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
## Appropriations

<table>
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<tr>
<th></th>
<th>FY 12 Spend Plan</th>
<th>FY 13 Spend Plan</th>
<th>FY 14 Enacted</th>
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<th>FY 20 House</th>
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<td><strong>Regional IOOS Total</strong></td>
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<td>**U.S. IOOS Program</td>
<td>$6.4m</td>
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<td><strong>Total U.S. IOOS</strong></td>
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$1.5m for ROP moved to OCM so this would be an increase for IOOS. Senate mark includes language for $1m for a HAB operational network. Both the
FY 21 Request - Continue Gaps Campaign

Mapping Surface Currents

Seeing Underwater with Coastal Gliders

Image courtesy of Ben Hollings, Blue Ocean Monitoring

Image courtesy of USC
Reauthorization

**SENATE**

Senators Wicker and Cantwell sponsored S 914 Coordinated Ocean Observations and Research Act of 2019

**House**

HR 729 Coastal and Great Lakes Communities Enhancement Act PASSED HOUSE 12/12/19
PLANNING FOR FY21-25
NATIONAL & INTERNATIONAL PERSPECTIVES

• Closing the Gaps
• OceanObs’19 follow-up
• UN Decade of the Ocean
• White House Summit
• Presidential Memo on Ocean Mapping
• NOAA’s S&T Priorities
• IOOS Grand Challenges
Closing the Gaps: What next?

- Scalable campaign
- Tangible outcomes
- Align with Administration Priorities
- Filling targeted gaps in:
  - HR Radars
  - Gliders
  - And Moorings?
OceanOBS’19 FOLLOW-UP

IOOS 20th Celebration!
Clean Ocean
Healthy resilient ocean
Safe ocean
Predicted ocean
Sustainable & productive ocean
Transparent & accessible ocean
White House Summit

- Exploring the Ocean
- Conserving Living Marine Resources
- Protecting Coastal Health and Safety
- Sustaining Ocean Observations
- Promoting Food Security
- Enabling Ocean Energy
- Characterizing Ocean Life
- Leveraging Big Data

Takeaways:
- US poised to lead new era of bold ocean S&T
- Partnerships across academia, philanthropy, the private sector, and government are essential to advancing ocean S&T
- A collaborative and dynamic strategy for partnerships in ocean S&T will coordinate, focus, and catalyze a national effort
Ocean Mapping

- Nov 19 Presidential Memorandum For Mapping US EEZ AND Shoreline & Nearshore of Alaska
- Develop national strategy for mapping, exploring & characterizing US EEZ
- Within 180 days develop strategy for mapping Arctic & Sub-Arctic shoreline & nearshore of Alaska
- Work with state and AMEC
NOAA’s Science and Technology Priorities

Draft NOAA Unmanned Systems Strategy
Maximizing Value for Science-Based Mission Support

Draft NOAA Artificial Intelligence Strategy
Analytics for Next-Generation Earth Science

Draft NOAA Cloud Strategy
Maximizing the Value of NOAA’s Cloud Services

Draft NOAA ‘Omics Strategy
Strategic Application of Transformational Tools

IOOS Association Submitted comments due
December 16th
IOOS Grand Challenges for the next Decade

- Ensure that all US coastal communities have accurate and timely storm surge and water level predictions
- Provide indicators and forecasts on the status and health of the oceans and Great Lakes, including protected species, fisheries, water quality, HABs, OA, hypoxia and other parameters, on a regular basis
- Develop periodic, routine assessments of species richness and biodiversity (start with biology and ecosystem EOVs) throughout the US coast, inland oceans/Great Lakes, and EEZ
- Accelerate the power of innovation in technologies, techniques, synthesis and forecasting to provide knowledge for action, including areas of modeling, sensor development, eDNA, machine learning, IT advances, and data visualizations
- Provide rapid and seamless access to data and information that includes the integration of data across disciplines and from the regional to national to global scales
- Contribute to global mapping initiatives
Questions for the AOOS Board

• What are AOOS priorities?
• What do we want to accomplish in next decade?
• How can we use these initiatives to further these goals?