



**AOOS**  
Alaska • [aoots.org](http://aoots.org)

**NANOOS**  
Northwest • [nanoos.org](http://nanoos.org)

**CeNCOOS**  
Central/Northern California • [cencoos.org](http://cencoos.org)

**SCCOOS**  
Southern California • [sccoos.org](http://sccoos.org)

**PacIOOS**  
Pacific Islands  
[pacioos.org](http://pacioos.org)

**GLOS**  
Great Lakes • [glos.us](http://glos.us)

**IOOS Headquarters ★**  
(NOAA)

**GCOOS**  
Gulf Coast  
[gcoos.org](http://gcoos.org)

**NERACOOS**  
Northeast • [neracoos.org](http://neracoos.org)

**MARACOOS**  
Mid-Atlantic • [maracoos.org](http://maracoos.org)

**SECOORA**  
Southeast • [secoora.org](http://secoora.org)

**CARICOOS**  
Caribbean  
[caricoos.org](http://caricoos.org)

# NAML Public Policy Meeting

IOOS Association

Josie Quintrell

March 25, 2022

# Strategic Plan



**STRATEGIC PLAN  
2021-2026**

ADOPTED OCT 2020

## MISSION

*The IOOS Association promotes regional and national ocean, coastal, and Great Lakes observing systems*

## VISION

*The IOOS enterprise has the resources to measure and predict the coast, ocean and Great Lakes to deliver sustained information, support decision making, and bring outstanding value to society.*

1

Increase funding for IOOS  
by 100 percent

2

Increase ability of IOOS to be  
responsive and innovative

3

Increase coordination across  
all IOOS agencies & regions

4

Increase diversity and inclusivity  
of network and partnerships

5

Increase visibility and reach of  
IOOS

6

Ensure the health and sustainability  
of IOOS Association



# Summary of Regional 5-year needs



## INFRASTRUCTURE SPEND PLAN

*The Integrated Ocean Observing System (IOOS) enterprise has the resources to measure and predict the coast, ocean and Great Lakes to deliver sustained information, support decision making, and bring outstanding value to society.*

Infrastructure Needs	Cost Estimate	Units
HFR	\$27,403,037	157
Glider	\$24,538,341	101
Moorings	--	--
Wave	\$10,705,520	68
Met ocean	\$5,365,000	82
Ecosystem	\$19,690,000	129
Animal Sensors	\$7,952,160	273
Water level sensors	\$3,825,760	282
Cyberinfrastructure	\$13,333,200	11
Drones, webcams	\$2,525,050	35
Fixed stations	\$10,304,335	132
Acoustic Arrays	\$2,710,000	56
Other	\$8,567,500	45
<b>TOTAL</b>	<b>\$136,919,903</b>	--

*Investing in the IOOS regional observing systems will stabilize, modernize and enhance delivery of the data and information necessary to ensure coastal communities have the information they need to prepare and respond to changing coastal conditions, including flooding, increased harmful algal blooms and extreme storms.*

# IOOS Appropriations

<i>Figures in millions</i>	FY 21	FY 22		FY 23	
	Enacted	President's Budget	Omnibus	President's Budget	IOOS Association Request
<b>IOOS Regional Observations (Total)</b>	<b>\$40.5</b>	<b>\$69.5</b>	<b>\$41</b>	<b>TBD</b>	<b>\$75.3</b>
1. IOOS Core and Directed Funds	\$36				\$50
2. Infrastructure Modernization					\$20.3
3. Innovation Competitive Grants	\$4.5	\$4.5			\$5
<b>U.S. IOOS Program Office*</b>	<b>\$6.8</b>	<b>\$13</b>	<b>TBD</b>	<b>TBD</b>	<b>\$13</b>
Total (Regional and National)	\$47.3	\$82.5			\$88.3

\*IOOS Office is funded in the NOS Navigation, Observation and Position Line

# Harmful Algal Blooms

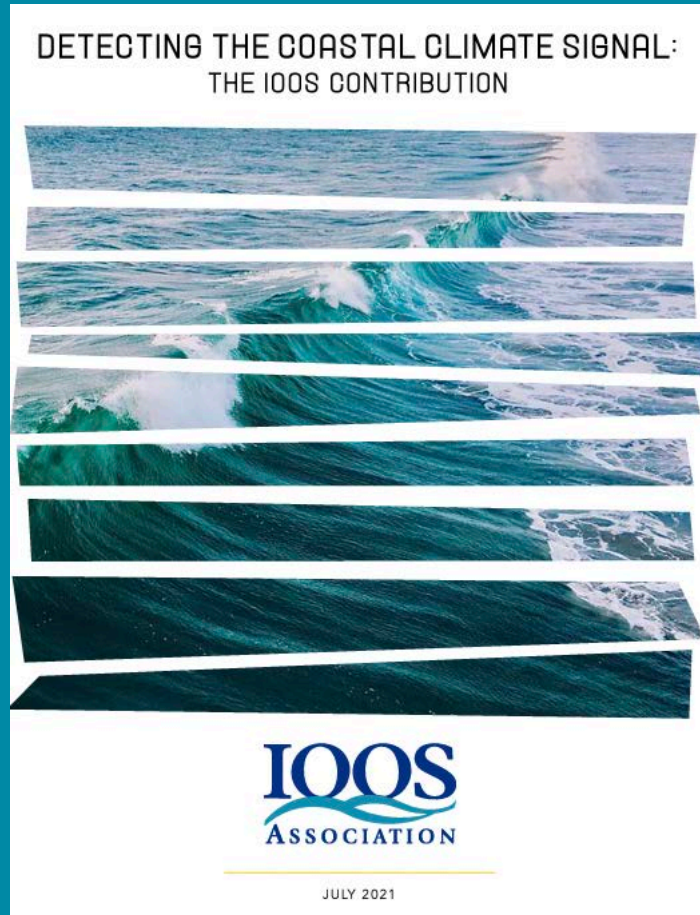
## IMPLEMENTATION STRATEGY FOR A NATIONAL HARMFUL ALGAL BLOOM OBSERVING NETWORK (NHABON)

JANUARY 2021



- HAB Observing Network Framework
  - (NCCOS and IOOS) (2019)
- HAB Observing Network Implementation Strategy (2021)
- Congressional Pilot Projects
  - NE, SE, Gulf, CA, NW, GL, AK
- HAB Observing Community of Practice
  - Brings together broad range of federal and non-federal partners
  - Hosting Webinar Series –
    - NHABON, Data Science, Making Community Science Work
  - Nominations for Steering Committee now open

# Detecting the Coastal Climate Signal



- Climate change is global but impacts vary regionally
  - *Sea level, inundation, lake water levels*
  - *HABs, OA, hypoxia*
  - *Marine heat waves*
  - *Extreme storms*
- 5 broad recommendations:
  - *Expand coastal observations*
  - *Modernize and recapitalize infrastructure*
  - *Technology innovation*
  - *Data integration*
  - *Equitable services*
- Climate Dialog series (on-going)
  - *Global to coastal (Sept 2021)*
  - *IOOS and fisheries (March 2022)*
  - *Ecological forecasting and marine life (TBD)*
  - *Delivering equitable services (TBD)*

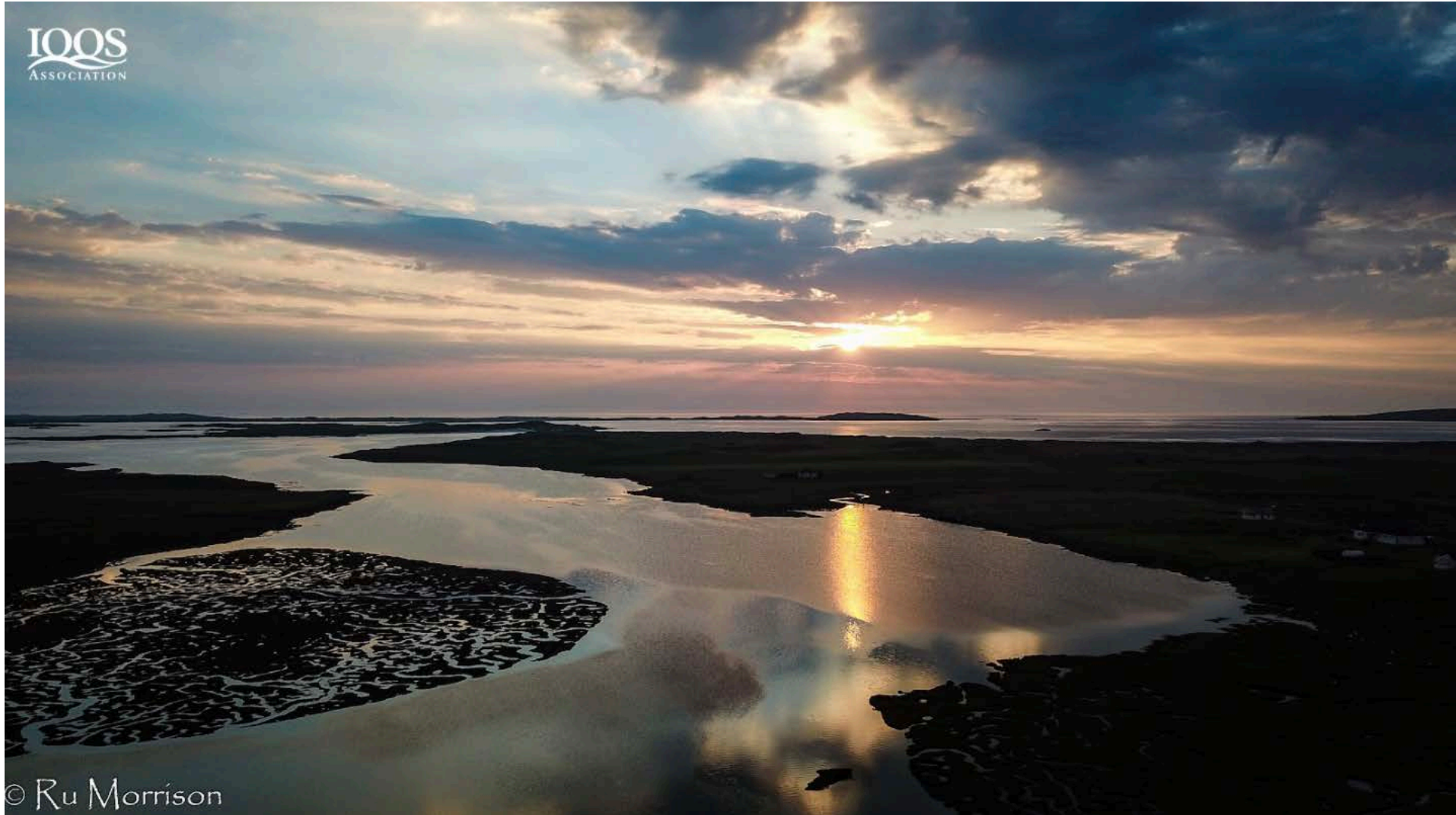
# Diversity, Equity Inclusion and Accessibility

Ashley Peiffer,  
2022 IOOS DEIA Fellow



- Regional Assessments
- Goals
  - Amplify existing and planned efforts to improve DEIA and service equity,
  - Research and recommend best practices for improving service equity, training opportunities for staff, workforce development and support, co-development and other activities
  - Facilitate information sharing, seek partnerships
  - Identify next steps including possible funding opportunities

# Questions



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