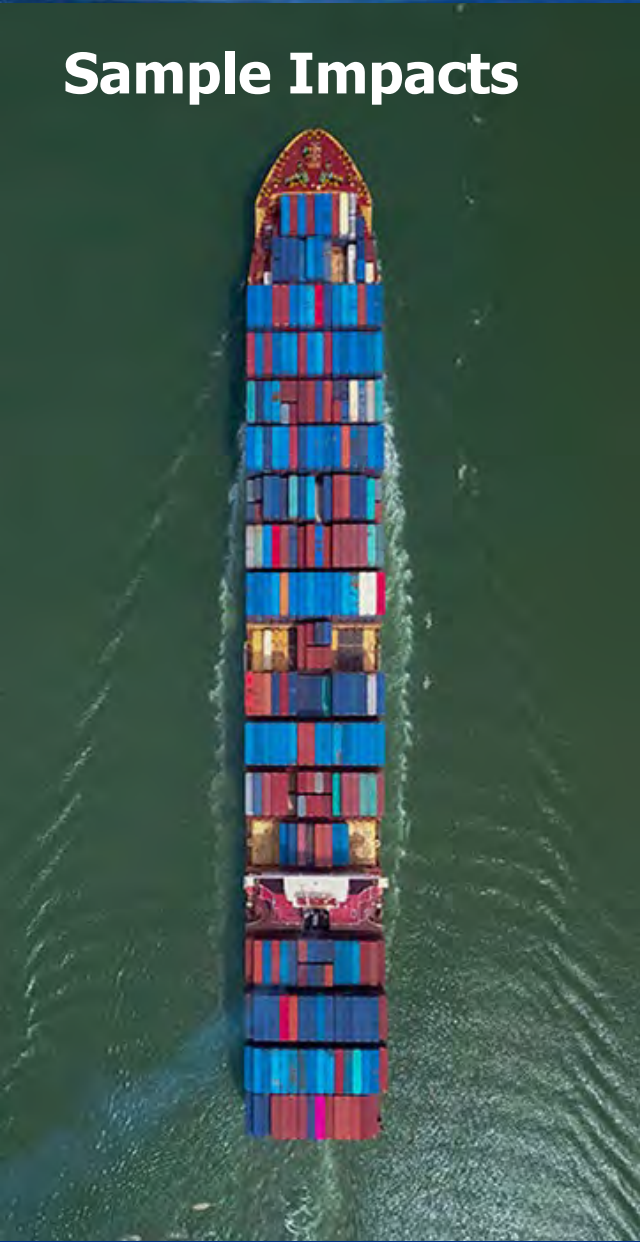
Based on the recently completed Dialogues with Industry and input from participants at Oceanology International Americas, NOAA and NSF are developing a workshop focused on growing the ocean technical workforce.

The goal is to conduct workforce development sessions later this year at OCEANS'23 and next year at the ASLO Ocean Sciences Meeting.





## Sample Impacts





# Questions?