



U.S. IOOS Advisory Committee  
January 22, 2025

Kristen Yarincik  
Executive Director

# Talk outline: IOOS Association 101



- **What is the IOOS Association?**
- **Regional Associations**
- **Advocacy**
  - Appropriations: approach & requests
  - IOOS Authorization
  - Other policy input
- **Programmatic activities**
  - Inflation Reduction Act: “Topic 2” national scale projects
  - Strategic Communications
  - K-12 Toolkit
  - NHABON Community of Practice
  - Caraid award
  - IOOS Spring Meeting & 25th Anniversary

# What is the IOOS Association?

- Membership of all 11 IOOS Regional Associations
- Facilitates communication and coordination across IOOS regions, NOAA, and the broader enterprise
- Promotes the value and increase visibility of IOOS and coastal observing
- Advocates for IOOS funding and other policy supportive of IOOS and ocean, coastal, and Great Lakes observation



# IOOS Association 2024 Accomplishments

## **Inflation Reduction Act**

- First time nationwide collaboration: \$45M proposal, now being kicked off
- Lots of new [and needed] staff capacity coming into Regional Associations and Program Office
  - IOOS Association = 3 new staff to start in January

## **Community response to FY25 President's Budget**

- Demonstration of user engagement and investment in the program
- Positive House & Senate marks (👉)

## **IOOS Association organizational evolution**

- Tremendous effort to transition the organization from a one-person shop to a growing organization with strong fiscal management and a welcoming organization for new staff

# IOOS Association 2025 Priorities

## **Inflation Reduction Act**

- Pan-regional / national effort implementation
- Early demonstrations of impact

## **IOOS Reauthorization**

- Current authorization through FY25

## **Sustainability Planning**

- Improved long-term planning of national funding needs just for stabilization (recapitalization, inflation, etc.)

## **Increase Strategic Communications**

- New Congress & administration, targeted messaging
- Media - social & traditional

# IOOS Association 2025 Challenges

## **Inflation Reduction Act**

- Massive, multi-level coordination beyond historical collaboration

## **Federal Fiscal Environment**

- Anticipating uphill battle for funding to continue

## **Improving use of IOOS as interagency, multi-mission integrator**

- Challenges building awareness and use of IOOS across other agency programs, including within NOAA
- Opportunities to leverage IOOS for private sector engagement (data buys, pathway for industry data sharing)
- Formalization in weather enterprise, e.g. sustaining the hurricane glider program

# 11 Regional Associations

## Legislated in IOOS Authorization

- Meet the NOAA certification standards and compliance procedure guidelines and information needs of user groups in the region while adhering to national standards
- Organizational structure for gathering and integrating required observation data
- Identify observational gaps for capital improvements and to support long-term system planning
- Have a strategic operational plan guiding the system
- Work cooperatively with governmental and non-governmental entities at all levels
- Comply with financial oversight requirements



# Regional Priorities Summary

## All 11 RAs:

- Platforms: High Frequency Radars, Gliders, Shore Stations
- Applications: Search & Rescue, Maritime Safety (boats/vessels)
- Ecosystem/Habitat Monitoring
- Climate Data
- Stakeholder / User Engagement
- Regional Data Portals & Data Management Services

## Most RAs:

- Platforms: Buoys
- Sea Level / Inundation / Water Level
- HABs & Water Quality
- Meteorological data
- Ocean Acidification
- Acoustic Telemetry
- Regional Models

Summary information presented to the IOOC in Sep 2024

[LINK TO ACTIVITIES SPREADSHEET](#)

# Regional Priorities

| Categories                                      |       | AOOS | CariCOOS | CeNCOOS | GLOS | GCOOS | MARACOOS | NANOOS | NERACOOS | PacIOOS | SCCOOS | SECOORA |
|---|-------|------|----------|---------|------|-------|----------|--------|----------|---------|--------|---------|
| <b>1: Coastal Hazards</b>                       | Total |      |          |         |      |       |          |        |          |         |        |         |
| Sea level rise/inundation                       | 10    | ✓    | ✓        | ✓       | ☐    | ✓     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Water quality/HAB forecasting                   | 10    | ✓    | ✓        | ✓       | ✓    | ✓     | ✓        | ✓      | ✓        | ☐       | ✓      | ✓       |
| Coastal erosion                                 | 9     | ✓    | ✓        | ✓       | ✓    | ☐     | ☐        | ✓      | ✓        | ✓       | ✓      | ✓       |
| RT wave observations                            | 9     | ✓    | ✓        | ☐       | ✓    | ☐     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Water level                                     | 10    | ✓    | ✓        | ☐       | ✓    | ✓     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Storm surge                                     | 6     | ✓    | ✓        | ☐       | ☐    | ☐     | ✓        | ☐      | ✓        | ☐       | ✓      | ✓       |
| Rip current forecasts/beach alerts              | 7     | ☐    | ✓        | ☐       | ✓    | ✓     | ✓        | ✓      | ☐        | ☐       | ✓      | ✓       |
| Wave run-up                                     | 6     | ☐    | ✓        | ☐       | ☐    | ☐     | ☐        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Hurricane forecasting                           | 5     | ☐    | ✓        | ☐       | ☐    | ✓     | ✓        | ☐      | ☐        | ✓       | ☐      | ✓       |
| <b>2: Maritime Commerce/Navigational Safety</b> |       |      |          |         |      |       |          |        |          |         |        |         |
| Search and Rescue                               | 11    | ✓    | ✓        | ✓       | ✓    | ✓     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Radars  | 11    | ✓    | ✓        | ✓       | ✓    | ✓     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Buoy/Ocean data                                 | 10    | ✓    | ✓        | ✓       | ✓    | ✓     | ☐        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Data for ships/boats                            | 11    | ✓    | ✓        | ✓       | ✓    | ✓     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Meteorological data                             | 10    | ✓    | ✓        | ☐       | ✓    | ✓     | ✓        | ✓      | ✓        | ✓       | ✓      | ✓       |
| Port information                                | 8     | ✓    | ✓        | ✓       | ☐    | ✓     | ✓        | ☐      | ✓        | ✓       | ✓      | ☐       |

[LINK TO ACTIVITIES SPREADSHEET](#)

# Regional Priorities

| Categories                                   |    | AOOS                                | CariCOOS                            | CeNCOOS                             | GLOS                                | GCOOS                               | MARACOOS                            | NANOOS                              | NERACOOS                            | PacIOOS                             | SCCOOS                              | SECOORA                             |
|--|----|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>3: Fish, Ecosystems, Climate</b>          |    |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
| <i>Gliders</i>                               | 11 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Ecosystem/habitat monitoring</i>          | 11 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Climate data</i>                          | 11 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Acoustic/Telemetry data</i>               | 10 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Biological monitoring</i>                 | 9  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Fisheries</i>                             | 7  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Long-term data</i>                        | 8  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Coral</i>                                 | 3  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <i>Seafloor/seabed</i>                       | 3  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| <i>MPAs</i>                                  | 4  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <b>4: Eco-forecasting, OA, HABS, hypoxia</b> |    |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
| <i>Ocean acidification</i>                   | 10 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>HABs</i>                                  | 10 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Water quality</i>                         | 10 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <i>Hypoxia</i>                               | 8  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

[LINK TO ACTIVITIES SPREADSHEET](#)

# Regional Priorities



## Emerging Issues:

- Data interpretation (all 11)
- Climate change impacts (all 11)
- Bio- / Eco- forecasting (10)
- Aging infrastructure (10)
- HABs (9)
- Extreme weather (9)
- Ocean warming (9)

Summary information presented to the IOOC in Sep 2024

LINK TO [ACTIVITIES SPREADSHEET](#)

# IOOS Association Advocacy Role



## **Appropriations Advocacy**

- Unified request and messaging across the IOOS regional network for the “IOOS Regional Observations” line

## **Input on Authorizing Legislation**

- IOOS reauthorization (ICOOS/COORA)
- Other legislation that includes or is relevant to IOOS

## **Input to Administration Policy, Strategies, and Priorities**

# Appropriations Advocacy Multi-Pronged Strategy

## **IOOS Association**

- Develop annual request & supporting materials
- Meet with staff of Appropriations subcommittees, other key subcommittees
- Engage bipartisan leadership for Dear Colleague Letters (Senate & House)
- Prepare outside witness testimony (OWT)
- Work with partner coalitions on joint OWT (NOS partner programs, NAML, Friends of NOAA)
- Support RAs as needed/desired

## **Regional Associations**

- Build relationships with offices within their regional footprint
- Submit programmatic requests to individual offices
- Meetings with individual offices to promote IOOS, talk through the request, and encourage sign on to Dear Colleague Letters
- Email follow up, thank yous, regular touch points as possible

## **Strategic advice and support from ESP Advisors**

# Appropriations at a glance

| IOOS Regional Observations line;<br>Amounts in millions of dollars. | FY20      | FY21                  | FY22                 | FY23                 | FY24                 | FY25               |
|---|-----------|-----------------------|----------------------|----------------------|----------------------|--------------------|
| <b>Authorization Level</b>  | such sums | 48                    | 50                   | 52                   | 54                   | 56                 |
| <b>President's Budget</b>   | 19.4      | 19.4                  | 69.5                 | 40.5                 | 42.5                 | 10                 |
| <b>House Approps</b>  | 40.5      | 40.5                  | 50                   | 44                   | 41                   | 56                 |
| <b>Senate Approps</b>   | 39.5      | 40                    | 47                   | 46                   | 42.5                 | 43.5               |
| <b>Enacted</b>  | 39        | 40.5                  | 41                   | 42.5                 | 42.5                 | ?                  |
| <b>IA request</b>   | 23.7      | <a href="#">45.25</a> | <a href="#">56.5</a> | <a href="#">75.3</a> | <a href="#">80.5</a> | <a href="#">56</a> |

## Takeaways:

- **President's Budget Request up and down over time** → FY25 proposed \$10M for IOOS Regional Observation (↓ \$32.5M or 76%) was disheartening
- **Congressional has appropriated modest but steady increases to IOOS over time** → NHABON directed funding encompassed in these increases

# IOOS Association FY25 Request



- **FY25 Request: \$56M**
  - \$50M core funding
  - \$6M for innovation, priority initiatives, and competitive grants (e.g., NHABON, OTT, COMT)
- **Considerations**
  - Core + Projects = FY25 authorized level (\$56M)
  - Justify increase over FY24 enacted as addressing inflation & asset depreciation
  - Start to socialize IRA capacity & projects that are tangible and resonate with Congress; prepare for cliff
- **Additionally... \$13M for Program Office**
  - Congress does not currently direct specific funding to IOOS (national)

# IOOS Association FY25 Request



## Dear Colleague Letters

- **House** → supported \$56M request
  - Pingree (D-ME), Carbajal (D-CA), Posey (R-FL)
  - 85 signatures → 12 Rs
- **Senate** → supported “at authorized level” (i.e., \$56M)
  - Cantwell (D-WA), Wicker (R-MS)
  - 27 signatures → 3 Rs

## FY25 Written Testimony

- IOOS Association
- NOS Roundtable, Friends of NOAA, OAR/NOS/CI coalition

# IOOS Association Response to FY25 President's Budget



- **Letter to Secretary of Commerce**
- **Activated our networks - Sign on Letters!**
  - [Letter explicitly opposing PB request](#) and advocating for specific funding level
    - 655 signatures
  - [Letter appropriate for federal partners](#) (non-lobbying) to demonstrate support for IOOS
    - 429 signatures
  - Encouraged individual stakeholder letters to Congress
  - Result = MANY user/partner testimonials to be used in communications of all kinds
- **CNN Article**

# FY25 Appropriations: Where we are now



## House and Senate bills

- Passed committees in July
- **House** → **\$56M for IOOS Regions**  
(↑ \$13.5M or 32% on FY24)
- **Senate** → **\$43.5 for IOOS Regions**  
(↑ \$1M or 2.3% on FY24)
- Both = good signal that IOOS regional funding will be ok (at least flat, possibly ↑)

## Continuing Resolution until March 14

- Included disaster supplemental funding; unclear how much may go to IOOS (e.g., for asset repair/replacement)

# FY26 Appropriations: Just getting started...



## **IOOS Association Request**

- Stay at \$56M for FY26 request
- Similar talking points to FY25: emphasize economy benefits
- Materials for outreach ready by the end of January

## **House letter to White House Office of Management & Budget**

- Advocating for \$56M in FY26 President's Budget
- 15 signatures (3 Rs)

## **Administration change**

- Will submit a letter to Trump transition team / new NOAA policy team

# Trump Administration: IOOS “asks”

## IOOS Association preparing a transition letter to Trump team

### Three “asks” (in development)

- Utilize the U.S. Integrated Ocean Observing System (IOOS) as a mechanism for further engaging the private sector in ocean data collection and innovation as part of a broader strategy for federal ocean data.
- Build robust pathways for institutionalizing operational ocean observations and integrating them into the weather enterprise, including formalizing the IOOS pan-regional “hurricane” glider program in IOOS base.
- Include \$56,000,000 for IOOS Regional Observations in the fiscal year 2026 president’s budget.

# IOOS Association Input on Authorization / Other Policy

## **IOOS Authorizing Legislation**

- ICOOS Act 2009; COORA 2020
- FY25 is last year of authorization
- Already working with Senate side committees of jurisdiction; begin House side engagement this year

## **Other Authorizing Legislation (118th)**

- Harmful Algal Blooms and Hypoxia Research and Control Act (HABHRCA) reauthorization
- Weather Act Reauthorization
- COLLABORATE Act
- Working Waterfronts Act / Ocean Regional Opportunity and Innovation Act

## **Administration (OSTP / Ocean Policy Committee) RFIs**

- National Ocean Biodiversity Strategy
- Sustainable Ocean Economy
- Marine Carbon Dioxide Removal Research Plan

# IOOS Association Programmatic Activities

**The IOOS Association** supports convening, communication, collaboration across the IOOS network in a number of ways; increasing coordination role under IRA



# Inflation Reduction Act (IRA)

NOAA IOOS managing \$217.7M in IRA funds, of which...

## **\$100M non-competitive funding to the IOOS RAs**

- Builds on existing core infrastructure with emphasis on enhanced data delivery, new partnerships, overburdened frontline communities; minimal O&M tail (5 years of funding)
- **\$55M for regionally specific work** → Divided equally among 11 RAs (\$5M each)
- **\$45M for pan-regional to national scale efforts (To be led by MARACOOS)**
  - Waves, water levels, and webcams (WWW) → low cost, hyper-local
  - Ecosystem Change → additional sensors on existing platforms, more water column data, enhance marine life data collection
  - Total to contribute to WWW & Eco Change = (~\$3.2M per region)
  - Equitable Service Delivery (\$3M) → assess and improve collective capacity to engage and support underserved communities
  - IOOS Association (+2 staff) will provide coordination and management of project

# Strategic Communications

- **Website refresh completed!**
  - Primary target audience: Congressional staffers
  - Better describe IOOS and links to regional work: Focus Area pages
- **Strategic Communications Ad Hoc Committee**
  - Formed at fall IA Board meeting to make recommendations for audiences, objectives, and mechanisms to increase strategic communications capacity with the Association (benefiting the regions as well)
  - Overarching goal / audience = building public support
  - Report back at spring meeting
- **Future**
  - Build out and utilize social media presence
  - Implementation of Strategic Communications committee recommendations (resource availability dependent)

# K-12 Toolkit

- **Contracted UCAR Center for Science Education (SciEd)**
- **Scope**
  - Build on existing RA resources (place based activities and case studies)
  - Package them in an accessible way with a national “wrapper” or context
  - Spanish translation
  - Compile recommendations & lessons learned from the effort
- **Three Themes**
  - Ocean Observations
  - Coastal Preparedness
  - Food from the ocean and Environmental Change
- **Now available on the IOOS Association website**
  - <https://ioosassociation.org/resources/k-12-education-toolkit/>

# NHABON Community of Practice

- **National Harmful Algal Bloom Observation Network (NHABON)**
  - Directed funding by Congress since Fiscal Year 2020 Appropriations
    - FY20: \$1M
    - FY21: \$2.5M
    - FY22: \$2.5M
    - FY23: \$3M
    - FY24: \$3.5M
- **IOOS Pilot Projects**
  - Each of the IOOS RAs is involved in a project
    - Deploying observing assets for HAB / toxin detection and monitoring
    - Data integration and tools
- **IOOS Association Role**
  - Support a steering committee
  - Helped develop a framework and implementation strategy
  - Community of Practice: cross-project communications, public webinars

# Caraid Award



## Recipients

2020: Ru Morrison, NERACOOS

2021: Libby Jewitt, NOAA OAP (at the time)

2022: Molly McCammon, AOOS

2023: Tara Owens, Hawai'i Sea Grant

2024: Dave Jones, Stormcenter Communications

2025: To be announced mid/late February

- Annual, created in 2020; nominations solicited in the fall, award announced late winter/early spring
- Recognizes outstanding contributions to observing and understanding our oceans, coasts, and Great Lakes through vision, leadership, friendship.
- “Caraid” is a Scottish Gaelic word, meaning “care” or “love” and is pronounced like “courage.” These are the attributes – caring and the courage to do what matters – that makes IOOS work.

# **IOOS Spring Meeting, March 25-26, 2025, Washington D.C.**

## **IOOS Association organizes the fall & spring IOOS community meetings**

- Spring meetings always in DC, in conjunction with Hill outreach
- Fall meetings rotate around IOOS regions

## **Agenda topics (in development)**

- Advancing IRA
- Strategic communications
- IOOS Funding: system sustainability, appropriations

## **IOOS 25th Anniversary celebration**

- Sponsorship needed!!!
- Evening event on the Hill
- Congressional awards
- Light speaking program (sponsorship opportunities)
- Could be first in a series of events (TBD)



**Thank you!**

[www.ioosassociation.org](http://www.ioosassociation.org)  
[kristen@ioosassociation.org](mailto:kristen@ioosassociation.org)

**BACK UP SLIDES**



# Updated Funding (non-NOAA)

| Categories  |   | AOOS                                | CariCOOS                            | CeNCOOS                             | GLOS                                | GCOOS                               | MARACOOS                            | NANOOS                              | NERACOOS                            | PacIOOS                             | SCCOOS                              | SECOORA                             |
|---|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>10: Financial support from non-NOAA Agencies (i.e., other Federal agencies, regional fisheries council, state agencies, foundations)</b> |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
| State gov't   | 6 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| BOEM  | 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Regional ocean council/Ocean protection council   | 4 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Foundations   | 5 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Organizational membership   | 3 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| USGS  | 2 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |
| NASA  | 6 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| City gov't  | 2 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| USACOE  | 0 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |

## Most common non-NOAA sources:

- State gov
- Foundations
- NASA → MBON most cases?

[LINK TO ACTIVITIES SPREADSHEET](#)