SECOORA Annual Meeting

June 2019
Josie Quintrell,
Executive Director, IOOS Association
Observing our oceans, coasts and Great Lakes
Providing information to those who need it, when they need it

• Advocacy
• Common Issues
• IOOS federal/non-federal partnership
  • Administration
  • Congress
  • National Partners
• Emerging Issues
• Special Projects
Congressional Outreach
Filling the Gaps: 5 yr Campaign

- Scalable campaign
- Tangible outcomes
- Align with Administration and Congressional Priorities
- Filling targeted gaps in:
  - HR Radars
  - Gliders
  - And Moorings?

CLOSING THE GAP CAMPAIGN
Phase 2: FY18-FY23 Multiyear Strategy

Desired outcome of discussion: Input from the regions and the Program Office on how to organize a successful campaign to fill critical gaps

<table>
<thead>
<tr>
<th>Phase 2</th>
<th>Year</th>
<th>Budget</th>
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<tbody>
<tr>
<td></td>
<td>2018</td>
<td>$32m</td>
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<tr>
<td></td>
<td>2019</td>
<td>$37m</td>
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<tr>
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<td>2020</td>
<td>$42m</td>
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<td></td>
<td>2021</td>
<td>$48m</td>
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<td>2022</td>
<td>$53m</td>
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Technologies:
- Gliders
- Moorings
- HFR

Themes:
- Resilience
- Fisheries/Biology
- Offshore Energy
- Blue Highway

Change in Administration

2018, $32M
2019, $37M
2020, $42M
2021, $48M
2022, $53M
FY 17-20 Request - Gaps Campaign

Integrated Ocean Observing System - IOOS

Saving Lives, Protecting Health & Promoting Commerce

Mapping Surface Currents

Seeing Underwater with Coastal Gliders

Image courtesy of USC
# FY 20 Appropriations

## Appropriations Chart for NOAA's National Ocean Service Regional IOOS

<table>
<thead>
<tr>
<th></th>
<th>FY14 Enacted</th>
<th>FY 15 Enacted</th>
<th>FY 16 Enacted</th>
<th>FY 17 Enacted</th>
<th>FY 18 Enacted</th>
<th>FY 19 Enacted</th>
<th>FY 20 Pres. Budget</th>
<th>FY 20 IA Request</th>
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<tbody>
<tr>
<td><strong>Regional IOOS Total</strong></td>
<td>$28.5m</td>
<td>$29.5m</td>
<td>$29.5m</td>
<td>$30.7m</td>
<td>$35m</td>
<td>$38.5m</td>
<td>$19.4m</td>
<td>$43.7m</td>
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**National network of regional infrastructure systems, gaps in radars and gliders**
- FY14 Enacted: $24.3m
- FY 15 Enacted: $25.2m
- FY 16 Enacted: $25.2m
- FY 17 Enacted: $26.4m
- FY 18 Enacted: $30.7m
- FY 19 Enacted: $34.2m
- FY 20 Pres. Budget: TBD
- FY 20 IA Request: $32.7m for systems, $3.2m for radars, $3.5m for gliders

**Marine Sensor Innovation Grants, Modeling Test Bed, Sensor Verification**
- FY14 Enacted: $4.2m
- FY 15 Enacted: $4.3m
- FY 16 Enacted: $4.3m
- FY 17 Enacted: $4.3m
- FY 18 Enacted: $4.3m
- FY 19 Enacted: $4.3m
- FY 20 Pres. Budget: TBD
- FY 20 IA Request: $4.3m

**U.S. IOOS Program Office**
- FY14 Enacted: $6.6m
- FY 15 Enacted: $6.6m
- FY 16 Enacted: $6.6m
- FY 17 Enacted: $6.6m
- FY 18 Enacted: $6.8m
- FY 19 Enacted: $6.8m
- FY 20 Pres. Budget: TBD
- FY 20 IA Request: $6.8m

**Total U.S. IOOS**
- FY14 Enacted: $35.1m
- FY 15 Enacted: $36.1m
- FY 16 Enacted: $36.1m
- FY 17 Enacted: $37.3m
- FY 18 Enacted: $41.8m
- FY 19 Enacted: $45.3m
- FY 20 Pres. Budget: TBD
- FY 20 IA Request: $50.5m

* Funding included in the Navigation, Observations and Positioning funding line

** Includes $1.5m for Regional Ocean Partnerships
Reauthorization of the ICOOS Act of 2019

Senate - S 914  Marked up in Senate
House - HR 1314  Hearing held in House
Other Legislation

H.R. 1941 - Coastal and Marine Economies Protection Act
• Rep Cunningham (D-SC) and Rep Rooney (R-FL), H.R. 1941 would place a permanent moratorium on offshore oil and gas leasing in the Atlantic Ocean, Straits of Florida and Pacific Ocean.

H.R. 205 - Protecting and Securing Florida’s Coastline Act of 2019
• Rep. Rooney (R-FL), and Rep Kathy Castor (D-FL), H.R. 205 would permanent the current moratorium that prohibits offshore oil and gas leasing off Florida’s Gulf Coast through June 30, 2022.

S 933 – BLUE GLOBE Act
Sen Whitehouse (D-RI) and Murkowski (R-AK), S 933 would enhance ocean monitoring by enhancing interagency coordination, expanding ocean exploration, creating innovation prizes and ARPA O for Oceans

Ocean Acidification – House Passes 4 bills
Coastal and Ocean Acidification Stressors and Threats (COAST) Research Act (Bonamici). Coastal Communities OA Act (Pingree), OA Innovation Act (Posey) and National Estuaries and Acidification Research Act (Kilmer)

National Ocean Partnership Program (NOPP)    Rep Panette (D-CA) introduced H.R. 3161 introduced in House to reauthorized the NOPP, Senator Wicker (R-MS) S 1439 MARAD to strengthen public and private partnership for oceanographic research and education
GULF OF MEXICO CONGRESSIONAL BRIEFING

Are we better informed today than before Hurricane Katrina and the Deepwater Horizon Disaster? A discussion on the state of coastal observing in the Gulf of Mexico.

SENATE OCEANS CAUCUS BRIEFING

Coastal Innovations: Enhancing security, economy and the environment

SENATE OCEANS CAUCUS BRIEFING

Buoying our Nation’s Economy: The Role of Ocean Data in Supporting the Blue Economy
Special Focus - Biology

HABs – operational observing network
Fisheries – integration of NMFS data
Marine biodiversity - adoption of data standards (Darwin core)
Sound - acoustics
New technologies - eDNA, IFCB, ESPs, etc
Stakeholder needs – RA identifying
Integrated Ocean Observing System (IOOS) Supports a National Network of Certified Regional Observing Systems

IOOS is essentially the weather service for the coastal ocean and Great Lakes, providing the ability to “see” what is happening above and below the water surface and making these insights readily available.

IOOS consists of 17 federal agencies with 11 regional observing systems.

All 11 regional observing systems meet rigorous federal standards for governance and data management.

Why Certification Matters

- IOOS provides national consistency while addressing unique and diverse regional needs.
- IOOS provides ready access and preserves data with transparency and documentation.
- Certification enhances efficient interagency coordination at the regional and national level.
Looking Forward

- Policy Meetings
  - IOOS Ex Comm and Program Office Leadership Discussion
    - Gaps Campaign and beyond
    - Funding decisions, building the network
- Economic Valuation - SECOORA part of pilot project
- Outreach Committee
- Ocean Obs 19 -- Hawaii 2019 – IOOS turns 20
- HAB operational network
- Recap, Biology, Unmanned vehicles
- 2020 All Hands Community of Practice
Thank you
Special Projects

**Philanthropy**
- the effort or inclination to increase the well-being of humankind, as by charitable aid or donations

**Economic Value of IOOS**

**RA User Survey**
• Stakeholder-driven, science-based and policy-neutral
Legislation

• Reauthorization of the ICOOS Act of 2009
  – S 914 -
    • Sen Wicker (R-MS) and Cantwell (D-WA) sponsors
    • Marked up in Committee
  – HR 1314
    • Rep Young (D-AK) sponsor
    • Hearing last week, w/Sea Grant

• Other bills
  – BLUE GLOBE (Bolstering Long-Term Understanding and Exploration of the GL, Oceans, Bays and Estuaries) Senate Ocean Caucus Bill on Monitoring,
  – NOPP – revitalizing the Nat’l Ocean Partnership Program
  – OA Bills in House  COAST
Building Support in DC

SENATE OCEANS CAUCUS BRIEFING
Buoying our Nation’s Economy: The Role of Ocean Data in Supporting the Blue Economy

Coastal Innovations: Enhancing security, economy and the environment
Economic Valuation – SECOORA

- Determining the value of IOOS Data
- Working with Dr Charlie Colgan of the Monterey Center for the Blue Economy
- Testing in 3 RAs this summer, SECOORA, CeNCOOS and NERACOOS
Upcoming Association

• Next five year proposal - 2020
• Ocean Obs 19 – Sept 16-20  Honolulu  20th Anniversary
• IOOS Federal Advisory Committee - June 3-4
• July Work Session - Future of the Gaps – Next Gen IOOS
  – Gaps Campaign, Aging Infrastructure, Emerging needs, Funding
• Economic Valuation Project – piloting this summer in 3 regions, expand to all next year
• National Partnerships – FoNOAA, Blue Group, NOS Roundtable, COL
• Hill - Monitor legislation - HABs, Weather CeNOTE Bill,
• Outreach Committee – Katie organizes, range of topics from outreach, products, and communications
• Add Picture of Decadal Study
• Ocean Obs 19
• UN Decade of the Ocean
FY 20 Request - $43.7 m for Regional IOOS

INTEGRATED OCEAN OBSERVING SYSTEM - IOOS
Saving Lives, Protecting Health & Promoting Commerce

Mapping Surface Currents
$3.2m

Seeing Underwater with Coastal Gliders
$3.5m