



IOOS Federal Advisory Committee

Dec 1, 2022

Kristen Yarincik
Executive Director,
IOOS Association

IOOS Association Activities Update

National Engagement

- US Ocean Climate Action Plan - comment
- IOOS role in IRA - comments to Dr Spinrad

Meetings

- Nicole LeBeouf, NOS AA
- Kim Miller, OMB
- Congressional Staff

Initiatives

- Working Group on Offshore Wind
- Low cost sensors - Submitted LOI
- Infrastructure and IRA
- NOS Roundtable Partnerships
- NAML Public Policy
- Possible Capitol Hill “Coastal Week”

IOOS Fall Meeting

November 8-10, 2022

- 1st in-person meeting in 2.5 years
- Brought together Directors, Operations Managers and Outreach Specialists
- Thank you to Julio Morell and his talented team at CARICOOS for hosting a great event!



- Break out Sessions -
 - Directors, Operation Managers, Outreach Specialists
- Preparing for the Future: New Blue Economy
- Pan Regional Opportunities:
 - Gliders, Back-Yard Buoys, low cost water level sensors
 - Scaling up
- Spotlight on CARICOOS

The Honorable Jenniffer Gonzalez- Colon



- Long term support of CARICOOS and IOOS
- Supported ICOOS Reauthorization
- Co-Chair House Ocean Caucus

IOOS DEIA Session

Reviewed DEIA Mission and Vision:

Link to overall mission and vision for IOOS

RA Lightning Talks on DEIA Efforts

Mentoring - SECOORA

Co-Production - Backyard Buoys - NANOOS, AOOS, PacIOOS

Indigenous Metadata considerations - GLOS

Community engagement audit - NERACOOS

DEIA Next Steps

Year 2 of DEIA Fellowship

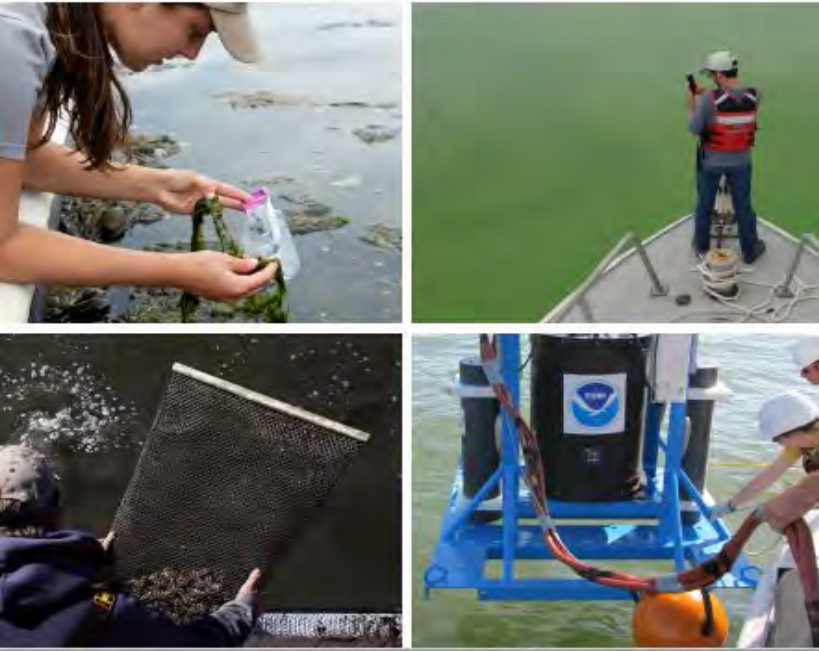
DEIA Working Group

Possible workshop focus, Spring 2023

Harmful Algal Bloom Observing Network

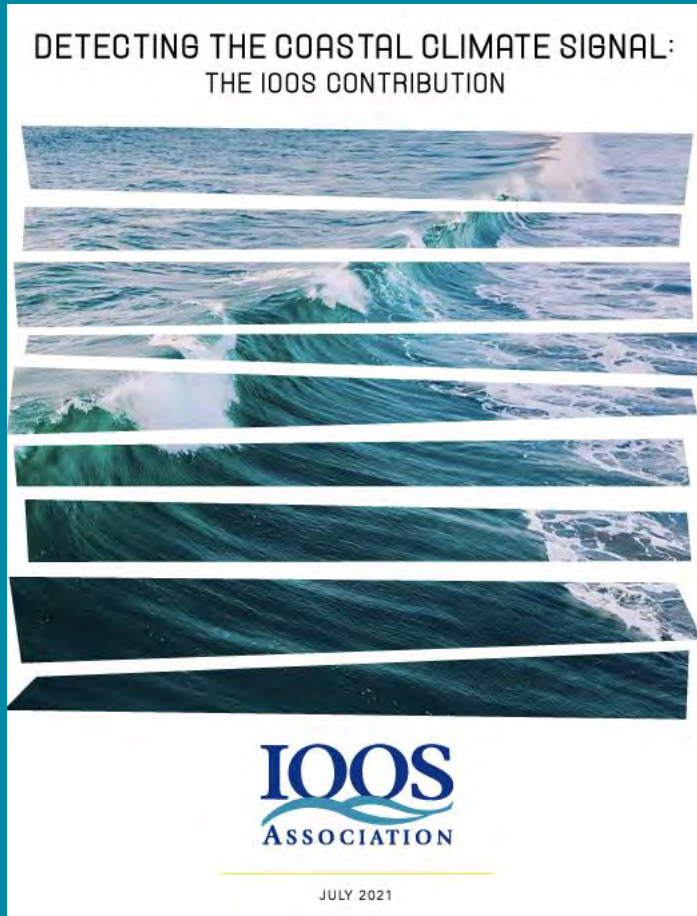
IMPLEMENTATION STRATEGY FOR A NATIONAL HARMFUL ALGAL BLOOM OBSERVING NETWORK (NHABON)

JANUARY 2021



- HAB Observing Network Framework (NCCOS and IOOS) (2019)
- FY 20 - Congress provided \$1M for 5 pilot projects
 - HAB Observing Network Implementation Strategy (IOOS Association, 2021)
- FY 21 – Congress increased support for 7 pilot projects, continued in FY 22
- Updates
 - Established HAB Observing Community of Practice -brings together feds, non-feds
 - Webinar series attended by over 120 people
 - Special session at International HAB Symposium

Detecting the Coastal Climate Signal



- IOOS FAC Recommendations
 - *Expand coastal obs*
 - *Modernize and recap*
 - *Technology innovation*
 - *Data integration*
 - *Equitable services*
- *CLIVAR Workshop Proposal*
- IOOC Task Team (proposed)

FY24 Appropriations

FY23 Appropriations - State of Play

Dec. 16 deadline, possible CR or omnibus



House

Where are we in the process?

- Passed 6 of 12 bills
- CJS has not been considered on the House floor

What's in it for IOOS?

- \$44M (39.5M base + \$4.5M HABs)
- This \$3M above FY22 enacted, and \$3.5M above the FY23 President's Budget request.

Senate

Where are we in the process?

- Released DRAFT bill text
- Rs & Ds have not agreed on top-line numbers so final numbers will likely be lower

What's in it for IOOS?

- \$46M (\$42.5M base + \$3.5M HABs)
- This is \$5M above FY22 enacted, \$5.5M above FY23 President's Budget request, and \$2M above the House mark.

Appropriations at a glance

| | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 | FY24 | FY25 |
|--|-----------|-----------|-----------|-------|------|------|------|------|
| Authorization Level (P.L. 116-271) | such sums | such sums | such sums | 48 | 50 | 52 | 54 | 56 |
| President's Budget | 29.4 | 19.4 | 19.4 | 19.4 | 69.5 | 40.5 | ? | ? |
| House Approps | 31 | 37.5 | 40.5 | 40.5 | 50 | 44 | ? | ? |
| Senate Approps | 33.7 | 37 | 39.5 | 40 | 47 | 46 | ? | ? |
| Enacted | 35 | 38.5 | 39 | 40.5 | 41 | ? | ? | ? |
| IA request | 35.9 | 42 | 43.7 | 45.25 | 56.5 | 75.3 | ? | ? |

Amounts in millions of dollars

IOOS Appropriations are tracked by ESP Advisors in this [shared document](#)

Our FY23 Request: Year 1 of 5 year campaign

Core Regional Association Support: **\$50M**

Infrastructure Repair and Modernization: **\$20.3M**

\$137M in need - \$35.75M expected from NOAA over five years of IJA

= \$101.25 remaining / 5 years of the campaign = \$20.25M

Innovation and Competitive Grants: **\$5M**

OTT & COMT

Total IOOS Regional request: \$75.3M

National Program Office: \$13M based on FY22 PB

Total: \$88.3M



REPAIR AND PREPARE

Regional IOOS Fiscal Year 2023 Request to Repair and Prepare: \$75.3 million
The IOOS Association FY 23 request for the IOOS Regional Observing budget line includes:

- 1. Core Regional Association Support: \$50 million**
This will provide sustained operational support, expand engagement to diverse stakeholders and communities, and allow the 11 IOOS Regional Associations to leverage resources to ensure efficiency, develop additional predictive capacity for users, and co-design useful applications for rapidly growing demands.

This funding will:
 - Ensure safe and efficient maritime transportation and commerce
 - Monitor ecological change
 - Improve understanding and notification of coastal hazards
- 2. Infrastructure repair and modernization: \$20.3 million**
After 20 years, IOOS observing infrastructure—buoys, gliders, radars, and more—is aging. To prevent loss of data and services, IOOS is embarking on a five-year "Repair and Prepare" campaign to fund the \$137 million needed to repair and modernize the regional systems.

The Infrastructure Investments and Jobs Act (IIJA) (P.L. 117-58) will fund part but not all of this need. We are anticipating a total of \$35.75 million from IIJA funds over the next five years. Our \$20.3 million request of Congress is the unmet need (\$101.3 million) spread over five years.
- 3. Innovation Competitive Grants: \$5 million**
Continued support for competitive grant programs for innovations including sensor development, autonomous sampling, and coastal modeling.

Total Request for Integrated Ocean Observing System Regional Observations: \$75.3 million
Congress provides \$20.3 million to address critical infrastructure aging concerns in the IOOS regional system, to be spent according to the highest priority needs of each Regional Association.

Request for IOOS National Program Office: \$13 million
For the IOOS National Office in the NOS Navigation, Observation and Position budget line to: (1) develop a biological and marine life observing program; (2) advance coastal modeling; (3) facilitate integration of non-federal efforts with NOAA, including NOAA's uncrewed system initiative; and (4) provide system management.

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Our FY24 Request: Infrastructure Component



FY23 Equation:

(Full need - total expected amount from NOAA through IJA over five years) / 5

$$(\$137M - \$35.75M) / 5 = \$20.25M$$

FY24: What we know

NOAA provided \$14M total over the first 2 years

- If we expect it to stay the same, that equals \$35M over the 5 years, slightly lower than expected
- We are now in year 2 of our 5 year campaign, so there will be 4 total years left

$(\$137M - \$35M) / 4 \text{ years} = \textbf{\$25.5M request of Congress this year}$

Our FY24 Request: Year 2 of 5 year campaign

Core Regional Association Support: **\$50M**

Infrastructure Repair and Modernization: **\$25.5**

Innovation and Competitive Grants: **\$5M**

OTT & COMT

Total IOOS Regional request: \$80.5M

National Program Office: \$13M based on FY22 PB



REPAIR AND PREPARE

Regional IOOS Fiscal Year 2023 Request to Repair and Prepare: \$80.5 million
The IOOS Association FY 23 request for the IOOS Regional Observing budget line includes:

| | |
|--|--|
| <p>1. Core Regional Association Support: \$50 million This will provide sustained operational support, expand engagement to diverse stakeholders and communities, and allow the 11 IOOS Regional Associations to leverage resources to ensure efficiency, develop additional predictive capacity for users, and co-design useful applications for rapidly growing demands.</p> <p>This funding will:</p> <ul style="list-style-type: none">• Ensure safe and efficient maritime transportation and commerce• Monitor ecological change• Improve understanding and notification of coastal hazards | <p>2. Infrastructure repair and modernization: \$25.5 million After 20 years, IOOS observing infrastructure—buoys, gliders, radars, and more—is aging. To prevent loss of data and services, IOOS is embarking on a five-year "Repair and Prepare" campaign to fund the <u>\$137 million needed</u> to repair and modernize the regional systems.</p> |
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Our FY24 Request: Infrastructure Component

FY24: What we don't know

- If IIJA funds will increase or decrease in the future
- What, if anything, Congress will provide for infrastructure in FY23

The DRAFT FY23 Senate bill would provide \$5M to “recapitalize and expand observing system infrastructure based upon the highest priority needs of each region.” Unclear how to interpret because also includes +1M for HABs.

The House bill did not reference infrastructure.



The background of the image is a deep blue with intricate, white, and light blue marbled patterns, resembling a high-quality marble or a close-up of a textured surface. The patterns are organic and swirling, creating a sense of depth and movement.

118th Congress

Republican House, Democratic Senate

Rs control the House; Ds control the Senate, both by VERY slim margins. What to expect?

- Oversight, oversight, oversight in the House
- Gridlock except for extremely bipartisan measures
- Fights over spending – conditions ripe for gov't shutdown
- Republican climate policy leader: Garret Graves
- R's likely to do away with proxy voting which has been very popular during COVID, allowing members to not be in DC when the House is in session
- House offices fully open - no more staff escorts

Committee Leadership

Party Rules & Processes for Picking Committee Leaders

(this is happening as we speak)

- **After the election, each chamber's party leaders and steering groups vet, recommend, and vote on committee leadership picks; once the new Congress convenes, each full chamber begins formally voting on its assignments**
 - In the Senate, committee leadership is determined based on seniority. In the House, seniority is only a factor.
- **Republicans have long-standing term limits on their committee leadership roles**
 - In the Senate, a GOP member can serve as chair for a maximum of six years or ranking member and then chairman for maximum of six years for each; accrued service does not need to be consecutive
 - In the House, rules limit GOP members to six consecutive years in a committee's leadership role, no matter if that time was spent as chair or ranking member
 - Waivers are possible, but rarely granted
- **Democrats in both chambers haven't placed restrictions on committee leadership service and generally defer to a colleague's seniority on the panel as a deciding factor**
 - Since Republicans will control the House, the GOP may seek to alter tradition and propose that its term limit rules also apply to House Democrats, adopting a change like this would drastically alter Democratic assignments



Senate

Senate Appropriations – Both Leaders Retiring

- **Patrick Leahy (D-Vt.) is retiring**
 - He's served as the panel's top Democrat since 2017
 - Patty Murray (D-Wash.) is next by seniority; she would need to give up her current top spot on the Health, Education, Labor & Pensions Committee to lead Appropriations in the 118th Congress
- **Richard Shelby (R-Ala.) also is retiring**
 - Susan Collins (R-Maine) is next in seniority and a likely option to succeed Shelby
- **As far as we know, Shaheen (D-NH) and Moran (R-KS) could still be the leaders on CJS**



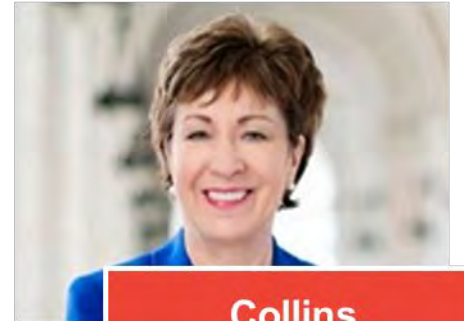
Leahy



Murray



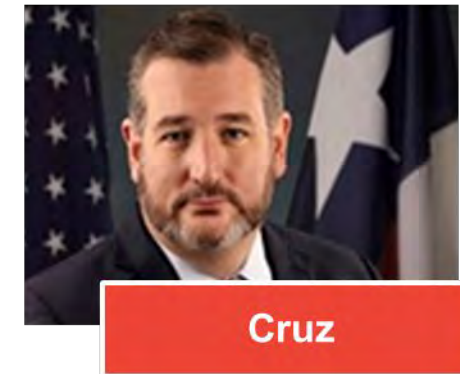
Shelby



Collins

Senate Commerce: Expected GOP Change

- **Maria Cantwell (Wash.) is likely to stay as top Democrat on the Commerce, Science, and Transportation Committee**
- **Roger Wicker (R-Miss.) is likely to leave the committee to replace Jim Inhofe (R-Okla.) on Armed Services**
 - Ted Cruz (Texas) will take the lead Republican position as Ranking Member





House

House Science: A New Democratic Leader

- **Eddie Bernice Johnson (D-Texas) is retiring**
 - Zoe Lofgren (Calif.) has seniority, but she leads the House Administration panel. She has not announced which gavel she wants
 - Suzanne Bonamici (Ore.) would be the next most senior Democrat who does not already lead a full committee
 - Voting on this is happening as early as next week
- **Frank Lucas (Okla.) is likely to stay on as the top Republican on the panel**



Johnson



Lofgren



Bonamici



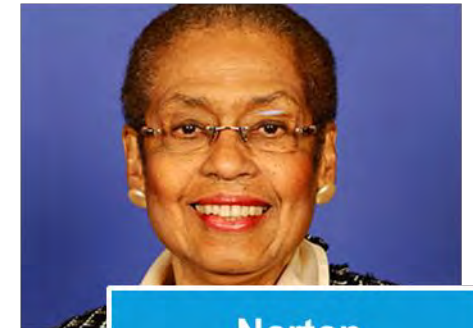
Lucas

House Transportation: A Race for the Democratic Spot

- **Peter DeFazio's (Ore.) retirement has sparked competing Democratic bids**
 - Eleanor Holmes Norton (D.C.) is the most senior Democrat on the committee, but her status as a delegate could factor into the race
 - Rick Larsen (Wash.) also is running for the position
- **Sam Graves (Mo.) is likely to stay on as the top Republican**



DeFazio



Norton



Larsen



Graves

Congratulations, Molly!



2022 Caraid Award Recipient

The word “Caraid” is a Scottish Gaelic word, meaning “care” or “love” and is pronounced like “courage.”

Dr. Ru Morrison was the first recipient of the award and the inspiration for its creation that honors both Ru’s collaborative spirit and his love for his Scottish homeland.

The attributes of Caraid - caring and the courage to do what matters - is what makes IOQS work.

IOOS Association - Ideas for Topics

Offshore wind. Explore options for IOOS regional data sharing requirements for streamlining access to offshore wind data.

Interagency participation. Increase interagency participation by encouraging programs to require or encourage IOOS RA participation in such as is done with COMT and OTT.

Inflation Reduction Act. Explore how IOOS can contribute to the IRA's requirement for coastal economic and climate resilience, specifically with public/private partners.

Low-cost sensors for coastal resilience. Review emerging low-cost sensors for community resilience (water levels, waves, webcams, etc.) deployed by several RAs and recommend options for enhancement

New House Committee Chairs. Introduce new House Committee leads to IOOS and the RAs

Thank you



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