Putting coastal and Great Lakes science to work for communities since 1968

Jonathan Pennock, Jim Hurley & Amber Mace
National Association of Marine Laboratories – March 2018

Photo: Coastal marsh, Maryland Sea Grant
Sea Grant: Federal-private partnership

5% of Federal appropriations stays here

95% of Federal appropriations plus non-federal match of 50% goes to University-based programs
Sea Grant Mission

To enhance the practical use and conservation of coastal, marine and Great Lakes resources to create a sustainable economy and environment.
National Sea Grant College Program

Federal oversight and management of program

Sea Grant Association

NGO representing University-based leadership of Sea Grant

National Sea Grant Office

Federal Advisory Committee

National Sea Grant Advisory Board
Sea Grant’s Approach

Research ↔ Extension ↔ Education

Communities
Sea Grant’s Focus Areas

Healthy Coastal Ecosystems

Resilient Communities and Economies

Sustainable Fisheries and Aquaculture

Environmental Literacy and Workforce Development
Sea Grant’s Coastal Research

Understanding impacts of OA on shellfish farmers northwest
Predicting algal blooms in several locations
Rip current safety in North Carolina
Sea Grant’s Coastal Outreach

Beach habitat restoration in New Hampshire
Kauai County softens approach to beach restoration in Hawaii
County identifies problems, solutions to beach closures in Wisconsin
Sea Grant By the Numbers (2016)

- $611M Economic Benefit
- 7,110 Jobs created or sustained
- 366,108 Volunteer hours
- 494 Communities improved resilience
- 494 Communities improved resilience
- 1,473 Scientists affiliated with Sea Grant
- 2,367 Graduate and undergraduate students supported
- 2,958 Partners
- 2,958 Partners
- 7,110 Jobs created or sustained
- 2,012 HACCP certifications issued by Sea Grant
- 611M Economic Benefit
- 7,110 Jobs created or sustained
- 366,108 Volunteer hours
- 494 Communities improved resilience
- 494 Communities improved resilience
- 1,473 Scientists affiliated with Sea Grant
- 2,367 Graduate and undergraduate students supported
- 2,958 Partners
- 2,958 Partners
National & NOAA Priorities = Opportunities
National & NOAA Priorities = Opportunities

1. Fully implementing the Weather Act by leading the world in Earth Observation and Prediction and minimizing the impact of Extreme Weather & Water Events in the U.S.

1. Increasing the Sustainable economic contributions of our fisheries and ocean resources.
National & NOAA Priorities = Opportunities for Sea Grant

Healthy Coastal Ecosystems

Resilient Communities and Economies

Sustainable Fisheries and Aquaculture

Environmental Literacy and Workforce Development
Sea Grant Network Visioning

- Integrated Seafood
- Water Resources
- Climate and Weather
- Community Responses to Flooding
- Tourism
- Environmental Literacy
- Traditional & Local Knowledge
- Diversity and Inclusion
- Citizen Science
- Aquaculture Communications
National Sea Grant Advisory Board
National Sea Grant Advisory Board

• Federal Advisory Committee (FAC)
• Advises NOAA and the National Sea Grant College Program
• Address the Nation's highest priorities
• Understand and assess; develop, manage and conserve ocean, coastal and Great Lakes resources
<table>
<thead>
<tr>
<th>Board member</th>
<th>Location</th>
<th>Current affiliation</th>
<th>Current term ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber Mace (Chair)</td>
<td>Sacramento, CA</td>
<td>California Council on Science and Technology</td>
<td>2022</td>
</tr>
<tr>
<td>Brian Helmuth (Vice-Chair)</td>
<td>Marblehead, ME</td>
<td>Northeastern University</td>
<td>2019</td>
</tr>
<tr>
<td>Dale Baker (Past Chair)</td>
<td>Ithaca, NY</td>
<td>Cornell University</td>
<td>2022</td>
</tr>
<tr>
<td>Peter Betzer</td>
<td>St. Petersburg, FL</td>
<td>St. Petersburg Downtown Partnership</td>
<td>2021</td>
</tr>
<tr>
<td>Patricia Birkholz</td>
<td>Saugatuck, MI</td>
<td>Michigan League of Conservation Voters</td>
<td>2019</td>
</tr>
<tr>
<td>Paulinus Chigbu</td>
<td>Fruitland, MD</td>
<td>University of Maryland</td>
<td>2022</td>
</tr>
<tr>
<td>Rosanne Fortner</td>
<td>Oak Island, NC</td>
<td>Oak Island Beach Preservation Society</td>
<td>2022</td>
</tr>
<tr>
<td>E. Gordon Grau</td>
<td>Kaneohe, HI</td>
<td>University of Hawaii</td>
<td>2019</td>
</tr>
<tr>
<td>Judy Gray</td>
<td>Block Island, RI</td>
<td>Block Island Maritime Institute</td>
<td>2019</td>
</tr>
<tr>
<td>Jim Murray (Member-at-Large)</td>
<td>Naples, FL</td>
<td>National Sea Grant College Program</td>
<td>2019</td>
</tr>
<tr>
<td>Michael Orbach</td>
<td>Santa Cruz, CA</td>
<td>Duke University</td>
<td>2018</td>
</tr>
<tr>
<td>Dick Vortmann</td>
<td>La Jolla, CA</td>
<td>San Diego Regional Chamber of Commerce</td>
<td>2018</td>
</tr>
</tbody>
</table>
Sea Grant Association
Sea Grant Association

History
Precursor established in 1970 as the Sea Grant Council of Fellows; SGA later established as 501(c)(3) in 1987.

Purpose
To further the optimal development, use and conservation of marine, coastal and Great Lakes resources; Increase the effectiveness of member institutions; Stimulate cooperation and unity of effort among members; Provide a forum for discussing programmatic issues and facilitating communication among members and with agencies, industry, and other interested parties.

Membership
“Membership shall be composed of organizations interested in furthering the Sea Grant Program concept and in furthering the purposes of the Corporation. Membership shall be limited to organizations.”
- Organizations appoint delegates to the Association
- Currently 35 members in the Association

Sea Grant’s mission is to enhance the practical use and conservation of coastal, marine and Great Lakes resources in order to create a sustainable economy and environment.
SGA Board of Directors

James Hurley, Wisconsin Sea Grant (SGA President, 2017-18)

Sylvain De Guise, Connecticut Sea Grant (SGA Past President, 2017-18)

Fredrika Moser, Maryland Sea Grant (SGA President-Elect, 2017-18)

Stephanie Showalter Otts, Sea Grant Law Center (Program Mission Committee Chair, 2017-18)

Christopher Winslow, Ohio Sea Grant (Secretary, 2018-19)

Darren Lerner, Hawaii Sea Grant (Treasurer, 2018-19)

Ruperto Chaparro Serrano, Puerto Rico Sea Grant (At large member, 2017-18)

Mark Risse, Georgia Sea Grant (At large member, 2018-19)
SGA Committees

**External Relations Committee** (Susan White, NC Sea Grant, chair, *ex officio*, Sea Grant Board of Directors; Darren Lerner, HI Sea Grant, Vice-chair)
“… advises and assists the president of the Corporation with issues and activities associated with government relations and with new and developing activities with foundations, industry, and nongovernmental organizations.”
Works closely with Federal Science Partners on federal relations

**Program Mission Committee** (Stephanie Showalter Otts, Sea Grant Law Center, Chair)
“… has primary responsibility for the accomplishment of the Sea Grant mission. It serves the membership through the development of ideas, documents, policies, and procedures which are then referred to the Board of Directors and the members for adoption and action.”

**Networks Advisory Council** (Nancy Balcom, Connecticut Sea Grant, Chair)
Comprised of Network leaders and the SGA leadership. “… serves its membership and the SGA through the development of ideas, documents, and recommendations from the Networks that are then referred by NAC leadership to the SGA Board and delegates for adoption and action.”
House Dear Colleague Letter authored Rep. Courtney (CT) and Zeldin (NY) -- was "closed out" April 3, 2017 with 95 House Member signatures with both Republican and Democrats signing.

Courtney-Zeldin “Part 2” now being circulated in House.
FY19 Focus for SGA delegates

Priority #1 – Submittal of Programmatic Requests to House and Senate Appropriations Subcommittees
Step 1: SGA Delegate Outreach to Key Stakeholders
Step 2: SGA Delegate Engagement
Step 3: SGA Leadership Outreach to Key Committees

Priority #2: Dear Colleague Letters
Zeldin-Courtney – Sea Grant
Coastal partners

Priority #3: Reauthorization Update
Senate - Passed, via unanimous consent, S. 129, the National Sea Grant College Program Amendments Act of 2017

House - H.R. 4306, the National Sea Grant College Program Amendments Act of 2017 was introduced by Rep. Jared Huffman (D-CA) and Rep. Frank LoBiondo (R-NJ)
NOAA Coastal Roundtable

SGA and the NSGO are active participants in bimonthly calls with NOS coastal partners

- Participated in Capitol Hill Oceans Week by sponsoring and moderating panel; Held Congressional briefing on aquaculture.

- Collaboration across association meetings.

Capitol Hill Briefings

AQUACULTURE IN THE UNITED STATES: ENHANCING GROWTH OF THE DOMESTIC INDUSTRY

The Sea Grant Association is pleased to extend this invitation for a Capitol Hill Briefing:

Aquaculture in the United States – Enhancing Growth of the Domestic Industry

Sponsored by

Senator Roger Wicker and Senator Lisa Murkowski

June 13, 2017
Capitol Hill Ocean Week
11:30AM to 1:00PM
In Room SVC 212-10 of the Capitol Visitor Center

Mr. Taqit Olm
Ocean’s Balance – Kelp Farming
Portland, Maine

Mr. Owen Balby
Indian Brook Trout Farm
Jackson, Michigan

Mr. Frank Roberts
Lady’s Island Oyster
Seabrook, South Carolina

Ms. Jennifer Jenkins
Crystal Sea Seafood

Mr. Beau Perry
Blue Evolution – Seaweed Farming
San Francisco, California

See SGA’s 15-Year NOAA Sea Grant Aquaculture Vision - March 2016

A brown bag lunch will be available.

The Sea Grant Association is pleased to invite you to attend a Brown Bag Lunchtime Briefing

Using Science and Outreach to Assist State and Local Decision Makers in Disaster Preparedness and Public Safety

Sponsored by Representative Lee Zeldin and Representative Joe Courtney

November 8, 2017
Noon to 1:30 p.m.
2045 Rayburn House Office Building

Mr. Vern Miyagi
Administrator, Hawaii Emergency Management Agency
Honolulu, Hawaii

Mr. Craig Butler
Director, Ohio Environmental Protection Agency
Columbus, Ohio

Dr. Edward J. Mahaney, Jr.
Principal
Mahaney Consulting LLC
Mays Landing, City of Cape May
Cape May, New Jersey

Dr. Shannon Van Zandt
Professor
Department of Landscape Architecture and Urban Planning
Texas A & M University
College Station, Texas

This is a widely attended event. Space is limited.

RSVP by November 3, 2017 to Joel Widder, jwidder@federalsciencepartners.com
Regional networks meet regularly (most staff, not just directors)
Regions submit collaborative projects
Sea Grant regions work with NOAA Regional teams
Discussion