



Our Eyes on the Ocean, Coasts, and Great Lakes

Revised - FY2019 AOOS Award Information

July 17, 2019

Dear Ms. McCammon,

The U.S. IOOS Office has recommended funding in the amount of \$4,491,512 in FY2019 for your NOAA award #NA16NOS0120027, entitled, *“Implementation and Development of Regional Coastal Ocean Observing System: Alaska Ocean Observing System.”* The Grants Management Division will notify you of the availability of these funds.

At your request, we have held back \$25,000 for transfer to Kris Holderied at NOS/NCCOS' Kasitsna Bay Lab. These funds are not included in the recommended funding level mentioned above.

The Consolidated Appropriations Act, 2019 provided IOOS program increases with associated guidance from the Senate and conference appropriations report language. The Senate “directs NOAA and the IOOS regions to work with Federal agencies collecting regional observations to better integrate and disseminate information with the goal of reducing duplicative efforts and to provide users with streamlined access to observational information. In addition, within funding provided above the request for IOOS, NOS shall work to complete and operate the National High Frequency Radar System, and is encouraged to utilize autonomous underwater gliders in support of the observing system’s mission.” The Conference mark states “within funding for the Integrated Ocean Observing System (IOOS) Regional Observations, \$1,500,000 is for the regional ocean partnerships, or their equivalent, to enhance their capacity for sharing and integration of Federal and non-Federal data to support regional coastal, ocean, and Great Lakes management priorities as outlined in Executive Order 13840. The IOOS Program Office shall coordinate with the Office of Coastal Management on the implementation of these funds. This effort is not intended to detract from the existing work of IOOS, but to enhance collaboration and coordination in the regions.”

The recommended funding amount for FY2019 is different than requested in the proposal. A special award condition (SAC) is placed on your cooperative agreement requiring you submit a revised work plan for FY2019 based on this new funding level. Please begin working with your constituents now. Refer to your official award documents, when you receive them later this year, for the due date applicable to this task. As you consider which products or services will be affected by the change in funding, we request that you consult with the IOOS Office prior to removing any type of assets from deployment, including any proposed reduction in your DMAC capabilities.

In accordance with ICOOS Act direction to the U.S. IOOS Office to develop national system capacity, please make the following allotments with FY2019 funding:

Core IOOS Funding - \$2,575,136 (\$2,600,136 including hold back)		
Amount	Funding Area	Task
\$1,924,136	RCOOS	Operational funding after \$25,000 hold back for NCCOS Kasitsna Bay Lab SPEND PLAN APPROVED BY AOOB BOARD 5/22/19
\$156,000	HF Radar – O&M	For HF radar system operations and maintenance. While you may allocate these funds to support any HF radars within the region, the allocation should not be one that negatively affects the performance of priority HF radars for the benefit of non-priority HF radars. HF radar performance is measured by a metric that was developed with input from the IOOS National HF Radar Technical Steering Team and the IOOS HF radar community. To ensure that IOOS HF radar expertise is engaged to the largest extent possible, any HF radar quality control or quality assurance development funded by IOOS is required to include no fewer than three IOOS regions. APPROVED BY AOOB BOARD 5/22/19
\$195,000	Fill the Gaps - Adjustment to Base	Glider Operations / deployments – UAF CFOS
\$120,000	Fill the Gaps - Adjustment to Base	Surface Currents - O&M for HF radars purchased with FY18 funds, plus additional radar and remote power module for Bering Strait region – UAF CFOS
\$100,000	Fill the Gaps - Adjustment to Base	Glider procurement (batteries and sensors) – UAF CFOS
\$80,000	Fill the Gaps - Adjustment to Base	Water Level Observing Pilot Projects SEE PROPOSED ADDITIONS MEMO FOR ADDITIONAL INFO

- Core funding is the total of “RCOOS” + “HF Radar O&M” + “Fill the Gaps – Adjustment to Base” and is the starting point for determining next year’s funding for the RA, if appropriations are level.
- “RCOOS” funding is the amount that has been referred to as “RCOOS Base” in past years. Identifying this amount allows the IOOS Office to track baseline funding levels to previous years.
- “Fill the Gaps - Adjustment to Base” is funding that will be included in the RA’s next year’s Core funding level if appropriations are level. This does not include one-time procurements or add-ons.

- “HF Radar – O&M” is the HFR O&M funding level from past years and does not include O&M for radars added with “Fill the Gaps” funds.

IOOS, NOAA, and Other Agency Funding		
Amount	Funding Area /Recipient	Task
\$452,505	Ocean Acidification	Funds are intended for the preparation, collection, processing, and analysis of Alaskan carbon data by the Ocean Acidification Research Center at the University of Alaska, Fairbanks. This includes time-series missions from the GAK 1 and M2 mooring sites in the Gulf of Alaska and Bering Sea as well as the Distributed Biological Observatory in the Chukchi Sea. It additionally includes funding to support the collaboration of the Ocean Acidification Research Center in an upcoming NOAA carbonate chemistry mission to the Gulf Alaska. PASS THROUGH FUNDS TO UAF
\$350,000	Axiom	Axiom work on Animal Telemetry Network Data Assembly Center FUNDING TRANSFER DELAYED, BUT STILL NEEDS TO BE ACCEPTED
\$287,000	AK Earthquake Center	NWS Office of Observations funds for AK Earthquake Center -improve the robustness of NOAA tsunami warnings for earthquakes in Alaska. This project supports NOAA’s Weather-Ready Nation initiative by providing capacity that would otherwise not exist in the Alaska. PASS THROUGH FUNDS TO UAF
\$166,262	Regional Ocean Partnership	Regional Ocean Data Sharing Initiative
\$100,000	Modeling	Notre Dame University project to enhance grid generation software to better represent river-coastal grid interface. AOOS/AXIOM PORTION OF LARGER PROJECT FUNDED BY IOOS
\$80,000	Axiom	Axiom maintain and enhance Data Access Service Software-ERDDAP
\$60,000	Axiom	Axiom work on Environmental Sensor Map and Global Data Integration
\$50,000	Axiom	Axiom work on MBON Portal

\$50,000	NOAA Alaska Regional Collaboration Team Project	Make Alaska Fisheries Science Center Ecosystem status reports available electronically via the AOOS data management system and feed status report products by linking the observational data behind the ecosystem indicators. Methods will support similar activities in other regions.
\$50,000	Fill the Gaps – One-time System Add-on	Joint funds from IOOS/CO-OPS for AOOS water levels (\$25,000 IOOS, \$25,000 CO-OPS) PHASE II OF WATER LEVEL DATA PORTAL
\$50,000	Alaska Coastal Strategist	AK Coastal Management Strategist (Marta Kumle) PLUS ADDITIONAL \$25K FROM USGS TO BE RECEIVED IN FALL 2019
\$45,033	Axiom	From PMEL for Axiom work on Saildrone data QC funded by NOAA HPC Program
\$41,000	Axiom	Axiom to implement the project 'Optimizing Machine Learning Pipelines for Novel Biological Data Streams' as proposed to the NOAA HPCC program
\$35,750	Arctic Research Program	State of the Arctic Report PASS THROUGH FUNDS TO UAF
\$30,000	Axiom	Axiom work to finalize HFR Range Series file archiving through Research Workspace
\$30,000	Ocean Acidification	"Turning the headlights on 'high': Improving an ocean acidification observation system in support of Pacific coast shell fish growers". THESE FUNDS MAY GO TO HAKAI, OR ONE OF THE ENTITIES SUPPORTING THE OA BURK-O-LATORS IN SEWARD, SITKA, KETCHIKAN AND KODIAK.
\$15,000	Ocean Acidification	AOOS Alaska Ocean Acidification Network (ACAN, Dugan)
\$15,000	Biology	Biology pilot projects in honor of Matt Howard to advance IOOS biology through biological data stewardship activities in the region, in coordination with the Program Office. IOOS RAs should work with regional data providers and stakeholders to align biological datasets to the Darwin Core standard and make them available through ERDDAP servers and the MBON Portal.
\$8,826	Ocean Acidification	AOOS Thresholds in a changing ocean environment: bioeconomic implications to inform adaptation decisions for Alaska's salmon fisheries (Dugan, AOOS). AOOS PORTION OF LARGER PROJECT FUNDED BY OA PROGRAM COMPETITION

Please note, with the exception of the Core Regional IOOS Funding, the above allotments may not be cut as part of your revised work plan.

Feel free to contact me regarding your FY19 funding at [240-533-9453](tel:240-533-9453). If you have technical questions about how to initiate an award action request in Grants Online, contact the Grants Online Help Desk at [1-877-662-2478](tel:1-877-662-2478).

Regards,

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Dave Easter

U.S. Integrated Ocean Observing System