



Photo: Astoria bridge, Tiffany Woods, Oregon Sea Grant

National Sea Grant Update

Jonathan Pennock, Director

National Sea Grant Advisory Board, Savannah, Georgia

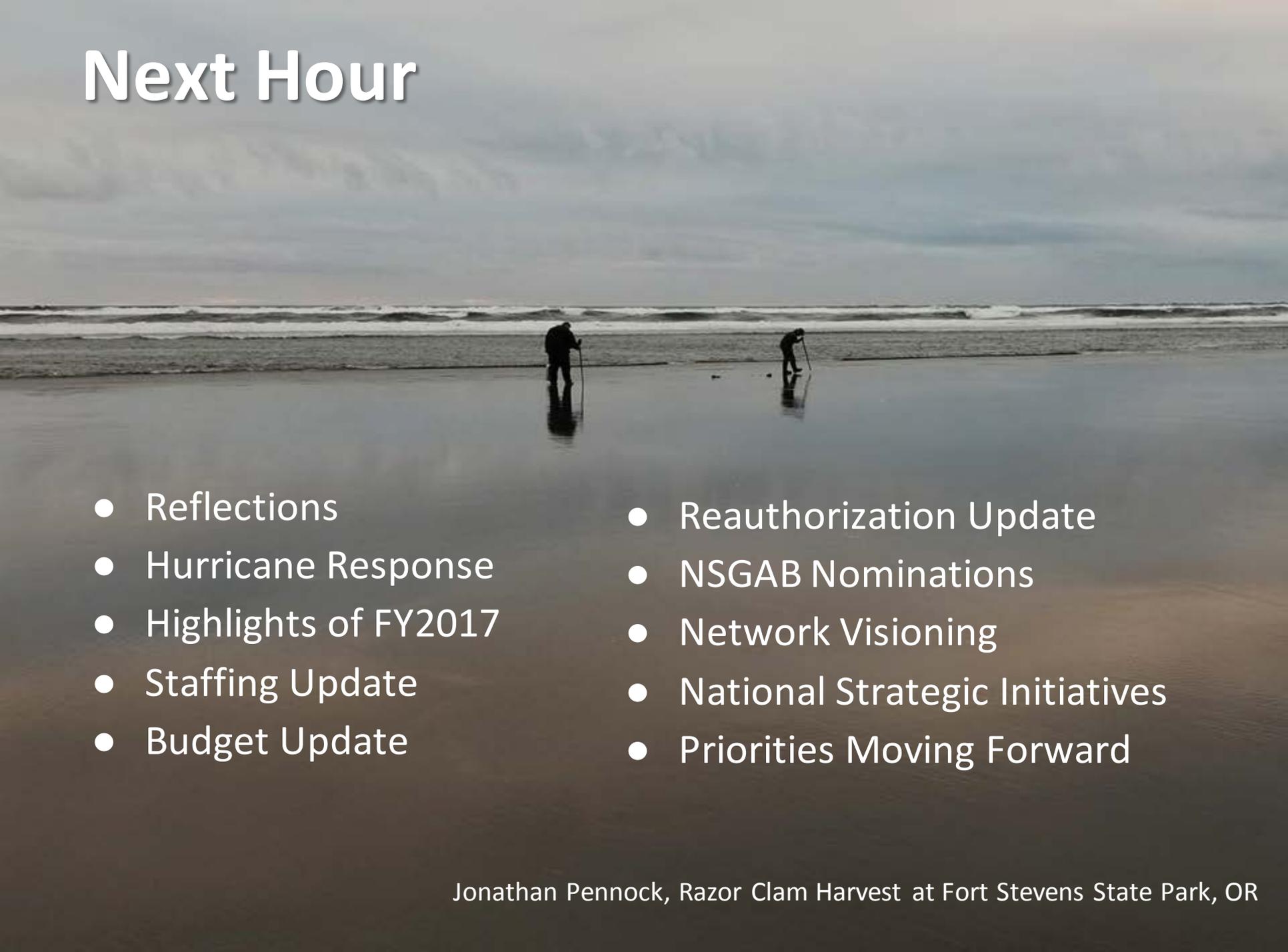
16-17 October, 2017



Agenda Includes Dedicated Time For:

- Lake Champlain Program Review (Mace)
- Mississippi-Alabama Topical Advisory Team (TAT) Review (Baker)
- Sea Grant Liaison Report Status (Rohring)
- Planning, Implementation and Evaluation (PIE) Update (Pennock)
- Board Visioning and Roles (Pennock, Baker & Mace)
- Administration Outreach and Education (Baker & Mace)

Next Hour

- 
- A wide-angle photograph of a beach at low tide. Two people are visible in the distance, raking the wet sand. The ocean waves are breaking in the background under a cloudy sky. The foreground is a vast, flat expanse of wet sand that reflects the sky and the figures of the people.
- Reflections
 - Hurricane Response
 - Highlights of FY2017
 - Staffing Update
 - Budget Update
 - Reauthorization Update
 - NSGAB Nominations
 - Network Visioning
 - National Strategic Initiatives
 - Priorities Moving Forward



Reflection



Willet having breakfast on Texas coast, Ron Wooten

Reflection



The New Normal

- Communicating with Congress
- Communicating Budget to Programs
- Releasing Administrative Actions, Press Releases, Anything Forward
- Hiring Staff
- Being a Part of Future Initiatives



Reflection



Jonathan Pennock, Sunrise over the Columbia River, Astoria, OR



Harvey, Irma, Maria Hurricane Response

FY17 Sea Grant Accomplishments



Ocean Acidification Research



Mid-Atlantic partnership with NOAA OA program
Fisheries and Aquaculture industries in Northwest



Fisheries Extension

Training young fishermen
Direct sales of seafood
HACCP and Safety and Sea Training
Supporting industry with new information

A photograph showing a dead, silvery fish lying on a sandy beach. The fish is positioned next to a pool of water that is a vibrant, toxic green color, indicating a harmful algal bloom. The water has a thick, gelatinous texture and is surrounded by ripples. The fish's body is pale and appears lifeless, with its gills visible. The background is a vast expanse of the same green water under a bright sky.

Harmful Algal Blooms Research

Administration of Lake Erie research initiative
Tools for detection, early warning
Monitoring to inform management decisions



King Tides & Sea Level Rise

Early warning of events
Innovative public education
Community planning

Photo: Hawaii Sea Grant



Aquaculture Research and Extension

Satellite imagery to site aquaculture locations
Addressing public perception issues
Assisting new business start-ups

A photograph of three divers in the ocean. The diver in the foreground is wearing a black wetsuit and blue goggles, looking towards the other divers. The diver in the middle is holding a large, reddish-brown specimen, possibly a sea slug or a piece of coral, and is looking at it. The diver in the background is also wearing a black wetsuit and blue goggles, and is looking towards the camera. The background shows a rocky coastline and a blue sky with white clouds.

Experiential Education

Marine science camps
Teacher training programs

A glowing oil drop is shown splashing into a dark liquid, creating a series of concentric ripples. The drop is bright yellow and orange, and the splash is also glowing. The background is dark, making the glowing elements stand out.

Oil Spill Outreach

GoMRI Outreach Team efforts
Crude Move Symposium and Seminars

Stakeholder Support

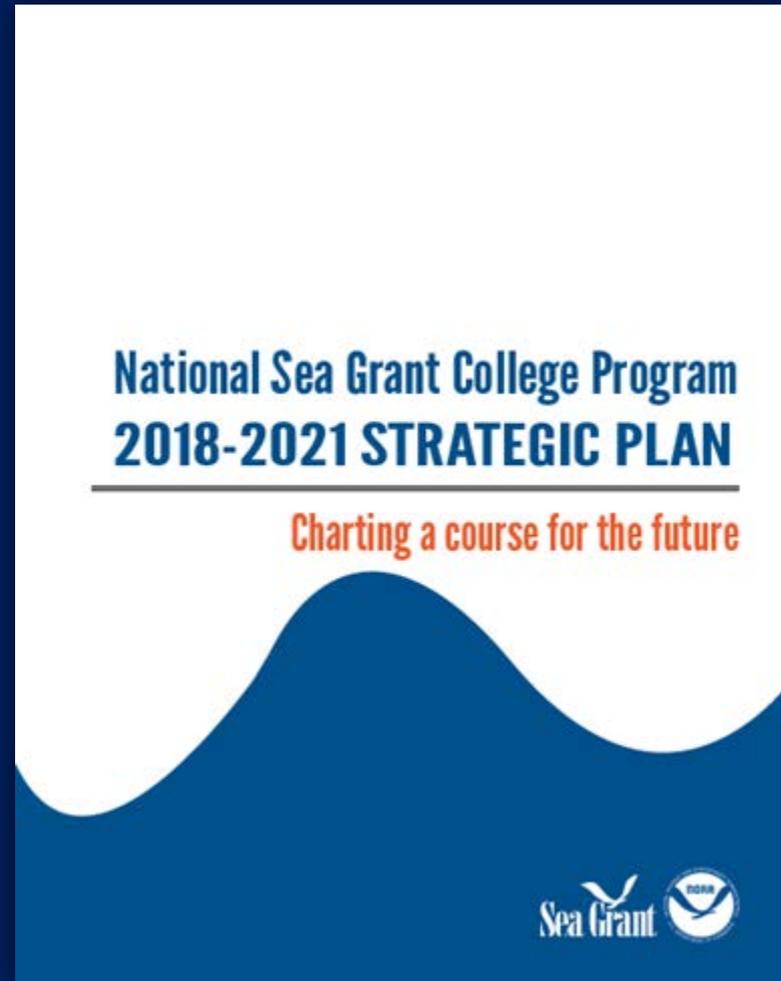
#WhySeaGrant



Strategic Plan

2018 – 2021 Strategic Plan

[Unofficially Released]



New Sea Grant Website



[Our Work](#) [About](#) [Funding](#) [Careers](#) [News](#)

A banner image showing a close-up of fishing gear, including green netting, thick rope, and several orange floats, set against a background of green seaweed.

Sea Grant

Sustainable Fisheries and Aquaculture

Sea Grant Programs

Sea Grant is a national network of 33 university-based programs

[PROGRAM LOCATIONS -](#)

For over 50 years, the National Sea Grant College Program has supported coastal and Great Lakes communities through research, extension and education.

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.

Our Focus Areas

Sea Grant By the Numbers (2016)

\$611M

Economic Benefit

494

Communities improved
resilience

7,110

Jobs created
or sustained

2,012

HACCP certifications
issued by Sea Grant



2,367

Graduate and
undergraduate
students supported



1,473

Scientists affiliated
with Sea Grant

366,108

Volunteer hours

National Office Staffing Updates

On Detail:

Kola Garber (until May), Julia Wolff (FY17)

Left Sea Grant:

Chris Hayes, Julia Wolff, MaryAnn Garlic, Peg Brady (Detailee) and Sam Chan (IPA)

Budget challenges will restrict ability to hire Feds at this point

National Office Staffing Updates

Detailees to Sea Grant: Brady Phillips and Aria Remondi

Contractors (to support Director, Aquaculture & Fellowships)

Redefining portfolios to address new and ongoing priorities

NSGAB Staffing and Support – Elizabeth Rohring and Eva Lipiec (from Jon Eigen and MaryAnn Garlic)

National Office Staffing Updates

Amanda McCarty on Maternity Leave

[Elodie Joyce McCarty Leandro - Born September 22, 2017]



Budget Update/Scenarios

FY 2016 - FY 2018 Sea Grant Budget					
Appropriations Minus Mandated Reductions/Expenditures	FY2016 Final	2017 Final	FY2018 Level Funded	FY2018 House	FY2018 Senate
1. National Sea Grant College Program Appropriation	\$64,000	\$63,000	\$63,000	\$63,000	\$65,000
Agency Reductions (Congressional Recission, Deobligation, WCF Reprogrammings)	-\$584	-\$364	-\$500	-\$500	-\$500
Funding Available Base	\$63,416	\$62,636	\$62,500	\$62,500	\$64,500
2. Sea Grant Marine Aquaculture Appropriation	\$9,000	\$9,500	\$9,500	\$7,000	\$11,500
Agency Reductions (Deobligation, WCF Reprogrammings).	-\$83	-\$54	-\$100	-\$100	-\$100
Funding Available Aquaculture	\$8,917	\$9,446	\$9,400	\$6,900	\$11,400
3. Mandated Program Expenditures					
Base Sea Grant SBIR	-\$807	-\$998	-\$1,013	-\$1,013	-\$1,073
Aquaculture SBIR	-\$253	-\$335	-\$318	-\$234	-\$385
Base Sea Grant Hollings	-\$64	-\$63	-\$64	-\$64	-\$65
Aquaculture Hollings	-\$9	-\$9	-\$9	-\$9	-\$10
Total Programmatic Reductions	-\$1,133	-\$1,405	-\$1,404	-\$1,320	-\$1,533
4. Carryover and Prior Year Deobligations (1)	\$584	\$558	\$166	\$166	\$166
Total Available Funds for Sea Grant	\$71,784	\$71,235	\$70,662	\$68,246	\$74,533

Budget Update/Scenarios

Expenditures	FY2016 Final	FY2017 Final	FY2018 Level Funded	FY2018 House	FY2018 Senate
5. Sea Grant State Program Activities (A + B)	\$50,917	\$55,044	\$52,741	\$52,741	\$53,341
A. CORE FUNDING	\$49,927	\$53,094	\$52,741	\$52,741	\$53,341
Base (including Coastal Community Development) (2)	\$45,027	\$48,193	\$47,840	\$47,840	\$48,440
Merit and Bonus Pool	\$4,900	\$4,901	\$4,901	\$4,901	\$4,901
B. ADJUSTMENTS TO CORE FUNDING	\$990	\$1,950	\$0	\$0	\$0
Climate Change Capacity Building Core Initiative (NSI)	\$990	\$990	TBD	TBD	TBD
Visioning Funds	\$0	\$960	TBD	TBD	TBD
6. Education/Fellowships	\$1,212	\$1,094	\$1,163	\$1,163	\$1,163
NMFS Sea Grant Fellows	\$221	\$211	\$232	\$232	\$232
Knauss Fellows	\$921	\$813	\$861	\$861	\$861
Bridge Education Web Portal	\$70	\$70	\$70	\$70	\$70
5. Sea Grant Network Activities	\$662	\$610	\$660	\$660	\$660
Sea Grant Library	\$237	\$235	\$235	\$235	\$235
National Sea Grant Law Center	\$375	\$375	\$375	\$375	\$375
Extension Academy	\$50	\$0	\$50	\$50	\$50

Budget Update/Scenarios

Expenditures	FY2016 Final	FY2017 Final	FY2018 Level Funded	FY2018 House	FY2018 Senate
6. Regional and National Activities (C + D + E)	\$14,720	\$10,080	\$9,829	\$7,413	\$11,761
A. NATIONAL STRATEGIC INVESTMENTS (NSI)	\$13,971	\$9,333	\$9,073	\$6,657	\$11,005
C. NATIONAL MARINE AQUACULTURE PORTFOLIO	\$8,391	\$9,273	\$9,073	\$5,557	\$11,005
Research	\$3,016	\$9,085	TBD	TBD	TBD
Extension	\$2,718	\$0	TBD	TBD	TBD
Workshops	\$410	\$0	TBD	TBD	TBD
Base Aquaculture Funded Projects (3)	\$2,247	\$188	TBD	TBD	TBD
D. OTHER NSI's	\$5,580	\$60	\$0	\$0	\$0
Resilience	\$580	\$60	TBD	TBD	TBD
Red Snapper Research	\$5,000	\$0	\$0	\$0	\$0
E. NATIONAL PROGRAM DEVELOPMENT	\$749	\$747	\$756	\$756	\$756
Extension Support for OAR, NMFS Labs -- AOML, GLERL, PMEL, NWFSC	\$290	\$300	\$323	\$323	\$323
Coastal & Inland Flood Observation & Warning Extension (joint with NSSL)	\$108	\$0	\$108	\$108	\$108
Marshall Islands Extension (through HI SG)	\$75	\$75	\$75	\$75	\$75
North Carolina Ext Agent	\$5	\$0	\$0	\$0	\$0
Regional	\$0	\$0	TBD	TBD	TBD
Hurricane Rapid Response	\$0	\$110	TBD	TBD	TBD
Extension Support for NOAA Sentinel Sites -- NOS Match	\$20	\$188	\$0	\$0	\$0
NSGO Program Development / Rapid Response	\$251	\$74	\$250	\$250	\$250

Budget Update/Scenarios

7. NOAA-WIDE PROGRAMS AND MANAGEMENT					
Sea Grant Administration Base Funding Current Year	\$3,800	\$4,241	\$3,867	\$3,742	\$4,067
Carryover Administration	\$2,856	\$3,532	\$3,595	\$3,470	\$3,795
Aquaculture Administration	\$489	\$498	\$72	\$72	\$72
National Sea Grant Advisory Board	\$264	\$2	TBD	TBD	TBD
	\$191	\$209	\$200	\$200	\$200
Total Expenditures	\$71,311	\$71,069	\$68,260	\$65,719	\$70,992
Balance / (Deficit)	\$473	\$166	\$2,402	\$2,527	\$3,541

Must accommodate American Lobster Research; Recreational Fisheries Research; STEM Education

National Office – Quick Updates



Photo: Susan Ferris Hill, South Carolina Sea Grant

2018-2021 Omnibus

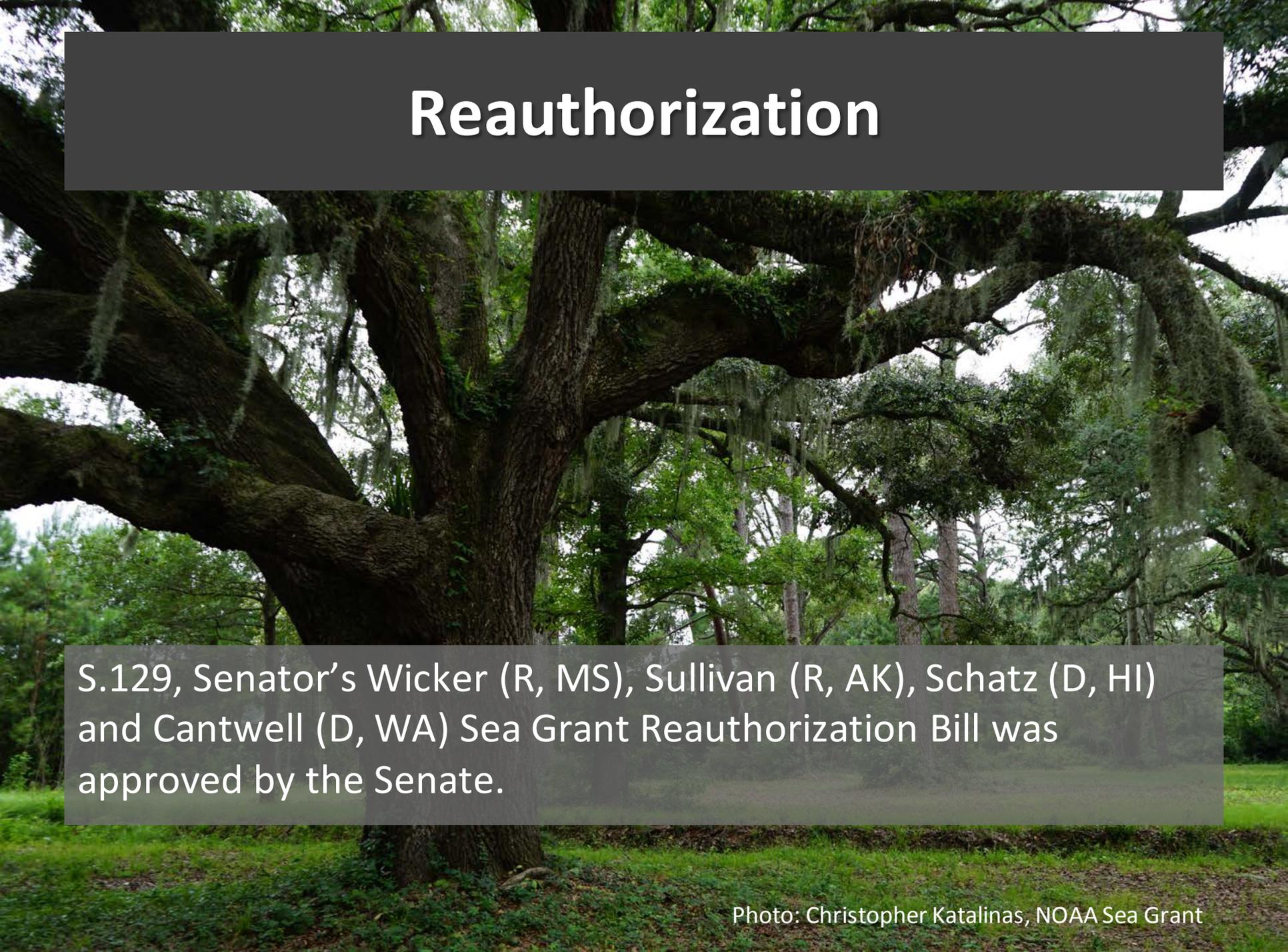
Goal and primary concern =
Ensure that Sea Grant has 2018-2021 Omnibus
to support programs

2018-2021 Omnibus

- Ensure we have an Omnibus
(e.g. Focus on Base + Merit)
- Adhere to new requirements
(e.g. NEPA and Peer-Review of required components)
- Revise FFO for clarity
- Communicate with Network
(e.g. Removal of Climate Initiative)



Reauthorization



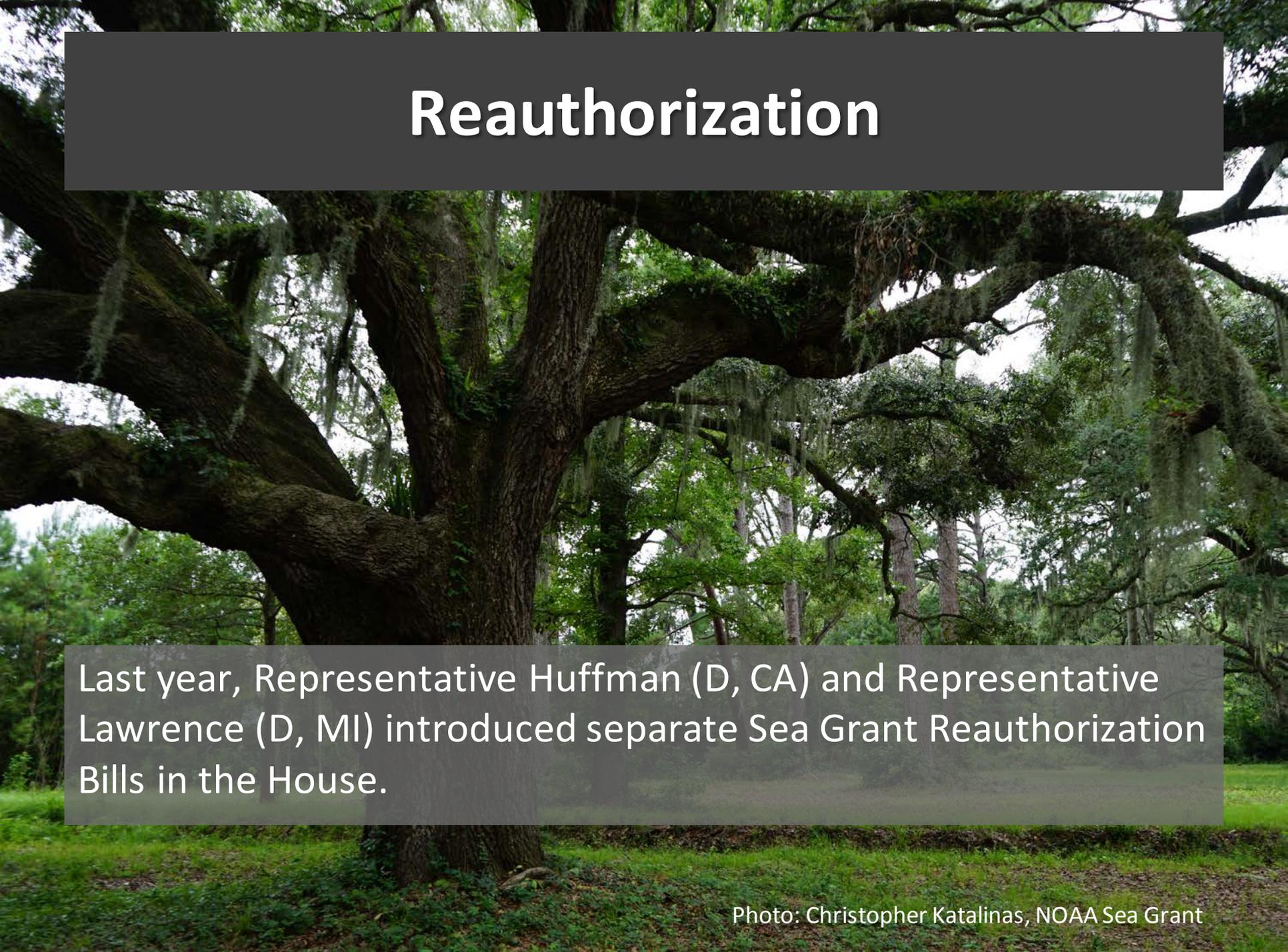
S.129, Senator's Wicker (R, MS), Sullivan (R, AK), Schatz (D, HI) and Cantwell (D, WA) Sea Grant Reauthorization Bill was approved by the Senate.

Reauthorization

It is almost identical to the bills introduced last year with one amendment.

- Reaffirms support of Sea Grant education activities
- Calls for 'equitable distribution' of legislative fellows by party
- Provides for direct hire of Knauss Fellows
- Supports 5.5% administrative cap
- Continues requirement for coordination of ocean and coastal research
- Supports quadrennial Report to Congress with two-year updates
- Adds required Congressional notification of new Institutes or Colleges

Reauthorization

A large, ancient tree with thick, gnarled branches and Spanish moss hanging from them, set in a lush green forest. The tree's trunk is massive and textured, with several large, spreading branches that create a dense canopy. Spanish moss hangs in long, delicate strands from the branches, adding a sense of age and mystery to the scene. The background is filled with other trees and green foliage, suggesting a healthy, mature forest.

Last year, Representative Huffman (D, CA) and Representative Lawrence (D, MI) introduced separate Sea Grant Reauthorization Bills in the House.

NSGAB Nominations

Gap analysis for skills needed on board vs national strategic goals

- Need experience in: economics, aquaculture, the Hill/Federal service, coastal management, fisheries management, strategic planning, and overall greater diversity

NSGAB Nominations

12 candidates are currently being vetted by NSGO for 3 current and 2 upcoming open seats

NSGAB Nominations

Next steps:

- Provide nomination package to Craig McLean
- Vet through other line offices, NOAA legal and White House liaison
- Send letters of invitation to five selected nominees
- Nominees go through federal security clearance

A photograph of a sunset over a large body of water. The sky is a gradient of colors from deep blue at the top to bright orange and yellow near the horizon. The water reflects these colors. In the foreground, there is a dark, silhouetted shoreline with some bare tree branches. The text "National Strategic Investments" is overlaid in white on the lower half of the image.

National Strategic Investments

Photo: Susan Ferris Hill, South Carolina Sea Grant

National Strategic Initiative - Aquaculture



Virginia Sea Grant



Alaska Sea Grant



Oregon Sea Grant

2016

- ~\$9M funded 11 aquaculture projects and 23 workshops

2017

- ~\$9.5M funded 32 proposals
 - Integrated Projects to Increase Aquaculture Production (n=11)
 - Addressing Impediments to Aquaculture Opportunities (n=21)

2018

- Anticipate having between \$7-\$11.5M to fund aquaculture research.

Photo: Todd Marsee, Michigan Sea Grant

National Strategic Initiative - Aquaculture

- FFO process improvements
- Gathering input to shape focus of next FFO
- Building from 2016 Vision document
- Next year, we'll build on roadmap currently being developed by network visioning team and continue to better engage stakeholders

NSI: Network Visioning

50+ Ideas Proposed

Included input from staff and directors, with diverse scopes, scales, and perspectives

Program and Network Leadership Input

Individual programs selected their top six, and the NAC provided further advice on consolidation

10 Final Topics Selected

Topics cover many, but not all areas Sea Grant has a strong presence in.

NSI: Network Visioning

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

NSI: Network Visioning

Fall 2017 - Projects Start

Official start date for all projects was Sept. 1; Some teams were more advanced; All have begun planning

In Person Meetings

Teams are holding 1-2 in person meetings
Most are Winter or Spring, though not all dates are set

Final Reports

Final Visioning Reports are due August 2018

NSI: Economic Measure Evaluation



NSI: Regional Integration



NSGO Priorities

Goal: Improve the way we do business as a national office and as a national program

- Build leadership and cohesion with staff
- Continue Program Officer engagement
- Implement Communications Plan
- Improve NSGO functions and processes



NSGO Priorities

Goal: Improve NSI process
(e.g. aquaculture, fellowships
and emerging priorities

- Develop strategic visions for focus
- Appropriately engage network
- Timely release of FFOs
- Provide clear guidance
- Enhance strategic partnerships



NSGO Priorities

- Sea Grant Library Assessment
- Continue to develop Aquaculture Initiative
- Focus Teams & Communities of Practice



A scenic view of a marina at sunset. In the foreground, a wooden dock with a railing and a black lamp post is visible. Several boats, including a white and blue motorboat, are docked. The water reflects the warm colors of the sunset. In the background, a large cantilever bridge spans across the water. A building with lights is visible on the shore behind the marina. The sky is a mix of orange, pink, and blue.

Questions?