AOOS Board Meeting
May 2019

Josie Quintrell
IOOS Association
IOOS Association: Overview

• Advocacy
• Common Issues
• IOOS federal/non-federal partnership
  • Administration
  • Congress
  • National Partners
• Emerging Issues
• Special Projects

Observing our oceans, coasts and Great Lakes
Providing information to those who need it, when they need it
Congressional Outreach
Filling the Gaps: 5 yr Campaign

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

In 3 years - IOOS regional line increased by $7.5m
## 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>
</tr>
</thead>
<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>
</tr>
<tr>
<td><strong>National network of regional infrastructure systems, gaps in radars and gliders</strong></td>
<td>$24.3m</td>
<td>$25.2m</td>
<td>$25.2m</td>
<td>$26.4m</td>
<td>$30.7m</td>
<td>$34.2m**</td>
<td>TBD</td>
<td>$32.7m for systems, $3.2m for radars, $3.5m for gliders</td>
</tr>
<tr>
<td><strong>Marine Sensor Innovation Grants, Modeling Test Bed, Sensor Verification</strong></td>
<td>$4.2m</td>
<td>$4.3m</td>
<td>$4.3m</td>
<td>$4.3m</td>
<td>$4.3m</td>
<td>$4.3m</td>
<td>TBD</td>
<td>$4.3m</td>
</tr>
<tr>
<td><strong>U.S. IOOS Program Office</strong></td>
<td>$6.6m</td>
<td>$6.6m</td>
<td>$6.6m</td>
<td>$6.6m</td>
<td>$6.8m</td>
<td>$6.8m</td>
<td>TBD</td>
<td>$6.8m</td>
</tr>
<tr>
<td><strong>Total U.S. IOOS</strong></td>
<td>$35.1m</td>
<td>$36.1m</td>
<td>$36.1m</td>
<td>$37.3m</td>
<td>$41.8m</td>
<td>$45.3m</td>
<td>TBD</td>
<td>$50.5m</td>
</tr>
</tbody>
</table>

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

** Includes $1.5m for Regional Ocean Partnerships
FY 20 Request - $43.7 m for Regional IOOS

Mapping Surface Currents
$3.2m

Seeing Underwater with Coastal Gliders
$3.5m
Legislation

• ICOOS -
  – S 914 -
    • Sen Wicker (R-MS) and Cantwell (D-WA) sponsors
    • Marked up in Committee
  – HR 1314
    • Rep Young (R-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
Major Milestone: Certified National Network
IOOS Implementation Meetings

Fall 2018 IOOS Meeting

Special Focus - Biology
Fisheries
Marine biodiversity
HABs
Sound
New technologies
Stakeholder needs
Data integration

Spring 2019 IOOS Meeting

HAB Observing Network
Fisheries data integration
Upcoming

- Next five year proposal - 2020
- Ocean Obs 19 – Sept 16-20  Honolulu  20th Anniversary
- IOOS Federal Advisory Committee - June 3-4
  - Ru Member
- July  Work Session - Future of the Gaps
  - Gaps Campaign, Aging Infrastructure, Emerging needs, Funding
- Economic  Valuation Project – piloting this summer in 3 regions, expand to all next year – NERACOOS pilot
- National Partnerships – FoNOAA, Blue Group, NOS Roundtable, COL
- Hill - Monitor legislation - HABs, COAST, NOPP
IOOS & co. gliders 2018 - 2019

2018 & 2019 Estimated IOOS Glider Funding w/ OAR

- 2018:
  - OAR: $400,000
  - IOOS Hurricane Glider: $745,000
  - Total: $2,056,345

- 2019:
  - OAR: $800,000
  - IOOS Hurricane Glider: $650,000
  - IOOS Hurr Supp: $715,000
  - IOOS Glider: $3,162,500
  - Total: $6,532,500
U.S. IOOS: Program Overview

Partnership effort that leverages dispersed national investments to deliver ocean, coastal and Great Lakes data relevant to decision-makers.

Global Component
US contribution to Global Ocean Observing System (GOOS)
1 of 15 Regional Alliances of GOOS

National Component
17 Federal agencies

Regional Component
11 Regional Associations
Stakeholder driven
Academia, state/local/tribal government, private industry
NOAA National Ocean Service
Navigation, Observations, and Positioning: ‘National IOOS’ component FY18
Omnibus $6.8M & ‘Regional IOOS Observations’ $35M
Estimated Enacted levels are ‘post rescission’ totals for each year
‘Request’ = the President’s Budget Request
FY19 House Mark is first, next is Senate Mark, then Conference...
FY2019 IOOS Highlights

- Blue Economy
- Customer focus and stakeholder outreach
- ICOOOS Act reauthorization
- NOAA Weather Act & NOAA Water Initiative
- CENOTE Act 2018 (Commercial Engagement Through Ocean Technology Act of 2018)
- IOOS Advisory Committee

- Filling gaps $7.5M: Surface Currents, Gliders, Streamlined Access to observation information
- Biology and Harmful Algal Bloom Observing

Research and Development

- Ocean Technology Transition – new FFO for award in FY2020
- Coastal and Ocean Modeling Testbed COMT - Coastal / Ocean /Water Modeling, Forecasting, and Prediction
- ACT workshops for IOOS RAs and OAR Labs and Cooperative Institutes
Looking forward - importance of the ocean

- OceanObs’19 - Regional - Coastal - Global
- Essential Ocean Variables and Communities of Practice
- White House (OSTP) Science and Tech for America’s Oceans: A Decadal Vision
- UN Decade of Ocean Science for Sustainable Development