

The U. S. Integrated Ocean Observing System (U.S. IOOS®)
A federal/regional program sponsored by NOAA/NOS
Fiscal Year 2015 Budget Request



Interagency, mission driven, science based

- The ocean, coastal and Great Lakes analog of the National Weather Service
- Enhances the nation's ability to observe our oceans, coasts and Great Lakes.
- A partnership between 17 Federal agencies and a national network of 11 regional coastal observing systems, and the Alliance for Coastal Technologies (ACT).
- Promotes efficiency in government – measure once, use multiple times



Responding to Critical Needs

- Real-time observations on changing ocean conditions, especially changes in water temperatures, needed to accurately predict storm intensity.
- Information assisted emergency managers during and after Hurricane Sandy with planning and restoration efforts.
- 56% of the marine data used by the NWS comes from IOOS Regions using IOOS data standards
- Real time information on upwelling conditions enables shellfish growers to mitigate impact of ocean acidification.

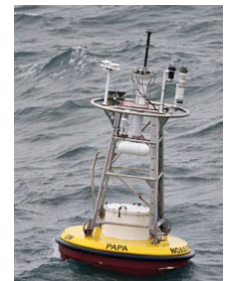
Independent Cost Estimate Demonstrates Program is Under Funded

- Fully developed system – federal and regional, including weather and ocean satellites - to address key societal needs in next 15 years is estimated to cost \$54 billion.
- \$534 million annually to fulfill needs of users for timely and quality information as identified in regional build out plans. \$65 million annually for data management, coordination and stewardship activities necessary for IOOS to create a national system
- Beneficiaries include search and rescue personal, commercial shippers, fishermen, emergency personal, managers and the general public.



FY 15 IOOS Request

- No less than \$30 million to support the ongoing operation of the national network of regional coastal observing systems. This would increase base funding to \$23 million to the national network to provide core data and information and to ensure that systems are operational in the face of the next hurricane or extreme weather event, as well as provide \$7 million for the continued operation of the nation's only high frequency radar network for the collection of real-time surface current observations and to fill critical gaps and to bring all systems to full capacity.
- \$10 million for marine sensor innovation grants. The marine sensor innovation program was initiated in FY 13 to support the transition of promising sensors from the development to operations to fill critical gaps in monitoring such as biology, harmful algal bloom and ocean acidification. These competitive awards were made to teams of IOOS regions, industry, and Federal partners ensures that IOOS remains state-of-the art and responsive to user needs.



IOOS Association:

A non-profit organization supporting the nation's need for improved information of our oceans, coasts and Great Lakes.

Format 1

	FY 09	FY10	FY11	FY 12	FY 13 CR	FY 14 Pres	FY 14 Sen	FY 14 House	FY 15
Regional IOOS Total	\$21m	\$27m	\$21.95m	\$23 m	\$ 28.5¹	\$34.5	\$35 m	\$25m	\$40m
<i>Competitive funding for the national network of regional systems</i>	19M	\$20m	\$20m	\$17m	\$20m	\$19.52			\$23m
<i>Real Time Surface Current Mapping</i>				\$5m	\$5m	\$5			\$7m
<i>Marine Sensor Innovation Grants</i>					\$1m	\$10			\$10m
<i>Modeling Test Bed (COMT) & Sensor Verification(ACT)</i>	1.25M	\$7m	\$1.95m	\$1m	\$2m				
National IOOS Total	\$6.5m	\$6.5m	\$6.5m	\$6.4m	\$6.4m	\$6.5m	\$6.5 m	\$6.5 m	\$6.5m
Total U.S. IOOS	\$27.5m	\$33.5 m	\$28.4m	\$29.4 m	\$34.9 m²	\$41.02	\$41.5 m	\$31.5 m	\$46.5m

Format 2

FY 15 Request	FY 09	FY10	FY11	FY 12	FY 13 CR	FY 14 Pres	FY 14 Sen	FY 14 House	FY 15
Regional IOOS Total	\$21m	\$27m	\$21.95m	\$23 m	\$ 28.5³	\$34.5	\$35m	\$25m	\$40m
<i>Competitive funding for the national network of regional systems</i>	19M	\$20m	\$20m	\$22m* (\$5m)	\$25m (\$5m)	\$24.52 (\$5m)			\$30m (\$7m)
<i>Marine Sensor Innovation Grants, Modeling Testbed, Sensor Verification</i>	1.25M	\$7m	\$1.95m	\$1m	\$3m	\$10			\$10m
National IOOS Total	\$6.5m	\$6.5m	\$6.5m	\$6.4m	\$6.4m	\$6.5m	\$6.5m	\$6.5 m	\$6.5m
Total U.S. IOOS	\$27.5 m	\$33.5m	\$28.4m	\$29.4 m	\$34.9 m⁴	\$41.02	\$41.5 m	\$31.5 m	\$46.5m

¹ Does not include sequestration or other cuts

³ Does not include sequestration or other cuts

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Regional Associations Across the United States



IOOS Regional Associations

Alaska - AOOS Molly McCammon
Caribbean - CariCOOS Julio Morell
Central and Northern California - CeNCOOS Dr. Leslie Rosenfeld
Gulf of Mexico - GCOOS Dr. Ann Jochens
Great Lakes - GLOS Dr. Jen Read
Mid Atlantic - MARACOOS Dr. Gerhard Kuska
Northwest - NANOOS Dr. Jan Newton
Northeast - NERACOOS Dr. Ru Morrison
Pacific Islands - PacIOOS Heather Kerkering
Southern California - SCCOOS Julie Thomas
South East - SECOORA Debra Hernandez

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