

Aquaculture and NOAA Sea Grant

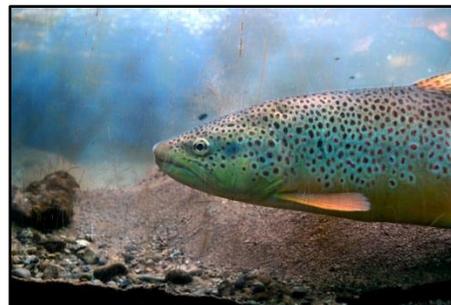
Sea Grant
50
YEARS

In 1966, the National Sea Grant College Act was signed into law, allowing for a partnership between the federal government and universities to tackle the issues most dire to coastal communities.

Fifty years later, the National Sea Grant College Program has grown into a trusted resource and supporter of U.S. aquaculture in coastal, marine, and Great Lakes areas. Through research, education, and outreach, Sea Grant continues to provide the aquaculture industry with the tools and information necessary to grow and thrive in a changing economy.

Highlighted Accomplishments from the Sea Grant Network

- **Florida Sea Grant** worked with partners to develop a standardized aquaculture curriculum for middle and high school students that instructors can use to teach science, math, and vocational skills through hands-on experiences operating a full-scale aquaculture facility in their school.
- **California Sea Grant** researchers identified and analyzed social constraints in Hawai'i, California, and the U.S. East Coast that may be affecting the development of an offshore aquaculture industry in the U.S. California Sea Grant researchers then provided options to mitigate identified challenges to NOAA's Marine Fisheries Advisory Committee Aquaculture Task Force.



Oden State Fish Hatchery in Oden, MI. Credit: Todd Marsee, Michigan Sea Grant.



Point aux Pins Oyster Farm in Grand Bay, AL. Credit: Mississippi-Alabama Sea Grant.

- **New Hampshire Sea Grant** developed multi-trophic aquaculture technology. The integrated aquaculture of steelhead trout, mussels, and sugar kelp has been accepted by the EPA and state regulatory agencies, creating additional income for fishermen while improving water quality.
- **Minnesota Sea Grant** and **Michigan Sea Grant** adapted the Hazard Analysis and Critical Control Point (HACCP) risk management strategy for the prevention of aquatic invasive species (AIS) through aquaculture. The HACCP approach focuses on points in the aquaculture process that are critical to halting the spread of invasive species, minimizes risks, and stresses communication between regulators and the industry. Sea Grant has led many training workshops on the AIS HACCP process.

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NOAA National Sea Grant College Program

1315 East-West Highway Silver Spring, MD 20910

seagrant.noaa.gov

Contact Information: oar.hq.sg.aquaculture@noaa.gov

2016 Aquaculture Request for Proposals

Current Funding Opportunity: Depending on the availability of funds, NOAA Sea Grant expects to have up to \$3 million available for a national competition to fund new FY 2016 aquaculture research projects. This is part of the overall plan to support the development of environmentally and economically sustainable ocean, coastal, or Great Lakes aquaculture. Topical priorities for this competition are:

- Research to inform pending, regulatory decisions regarding aquaculture on the local, state, or federal level leading to an information product—such as tool, technology, template, or model—needed to make final decisions on a specific question
- Research that supports the introduction, and/or increase in production of new and emerging species of aquaculture interest
- Research that supports continued seafood safety and product quality
- Social and/or economic research targeted to understand aquaculture issues in a larger context.

Applicants must describe how their proposed work will rapidly and significantly advance U.S. aquaculture development in the short term (1-2 years after project completion).



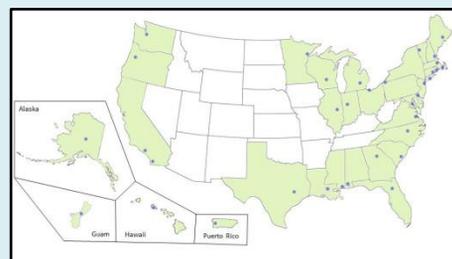
Maine extension agents tend an experimental kelp farm in Frenchman Bay, Maine. Credit: Catherine Schmitt, Maine Sea Grant.

Eligibility: Institutions of higher education, nonprofit organizations, commercial organizations, State, local and Indian tribal governments are eligible. Federal agencies and their personnel are not permitted to receive federal funding under this competition; however, federal scientists can serve as uncompensated partners or co-Principal Investigators on proposals. Directors of the state Sea Grant Programs are not eligible to compete for funds under this announcement.

Deadlines: Pre-proposals must be received by electronic mail to the National Sea Grant Office by 5:00 p.m. Eastern Time on **March 10, 2016**. Full Proposals are due from applicants to the state Sea Grant Program by 5:00 p.m. Eastern Time on **May 12, 2016**.

Use the code below for more information on the 2016 NOAA Sea Grant Aquaculture Research Competition.

About NOAA Sea Grant: There are 33 Sea Grant Programs, one in every coastal and Great Lakes state including Puerto Rico and Guam. The Sea Grant model, captured in the National Sea Grant College Act of 2008, integrates research, outreach, and education for science with real world impacts. To share and explain new research discoveries, engage citizens in decision-making processes and empower stakeholders to address national, state, and local issues as they emerge, Sea Grant reaches out through programs of education, extension, and communication. Specialists in each of these areas translate research into usable information and products for many audiences, ensuring that scientific information is delivered to those who need it.



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