

**National Sea Grant Advisory Board (NSGAB) Meeting  
September 16, 2012  
Minutes**

**Hotel Alyeska  
1000 Arlberg Avenue  
Girdwood, AK**

**Sunday, September 16, 2012**

8:24 AM-Introductions, review agenda, approval of minutes, etc. (Dr. Nancy Rabalais, Chair, NSGAB)

**Roll Call:**

**Board Attendees present:** Nancy Rabalais, Dick Vortmann, Harry Simmons, Dick West, Mike Orbach, Rollie Schmitt, Bill Stubblefield, Jonathan Pennock (*Ex-Officio*)

**Board attendees on conference line:** Leon Cammen (*Ex-Officio*)

**Attendees not present:** Frank Beal, Patty Birkholz, Jeremy Harris.

**Other attendees:**

Elizabeth Ban - National Sea Grant Office (NSGO); NSGAB Designated Federal Officer

Sami Grimes—National Sea Grant Office

Jennifer Maggio – National Sea Grant Advisory Board

Amy Painter—National sea Grant Office

Amy Scaroni—National Sea Grant Office

Joel Widder—The Oldaker Group; Sea Grant Association

Dongho Youm—Korea Institute and Marine Science and Technology Promotion

Lee Byurg-Gul—Korea Jeju Sea Grant

WooJin Nam—Korea Ministry of Land, Transportation and Maritime

Mi Gyeong—Republic of Korea, Jeju Sea Grant

LaDon Swann- Mississippi-Alabama Sea Grant

Kurt Beyer—Alaska Sea Grant

David Christie—Alaska Sea Grant

**Chair's update (N.Rabalais, NSGAB)**

Dr. Rabalais noted the Board can contribute more than just to attend meetings. She thanked everyone for all the work they have done for the SGAB. Dr. Rabalais noted she became very involved in the Biennial report. It gave her a chance to learn a lot more about Se Grant and what it means to the public.

**MOTION**

**Change agenda to discuss the Knauss Program (Dick Vortmann, 2<sup>nd</sup> Bill Stubblefield)**

**Vote: Unanimous Approval**

**National Sea Grant Office report (Leon Cammen, NSGO)**

- Thanked everyone who managed to make it to Alaska, hosts and Sea Grant Partners.
- Overview of the NSGO
- Discussed the FY-13 Appropriation Budget.

- Reviewed the 2012 budget which increased from 2011. Discussed what the budget could potentially be with the sequestration.
- Discussed the FY-13 Discretionary National Strategic Investments. Possibilities include coastal tourism; social science, large regional collaborations to address Sea Grant's Regional Research Plans and other ideas.
- Discussion – The Board was concerned about the sequestration and how the decision was made to make cuts to those items Dr. Cammen discussed. The Board asked Dr. Cammen to explain the potential cuts and how he came up with the numbers. Dr. Cammen responded this is a first draft and he will be looking to the SGA and Advisory Board for input should sequestration occur. Admiral West and Dr. Rabalais agreed further discussion is necessary. The Board agreed that they would like to have input into the budget review process should the sequestration become a reality.

**ACTION ITEM:** Stand up Advisory Board Budget Review Sub-Committee (Dick Vortmann, Michael Orbach, Harry Simmons)

The Board was also interested in learning more about the status of the implementation of the Board's allocation framework. Dr. Cammen said that there was an Allocation Implementation Team meeting planned for later in the week. The team is led by Jon Eigen of the NSGO and includes Bill Stubblefield, Dick Vortmann, and Dick West from the Advisory Board with representatives from the SGA as well.

#### **SGA Report (Jonathan Pennock, President, Sea Grant Association)**

- SGA Membership: Listed current SGA Board Members and those who will be moving on. Noted nominations for SGA Leadership. Discussed the possibility of creating the SGA Ad Hoc Advisory Committee. Dr. Pennock spoke with Dr. Cammen and recommended the committee be created to provide a sounding board for the NSGCP Director on issues of importance for the program. This will hopefully better represent the network and increase communication. A meeting has not been established.
- Communication: Dr. Pennock reported on opportunities and concerns. Adm. Stubblefield and Dr. Rabalais asked if there was something more the Board could be doing. Dr. Pennock replied as we go through allocation and reauthorization, the more we can work together and be clear and communicate. Dr. Rabalais noted each program has a program manager in the NSGO and they could be used as conduits between the programs and the NSGO. Dr. Pennock noted there is a very important that the program officers travel to the states. There ought to be an informal visit from the Advisory board, Program Manager and Director to sit down with them and have a discussion and report on what they are doing. Mr. Simmons reported on a recent visit with Ms. Ban to North Carolina Sea Grant and how visits like that can help the program, the NSGO and the Board have clearer communication.
- Reporting: Dr. Pennock stated that the programs are overwhelmed by the formal reporting. The comment was made that the process is challenging to everyone. Dr. Orbach noted we are in a situation where we are clearly moving to the possible budget constraints and reductions. There need to be some metrics that are uniform across the board. The NSGO, Board and SGA should be monitoring the PRP and looking at the questions. Admiral West requested that the SGA develop a document on the process with their thoughts and report back to the Board. Dr. Pennock also said that the SGA would like a formal evaluation of the PRP process.

- Dr. Lee Byung-Gul, from Korea Jeju Sea Grant recommended that the NSGCP are expanded to include Korea Sea Grant as a regional program. Dr. Orbach asked what the relationship was. Dr. Lee reported there are so many interested international programs interested and thinks the National Sea Grant Program should include international countries. Dr. Rabalais reported the US agencies have many programs that can accommodate international programs. There are programs in NOAA and in the US Government that are addressing global change.

### **Biennial Report Discussion and Approval (Dick West, NSGAB)**

- Admiral West gave thanks to the National Office and Committee members as well as John Byrne and John Woeste.
- Dr. Rabalais and Admiral West briefed OAR Leadership on August 21, 2012 and NOAA Research Congressional Analysis and Relations Division. NOAA Leadership will also receive a courtesy copy. Good feedback was received. Dr. Rabalais and Adm. West will brief the SAB in November.
- Changes:
  - Add subtitle to cover “Biennial Report to Congress by the National Sea Grant Advisory Board”
  - Appendix III – move to bottom of the page
  - Add National Program metrics one-pager to the inside back cover
- Once approved , Report will be emailed to Congressional distribution and hard copies sent to NOAA, DOC and OMB leadership. The programs are providing input on number of hard copies.
- Discussion of the 5% cap. Admiral West noted the Board sees it as a limitation and they also feel that are other ways that the NSGO can ensure stakeholders and the SGA that they are using funds properly.
- Allocation Plan: The NSGO needs to move forward with the Board’s recommendation for the Allocation Implementation Plan.
- Dr. Orbach suggested when the Biennial Report is done next time we should think about a face to face meeting with the committee. It worked out as a fine report but some things could have come together more quickly and effectively had we had at least one face to face time. It could even be a Skype meeting. Dr. Rabalais also suggested there be a timely submission of materials requested by the committee. Admiral West noted he wanted the date to be current when printed.
- **MOTION to approve the Biennial Report with stated changes (Dick Vortmann, 2<sup>nd</sup> Harry Simmons).**
- **Vote: Unanimous Approval.**

### **Report on Knauss Program Rollie Schmitten**

- Update on Knauss Program:

- Suggestion that Board Members be a part of the process. He noted what a reward it was to be a part of it and how amazed he was at the talent. There were 112 applicants that were narrowed down to 51. There are 41 programs that helped with funding. Dr. Rabalais noted Dr. Scaroni was a Knauss fellow.
- A discussion followed on the Knauss fellow communication and how a database has been created for better communication. Mr. Simmons asked if the Knauss Fellowship Alumni can be added into the paper periodically. Dr. Rabalais replied it can be added into our Sea Grant Newsletter. Ms. Ban noted she will share the information with Ms. Amy Painter and Mrs. Chelsea Berg. Dr. Orbach said he would like to see a generated list of Knauss Fellows. Ms. Ban replied that names are listed on the NSGO website and that she will send out the link (<http://www.seagrant.noaa.gov/knauss/knaussalumni.html>).
- Dr. Orbach asked why the program begins in February. The problem for graduates in the program is that they have to find something to do for the three quarters of the year. Ms. Ban replied that it has to do with availability of funding.

**Dr. Rabalais suggested the committee review Sea Grant Week activities and the Sea Grant Budget.**

#### **Board Assignments for Sea Grant Week Meetings**

Education- Dr. Rabalais

Communication-Mr. Simmons

Extension-Mr. Schmitt

Research- Adm. Stubblefield

Fiscal- Mr. Vortmann

SGA Board Meeting- Admiral West and Dr. Rabalais

Allocation review committee-Monday at 5 (Adm. Stubblefield, Mr. Vortmann, Adm. West)

#### **Budget**

- Dr. Orbach asked when the budget was presented to Congress at \$69 million, was there an explanation of what the other \$7 million should be spent on. Mr. Widder replied we did not line item the budget or proposed packages. We discussed the whole program. We believe \$69 million will run a robust program.
- Dr. Orbach asked if there was a plan if the President's budget is approved. Are you going to ask for more than the President's budget? Mr. Widder replied that Dr. Cammen is aware of what is put forward and if he saw that what we were doing to be a problem that they would know about it. Dr. Orbach noted he is not asking if it is a good idea to do it, he is asking if there is a plan. Dr. Pennock noted Dr. Cammen did a great job with his suggestions. Dr. Pennock noted Sea Grant is a strong program and they want to support it in asking for the \$69 million. He would like a list of priorities and what is consistent with the Strategic Plan and needs.
- Mr. Widder reported they felt they could ask for the increase in funding because they could compare it to the data on the measures sheet.
- Mr. Vortmann asked how the cash flow works. Dr. Pennock noted money seldom comes in by the 31<sup>st</sup> of January so there are between 0-4 month gaps where they pay them weekly and use



undistributed funds until NOAA funds comes through. With the sequestration they would have to decide how they are going to impact their projects and decide they are going to fund it or if they are going to warn the faculty that there will be a cut. They will have to decide if the number is potential and if so they will look at that for guidance

- Mr. Simmons noted in these tough times closer communication is beneficial between the NSGO and the state programs/SGA. Dr. Orbach asked that the SGA bring important items to the Board if they feel that it would be useful. Dr. Pennock suggested that the Board attend the SGA Delegates Meeting during Sea Grant Week.

### **Performance Review Panel (PRP) and Overall Sea Grant Evaluation Sami Grimes and Leon Cammen, National Sea Grant Office**

- Mr. Schmitt asked under the PRP ratings and overall impacts why the scale is different than the progress of the overall program impact. Ms. Grimes replied they want everyone to consider the program as successful as the baseline. Instead of highest performance there really has to be something substantial to increase the score. Adm. Stubblefield referenced the accomplishments and objectives and asked if each program provides their impression and their views of how they have met their accomplishments. He noted it is difficult to rely solely on their information. Ms. Grimes replied the programs try to use their PIER Report as a reference to their plan. Adm. Stubblefield asked if the material provided for the PRP was prepared by the National Office or by the programs themselves. Ms. Grimes replied that the programs provided the information, including a one-page program summary, a 20-page report on 2009-2010 work and 2011-2012 work that the programs have input into PIER. The NSGO took the information provided by the programs and combined them into a package for the PRP evaluation process.
- Dr. Rabalais referenced the early morning discussion on the need for a self-evaluation of the PRP evaluation process.
- Dr. Pennock noted there will be a lot of programs upset that they are sitting in the middle. The group as a whole came to a consensus that the program is confusing and frustrating. This is not a perfect process but there has been a general perceived need to find a way to do this merit based allocation. This is the first cut of how to do it. The programs have interpreted some of the information differently. It was left up to the programs to put what they thought should go into each category. We need to be collecting comments and observations about how this process is going. The process is going and cannot have

### **Allocation Implementation Update (L. Cammen, NSGO)**

- Committee Report. We aren't cutting programs to give more funding to others. We want all programs to have the capability to address all the areas. There is a limit in the statute right now that no single state can receive more than 15% of the appropriation.

- Allocation Implementation Update. The committee should find time this week to have an official meeting. Dr. Cammen feels it is extremely important to set the rules on how we will operate in the next four years. It will not be easy and the committee will have to take a hard look at all of these things and what the implications will be.
- Questions
  - A discussion occurred on needs based allocated funding for the regions.
  - Dr. Rabalais asked when the next meeting will take place. Mr. Vortmann replied Tuesday at 5:30 pm.
- Dr. Rabalais thanked Leon for his presentation. Ms. Ban noted all of the presentations will be up on the meeting website included with the meeting minutes.

**Strategic Plan update and Sea Grant Performance Measures/Metric discussion (Mr. Vortmann, NSGAB)**

- Discussed the process and purpose of the plan: where Sea Grant should be in four years. The intent was to chart a common direction that was not top down, but bottom-up; taking into account the needs of the programs and their constituents.
- Mr. Vortmann reported on the new focus area. Each focus area has its own goals, outcomes and performance measures.
  - Adm. Stubblefield asked how you make your consequence outcomes. Mr. Vortmann replied the intention is to have steps along the way. The consequences assume the programs have four years and are a continuum of program goals.
  - Dr. Swann noted he collects a lot of information to write impact statements, but nowhere in the Strategic Plan are impact statements mentioned.
- Dr. Pennock noted the performance measures are written towards the action side, not the consequence side. He is not convinced that we have a mechanism to measure performance measures that may take 10-15 years to be realized. The network is still trying to figure out how that is going to work.
  - Mr. Vortmann noted soft measurements currently in the plan can be realized in short periods of time.
- Mr. Vortmann reported the plan is aligned with NOAA's strategic plan. State programs will now develop their own strategic plans showing how they integrate in and support the National Plan which is due the end of October. It is still a draft. There can be an issue coming out of the state plans that could necessitate a change in the National Plan. Otherwise, this draft will be the final document.

- Mr. Vortmann acknowledged Dr. Garber and Dr. Swann's efforts on the Strategic Plan.

### **Alaska Sea Grant (Dr. David Christie, Director, Alaska Sea Grant)**

#### **Introduction (Dr. Nancy Rabalais)**

- Dr. Christie welcomed the NSGAB and other attendees to Alaska. He gave a brief overview of statistics of Alaska and its coastal communities.
- Dr. Christie reviewed the four focus areas and how they have been involved in each. He reported on the history of the King Crab fishery and their changes in population over the years which has been a source of great concern in Alaska. Dr. Orbach noted he has tremendous respect on how Alaska has managed his fisheries. There used to be a lot of discussion regarding managed access fisheries and asked if Alaska Sea Grant is still involved in this issue. Dr. Christie stated that that occurred before his time with Sea Grant but that is it now widely accepted in Alaska. The North Pacific Council stated no fishing north of the Bering Strait until it can be shown it is being done responsibly. Most areas of the world they don't have these limited access fisheries. It would be really valuable to show how it has worked over time.

#### **Sea Grant Reauthorization Planning (Rollie Schmitten, NSGAB)**

- Mr. Schmitten reported he took this task on because it is very important to the long term success of Sea Grant. When the Board met last there was good discussion on the preliminary views of the 2014 Reauthorization Plan including the current the political and economic conditions and how they can affect reauthorization. The Board reviewed the committee charge from the previous reauthorization and he was tasked to shorten it and send out for comment. Mr. Schmitten recommends the board not do a formal charge. We have an executive committee that can have oversight. The charge did not help in the process. The Board talked about a few ideas for reauthorization and will revisit those ideas that did not pass
- The out-year budget recommendations:
  - In 2008 for 09-14 the authorization was set for \$ 100 million and now the program is at \$62 million. We asked to decrease the cap or to drop it.
  - The committee should also look at the possibility of allowing non-matched funding. It is getting increasingly difficult for the state programs to find matching funds and that will not change in the future.
  - An additional clarification that is needed is regarding international work. The committee should address this language.
- Mr. Schmitten noted he has been speaking with Dr. Paul Anderson on promoting the \$69 million budget.

- Mr. Schmitten reported they would like to complete the draft sometime in the late winter and in February begin to circulate and get comments and go back for a second round by early spring with the Boards recommendations in hand.
- Mr. Schmitten recommended creating a Board sub-committee and begin drafting in the fall.
- Mr. Vortmann asked about the official process for the reauthorization. Mr. Schmitten replied once approved by OAR it goes to NOAA at that point NOAA approves and then goes to the Secretary level and then the Administration. Admiral West noted last time Dr. Woeste was asked to talk specifically on the language recommended in the reauthorization. The Board will work with the SGA. Admiral West noted one of the differences we will have to deal with is the CAP and it can be addressed with the Allocation Committee. Ms. Ban will email Dr. Woeste's Testimony before the House Subcommittee on Fisheries and Ocean Committee of Natural Resources: ([http://seagrants.noaa.gov/leadership/advisoryboard/WrittenTestimony\\_032708.pdf](http://seagrants.noaa.gov/leadership/advisoryboard/WrittenTestimony_032708.pdf))
- Discussed the possibility of the recommendation being changed once in the system. Mr. Vortmann noted he wasn't aware that the Advisory Board was mandated to advise Congress. Ms. Ban reported that the legislation states that the Board shall advise the Secretary and Director of the National Sea Grant College Program and report to Congress on the state of the National Sea Grant Program.
- Aside from recommendations, Dr. Orbach would also like alternatives, cost and benefits.

**4:55 PM Meeting recessed until 9:30 a.m. September 17, 2013**

**Monday, September 17, 2012**

**Open to Public**

9:30 - Call to Order, review agenda and previous day's discussions (Nancy Rabalais, NSGAB).

Dr. Rabalais reported to attendees that there is an issue with the communications equipment. There were no other topics that needed to be reviewed.

### **Focus Team Liaison Reports**

- Dr. Orbach requested the Board receive copies of the presentations.
- Mr. Simmons asked if there was any further news on the release of the Rip Current App from New Jersey Sea Grant. Dr. Brown replied that the National Weather Service (NWS) was looking into it. John Miller (New Jersey Sea Grant affiliate) has been asked to present at the annual Leadership meeting of the US Life Guard Association later this year. The Rip Current app relies on the lifeguards to report and send data. Dr. Orbach noted that Wendy Carey (Delaware Sea Grant) is on the Hazards focus team and has suggested a symposium for researchers involved in rip current research and will consider once funding is available.
- Emily Susko (NSGO) reported on the Hazard Resilience in Coastal Communities (HRCC) and the Sustainable Coastal Development (SCD) focus teams
- Wan Jean Lee (NSGO) reported on the Healthy Coastal Ecosystems (HCE) and the Safe and Sustainable Seafood Supply (SSSS) focus teams
- Mr. Stubblefield asked who participated in the SSSS Portland Workshop. Dr. Lee replied scientists, researchers and decision makers. Mr. Schmitt noted he is a member of the SSSS Focus group and more importantly he is a supporter of the focus area approach. The teams look at over 130 accomplishments and synthesize them for use in the PRP and Biennial Report.

### **Break**

### **NOAA Research Update and Discussion (Dr. Robert Detrick, Assistant Administrator for NOAA Research and Craig McLean, Deputy Assistant Administrator for NOAA Research—via conference call) Introductions (Dr. Rabalais)**

Dr. Detrick thanked everyone for the opportunity to meet with the Board.

- Focused much of his attention to get to know OAR leaders and to familiarize himself with the large research portfolio and will continue to build relationships.
- He has been very impressed with the work that has been going on and the expertise and partnerships as well as Sea Grant Leadership. It is extremely important to the coastal communities that OAR serves.
- Dr. Detrick discussed where he sees NOAA research going in the future. As a successful organization it requires a clear vision of what it is trying to achieve. OAR does research development and tech translation, which is reflected in the new mission statement. Translation means it isn't only limited to research. The OAR mission is to lead to an updated vision. The vision for OAR is that we should be *the* trusted world leader in serving and understanding the earth's systems. OAR can't achieve this mission alone and need to strengthen our partnerships.
- Dr. Detrick was particular impressed as to how Sea Grant has oriented its goals and objectives to address Sea Grant nationally and NOAA's priorities and missions.

- In addition to doing excellent research, it is important for NOAA to translate science for the communities. Sea Grant has a critical role to play with coastal communities.
- The NOAA Science Advisory Board (SAB) is reviewing NOAA's research portfolio and encompasses all research. There was a similar review back in 2004 which resulted in a significant amount of suggestions. The SAB is well along in their review and NOAA and OAR leadership look forward to hearing their preliminary findings in November and their final recommendations next spring. This committee's report could have a significant effect on OAR and NOAA's research portfolio. There will also be Lab reviews and the research conducted in their labs.
- There will be a new 5-year research plan for NOAA 2013-2018. We are working on a draft now and will not finalize the draft until the SAB's R&D review recommendations. The report will be opened for public comments in December or January and will be finalized soon after the final recommendations are available.

### Discussion

- Dr. Rabalais asked if there were any comments back to us about the Report.
  - Dr. Detrick replied that he was pleased with the report. He understands the regarding funding and would really like to see that purchasing power restored. As the Board knows these are tough financial times and will be a difficult thing to do, but the program has support of NOAA and on the Hill. It was also important for the report to highlight the 5% cap on the administrative office and that it is limiting the effectiveness of the NSGO. If the cap were to be removed and staffing restored to levels of 10 years ago, it would help the NSGO. Dr. Detrick commented on the excellent job in highlighting the value of Sea Grant.
  - Dr. Detrick also thanked Jeff Reutter, who had sent a number of examples for the research application award on how Sea Grant resources have been translated in practical terms for the community.
  - Capt. McLean discussed with Admiral West and Dr. Rabalais that their first three recommendations are capable of responding to new and challenging nature of the current political environment. The recommendation that highlights measurable impacts shows in-hand in statistics of what Sea Grant has done.
  - Dr. Rabalais thanked Dr. Detrick and Capt. McLean. She added that, should they need assistance for external reviews of the OAR labs, that the Sea Grant Advisory Board, SGA and National Office stands ready to help.
  - Capt. McLean reported to the Board that they may be interested in the climate and internally in moving the climate going forward and there are 4 areas to emphasize a couple are significant interest to the sea grant community, coastal inundation, extreme weather events, marine eco systems and impact of climate change on ecosystems, droughts and flood and all areas are going to be of interest in the coastal community. 14 teams were put together to develop goals and implementation plans and if those get developed I would like to circulate those to the sea grant institutions to the board and to identify ways the sea grant community can contribute.
  - Mr. Stubblefield thanked Dr. Detrick and Capt. McLean for joining us. The Advisory Board has long been advocated a partnership between our OAR Labs and Sea Grant. And asked if there might be an opportunity to look at those areas where partnerships can emerge and be beneficial.

- Capt. McLean replied he thinks that the area that we are ripe to dig into that we haven't been prepared to handle at this point, the maturity of our process in lab and program reviews find us ready to have value and discussion. I think it is timely that we take a closer examination of where and how the science is performed. The extension agents located at the Great Lakes Environment Lab and at the National Severe Storms Lab in Oklahoma shows a further reach of Sea Grant in the engagement in the process.
  - Dr. Orbach complimented Capt. McLean on highlighting Sea Grant and asked if there was more that Sea Grant could be doing to get increase Sea Grant visibility at NOAA?
  - Dr. Detrick replied that aligning Sea Grant goals with NOAA's goals is a big step forward in addressing the issue - and Sea Grant has done that

### **Focus Team Discussion-**

Dr. Rabalais noted Ms. Ban asked the focus team chairs to be available for questions (Dr. Joshua Brown, Mr. Dorn Carlson, Dr. Gene Kim, and Mr. Mike Liffmann).

- Mr. Stubblefield noted we are going to use the focus teams as the review in the PRP, yet some of the programs emphasize one focus team more than they emphasize another. As a consequence their evaluation will be weak. Is there going to be a way to process the difference between the teams in the PRP?
  - Ms. Ban replied every review will be weighted based on each programs federal investment in that focus area. A group that participates in three focus areas will be weight in those areas and how they are proceeding towards their Strategic Plan.
  - Dr. Brown noted that the focus teams add value and serve as a standard think tank to develop ideas to benefit the National Office. The NSGO is becoming smaller and we don't have the expertise to review impact and future focus areas. Focus areas provide a standard communication and they also help us interact with other standard networks. There are some issues to consider. We are uncertain how the focus team will transition to the new Strategic Plan because the database will be different. One issue that is coming to light with the lack of focus area specific funding and face to face meeting for the focus meetings and it is hard to gel the teams.
  - Dr. Rabalais noted to that she likes the movement forward. The HCE focus area is very broad but there is an effort to bring more focus to it. The addition of Jim Eckman understanding now that there is an acknowledgement of how broad the topic areas are that there will be an effort to focus more
  - Mr. Liffmann noted the intent was to get more involvement from the programs. Since the NSGO does not have a lot of subject matter expertise any longer it becomes difficult to ensure we are doing the right things. There have been real signs of progress since starting the focus teams. It is a tool.
  - Dr. Kim referenced the success of focus teams, the three standing responsibilities: Assisting in the development of the Sea Grant National Plan; assessing progress in achieving the outcome identified in the National Plan; and discretionary responsibilities.
  - Mr. Vortmann referenced slide #2 "Annual Review of the Program Impacts in Each Focus area and asked if the output of that would be in the PRP process.

- Dr. Kim replied the output of the annual review will not be specifically in the PRP Process, it is an annual review that each program contributes. The PRP is a measurement of each programs impacts and progress towards their plan. They are two separate activities.
- Dr. Orbach noted he is a big fan of the idea, but wonders if we could get a couple of comments in a few words about the major successes or good things that this focus team process has been and challenges.
  - Dr. Brown listed many successes from the focus teams - community climate adaptive initiative, aquaculture, working waterways symposium, coastal hazards and smart growth experts panel. As challenges he said that there is serious unevenness in participation and team leadership, uneven expertise on the team, some team members are much bigger thinkers than others and that has created imbalances. Finally, there are serious network misperceptions about the role of focus.
  - Mr. Liffmann replied that there is also the misperception within the network of what the focus teams do as opposed to focus areas. There has been a communications gap between the teams and the rank and file out in the field. We try to renew the conversation and reiterate what focus teams do and then we have something break down again. They are fairly well integrated in connections and focus teams. We are trying different things.
  - Dr. Orbach noted drawing from Craig’s response, looked at all of the focus teams and their membership. He said that they are Sea Grant network people and the only exception was the HCE focus team. Would the system benefit from more membership in related organizations outside of Sea Grant on these teams?
    - Dr. Brown replied, yes it benefits. The challenges if you have too many people who are not Sea Grant on the focus teams is that they would be confused about what the network is doing. However, if you have too few people from outside the Sea Grant network, you lose the ability to introduce new ideas. The SCD had relatively few people from outside and has added more folks recently. HCE and fisheries had significantly more people from outside.
    - Mr. Liffmann replied that the “outsiders” are usually NOAA folks so they are not too far outside.
    - Dr. Orbach replied there is a disadvantage if the outside people are NOAA people. Why not have a couple elected officials. I realize the farther away the less investment they may have. If participation and leadership are low you go for leaders.
- Dr. Rabalais wrapped up the discussion and noted we have heard many successes and many encouragements and recognized challenges and opportunities to make the focus teams more effectively.



## **Public Comment Period**

- Dr. Rabalais noted that she received no written comments. Several Sea Grant program staff joined the meeting and Dr. Rabalais took comments from them.
- Frank Lichtkoppler, Ohio Sea Grant expressed his concerns regarding the reporting process. It is difficult to get the field agents or scientists do all of this reporting. It might help the National Office tell a better story to NOAA and members of Congress, but it is very difficult to do. Everyone is having a hard enough time getting work done and sometimes feel we over report, too many reports out and not enough done.
  - Mr. Simmons replied that perhaps the issue is that that you may feel that you are over-reporting but you may be under-advertising. If you want to assistance or to talk I am willing to give you my card.
  - Dr. Rabalais replied, we have a Sea Grant Advisory Board members on the Extension, Education and Communicators networks. That is a good way to get information or concerns to the Board.
  - Ms. Ban noted that the Communicators Network and the NSGO communicators work together and have made tremendous effort to increase the effectiveness of “in-reach.” The NSGO is trying hard to make certain the programs know what is going on in headquarters and vice versa. They do this through calls, biweekly emails, social media and other tools to help with the communications. The communicators are just as aware and are trying to address the issues and are open to suggestions.

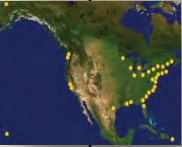
### **Discussion of meeting topics and next steps**

- Dr. Rabalais noted that the Board has had some excellent discussions on important issues facing Sea Grant, especially with reauthorization and allocations. She asked if any of the Board members have comments.
  - Admiral West wanted to confirm with Madam Chair that they are going to formally task Leon to establish a review team for the evaluation of PIER.

**Mr. Simmons motioned to adjourn the meeting (Mr. Schmitten 2<sup>nd</sup>).**

**No objection.**

**Meeting adjourned at 12:30 pm**

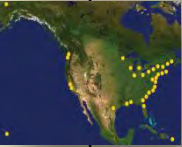


# National Sea Grant Office Report

*National Sea Grant Advisory Board*

Dr. Leon M. Cammen  
Director,  
NOAA's National Sea Grant College Program  
September 16, 2012

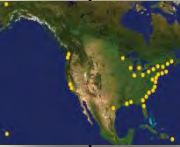




# Welcome

Thank you for being here and welcome to  
Girdwood, Alaska.

A special thanks to our host,  
Alaska Sea Grant.

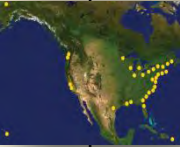


# Overview

- Acknowledgements of Board Contributions
- Budget
- NSIs – what next?
- Breaking News
- Sea Grant achievements
- 2012 National Competitions

## Later Presentations:

- Performance Review Panel
- Strategic Plan

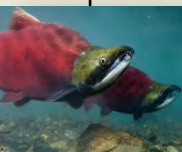
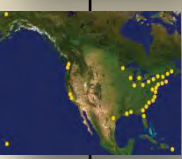


# Thank you

- Sea Grant Knauss Selection Panel
  - Rollie Schmitten
- Coherent Area Program (CAP) Review: Lake Champlain, Guam Sea Grant
  - Harry Simmons, Dick Vortmann
- Strategic Planning Committee
  - Dick Vortmann
- *The State of Sea Grant 2012* Biennial Report Committee
  - Chair, Dick West

## Upcoming:

- Performance Review Panel (PRP)
- Allocation Committee
- Reauthorization Committee



# FY13 Appropriation

- FY 2012

– Base	\$56,854,000	} \$62.2M
– Invasive Species	\$999,000	
– Aquaculture	\$4,309,000	

- FY 2013

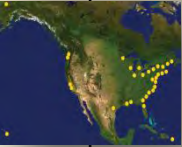
– Presidents Budget		} \$61.6M
• \$57,092,000 Sea Grant Base		
• \$4,556,000 Marine Aquaculture		

– House Mark		} \$61.6M
• \$57,092,000 Sea Grant Base		
• \$4,556,000 Marine Aquaculture		

– Senate Mark		
• \$62,000,000 Sea Grant (Aquaculture not mentioned)		



# FY2011-13 Spend Plan for Sea Grant

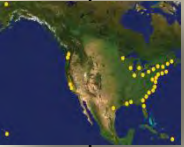


<b><i>FY 2011-13 Spend Plan for Sea Grant</i></b>	<b><i>FY2011 Final</i></b>	<b><i>FY2012 Spend Plan</i></b>	<b><i>FY2013 President's Budget</i></b>
<b>1. APPROPRIATION</b>	61,356	63,000	61,648
<b>2. CARRYOVER AND PRIOR YEAR DEOBLIGATIONS</b>	200	-7	0
<b>3. AGENCY ADJUSTMENTS</b>	0	-799	0
<b>Total Available Funds</b>	<b>61,556</b>	<b>62,194</b>	<b>61,648</b>

<b><i>Expenditures</i></b>	<b><i>FY2011 Final</i></b>	<b><i>FY2012 Spend Plan</i></b>	<b><i>FY2013 President's Budget</i></b>
<b>3. SEA GRANT STATE PROGRAMS</b>	50,831	49,772	49,798
<b>4. EDUCATION/FELLOWSHIPS</b>	884	827	876
<b>5. SEA GRANT NETWORK ACTIVITIES</b>	234	810	760
<b>6. REGIONAL AND NATIONAL ACTIVITIES</b>	5,480	6,767	6,224
<b>A. NATIONAL STRATEGIC INVESTMENTS</b>	4,736	5,972	5,556
<b>B. REGIONAL PROGRAM DEVELOPMENT</b>	350	200	200
<b>C. NATIONAL PROGRAM DEVELOPMENT</b>	394	595	468
<b>7. NOAA-WIDE PROGRAMS AND MANAGEMENT</b>	4,135	4,018	3,990
<b>Balance / (Deficit)</b>	<b>-7</b>	<b>0</b>	<b>0</b>



# FY13 Budget Sequestration – How could we cope with an 8.2% / \$5.1M reduction?



One potential approach:

- 3% reduction to Base and Merit funding, Library, Law Center, Bridge, OAR Partnerships – \$1.3M
- 9% reduction to NSGO, Advisory Board, SBIR, National PD – \$0.4M
- 10% reduction to National Marine Aquaculture – \$0.4M
- Elimination of Climate Adaptation \$100K projects, Focus Team support, Invasive species, NOAA Regional Team Collaborations – \$2.0M
- FY13 Climate Capacity-building and Social Science were partially prepaid using FY11 and FY12 funds – \$1.0M



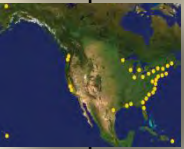
***Once we have the final budget, we can refine the approach if necessary***





# FY13 Budget – Discretionary National Strategic Investments

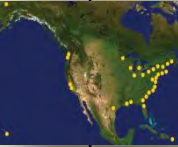
- If we are level funded, we will have almost \$2M available for new NSIs
- Suggestions?
  - Current plan: Second round of Climate Adaptation \$100K projects
  - A new suggestion: Large Regional Collaborations to address Sea Grant's Regional Research Plans
  - Coastal Tourism
  - Another round of Social Science
  - Others ideas will emerge this week
- Focus Team input will also be sought

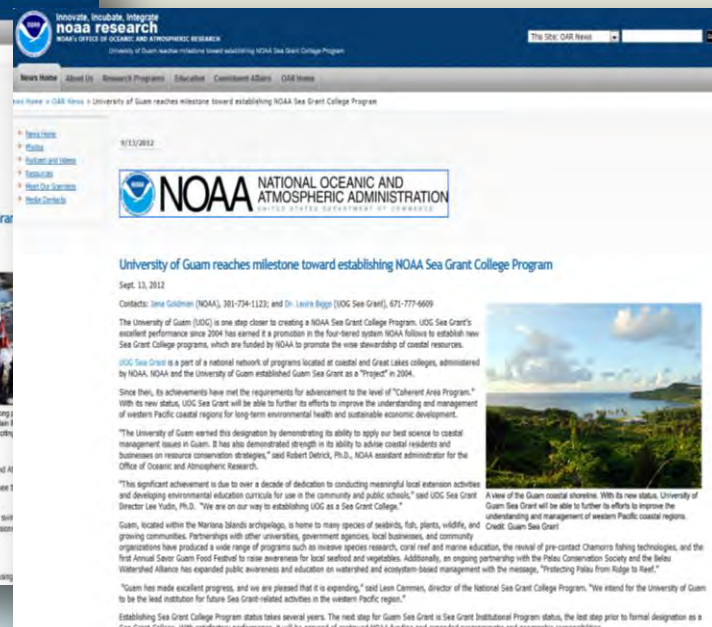




# Breaking News

- Guam and Lake Champlain Sea Grant Awarded Coherent Area Program Status
  - Joint NOAA/University press releases issued 9/13/12







# THE STATE OF SEA GRANT 2010



# THE STATE OF SEA GRANT 2012

Impacts, Challenges, Opportunities



August 2012

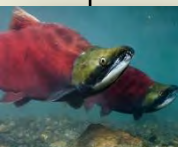
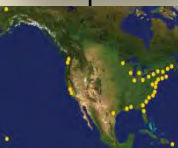
Biennial report to Congress by the

National Sea Grant Advisory Board

# *The State of Sea Grant 2012* Biennial Report

- Required by 2008 Sea Grant Act (PL110-394)
- Second biennial report to Congress





# National Sea Grant College Program

## 2011 Performance Measures and Metrics

As a result of *Sea Grant* activities, the Nation achieved...

### Economic Benefits

- \$170M In Economic Benefit
- 630 Businesses Created or Retained
- 3,800 Jobs Created or Retained



### Healthy Coastal

#### Ecosystems

- 480 Ecosystem-Based Management (EBM) Tools, Technologies, and Information Services Developed
- 550 EBM Tools Used by Sea Grant customers
- 4,400 Resource managers use EBM
- 670,000 Acres of degraded ecosystems restored

#### Research

- 230 Proposals Funded
- 400 Peer-Reviewed Publications



### Safe and Sustainable Seafood Supply

- 9,800 Fishers adopt responsible harvesting techniques
- 55,000 Stakeholders modify practices based on increased knowledge of safety, sustainability, and health.
- 1,500 Hazard Analysis & Critical Control Points (HACCP) certifications



### Hazard Resilience in Coastal Communities

- 450 Communities trained in Resilience
- 140 Communities Improved Resilience



### Sustainable Coastal Development

- 900 Communities implemented sustainable development practices/policies
- 800 Clean Marine Certifications

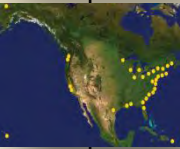


### Education, Outreach and Extension

- 315,000 Volunteer Hours
- 1,000 Undergraduate students supported
- 150 Undergraduate degrees awarded
- 950 Graduate students supported
- 200 Graduate Degrees Awarded



# 2012 National Competitions



- Community Climate Adaptation Initiative
- Aquaculture Research Program
- Regional Team Collaboration Grants
- Special Projects:



## SEA GRANT FUNDING

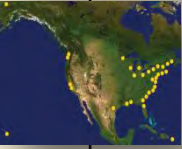
Conferences and Workshops  
Community supported fisheries workshop  
*Extension Fundamentals* update  
Land Intensity Data for the St. Louis River Estuary  
Economic benefits methods



## PASS THROUGHGS

Coastal storms Great Lakes program  
Community supported fisheries workshop  
Asian carp education and outreach  
Bottlenose dolphin research  
Marine mammal/fishery interactions





# Why so many competitions this year?

- We can only award grants as Institutional, Competitive, or Non-competitive.
- We now have to award most grants competitively.
- What does this mean to SG Programs?
- Justifiable noncompetitive awards can still be made



# Social Science National Strategic Investment

**Goal: To increase Sea Grant's capacity to enhance our understanding of the human dimensions of coastal, ocean, and Great Lakes resources**

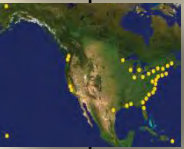
## **FY2010**

- 19 of 32 SG programs funded 38 social science research projects
- Total Federal = **\$1,914,575**

## **FY2012**

- 28 of 32 SG programs funded 67 social science research projects
- Total Federal = **\$5,949,009**
- Includes \$350,000 from Coastal Services Center and EPA for Gulf Regional projects

**Total Social Science Research Funding for FY12/13 (including Match)**  
**= \$16,908,978**

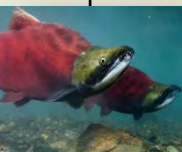
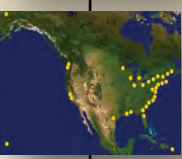






# Climate Change Competition

**Goal:** To assist in the preparation for the current and predicted impacts of climate variability and change on America's coastal communities.



## Climate Outreach and Education

### Federal Investment

2010-2011 – \$1,000,000

2012-2013 – \$2,000,000

Total – \$3,000,000

### Match

2010-2011 – \$500,000

2012-2013 – \$1,000,000

Total – \$1,500,000

### Number of projects

2010-2011 – 34

2012-2013 – 43

### Number of Programs

2010-2011 – 33

2012-2013 – 33

## Climate Research

### Federal Investment

2010-2011 – \$2,577,464

2012-2013 – \$3,072,462

Total – \$5,649,926

### Match

2010-2011 – \$1,290,574

2012-2013 – \$1,729,215

Total – \$3,019,789

### Number of projects

2010-2011 – 17

2012-2013 – 30

### Number of Programs (total 19)

2010-2011 – 11

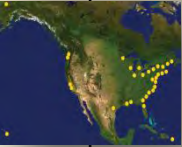
2012-2013 – 18







# Thank you



- Questions?



*Sea Grant Association*

2012 SGA Fall Meeting  
President's Report to the  
NSGAB

Jonathan Pennock

# SGA Leadership

## 2011-12 SGA Board

Gordon Grau	Past-President
Jonathan Pennock	President
LaDon Swann	President-Elect
Karl Havens	Secretary
Linda DuGuay	Treasurer
Chuck Wilson	At-Large Member
Penny Dalton	At-Large Member
Jeff Reutter	PMC Chair
Mike Voiland	ERC Chair [Jan 2011 – Mar 2012]
Paul Anderson	ERC Chair [Mar 2012 – Present]

# SGA Leadership

## 2013-14 SGA Board

Jonathan Pennock	Past-President
Ladon Swann	President
Sylvain DeGuise	President-Elect
Chuck Hopkinson	Secretary
Nancy Targett	Treasurer
Pamela Plotkin	At-Large Member
Penny Dalton	At-Large Member
Karl Havens	PMC Chair
Paul Anderson	ERC Chair

**\*\* Not to be Made Public Until Tuesday AM**

# Directors Retiring or Moving On

Anders Andren	Wisconsin
Chrys Chryssostomidis**	MIT
Barry Costa-Pierce	Rhode Island
Jonathan Kramer	Maryland
Russ Moll	California
Bob Stickney	Texas
Mike Voiland**	North Carolina
Mary Watzin**	Lake Champlain
Chuck Wilson	Louisiana

\*\* Announced Retirement/Departure in Near Future

# SGA Committee Leadership

Strategic Planning	LaDon Swann
2012 Report to Congress	Gordon Grau
Reauthorization	Paul Anderson, Rick DeVoe, Karl Havens, Penny Dalton & LaDon Swann
Allocation III	Karl Havens, Linda Duguay & Jim Ammermann
Focus Teams	HCE: Jim Eckman SSSS: Penny Dalton HRCC: LaDon Swann SCD: Brian Miller
APLU BOAC	Steve Brandt & Jonathan Pennock
OAR SEC	Jonathan Pennock

# SGA 'Ad Hoc' Advisory Committee

The SGA has recommended to Leon that an 'Ad Hoc' Advisory Committee be created that could provide a sounding board for the NSGCP Director on issues of importance for the Program. Of particular relevance would be items such as national investments, high level planning, implementation and reporting and similar items.

As a starter, the SGA has recommended that the SGA President, Past-President and President-Elect serve on this committee.

# SGA Opportunities & Concerns

- Obviously, the funding climate remains a concern. The SGA continues to work effectively with Congress although the level of uncertainty remains high.. We need to continue to need to work diligently with NOAA and OMB and will be most effective working with the NSGAB.
- National Initiatives like last years Social Science Initiative have been effective. The SGA recommends that there be more discussion and clarity from the NSGO as these are initiated. The large number of small initiatives last year caused confusion and question over priorities within the Network.
- There remain very real and, at times, debilitating pressures on Network programs at the university, state and federal levels. My sense is that a number of director's at times do not feel the support of the NSGO and NSGAB.



# SGA Opportunities & Concerns

- Reporting (PIER) remains an element of the program that is the focal point of this frustration as, despite significant efforts from the NSGO, many in the network do not feel that their concerns are being heard.
  - Most programs have invested more than 1 FTE per year on reporting over the past year and sense that this is only going to increase.
- Comments I have seen include:
  - ... we have tried – and we keep trying, but we just do not seem to make any progress on these issues.
  - I don't like to complain, but when it directly affects my program and my staff, I feel I need to. And there are ways that we can reduce the burden while giving NSGO what it needs – but it seems we are not given the opportunity to offer up ideas...
  - My management team has already agreed to submit fewest goals possible at the minimal numbers possible, as there seems no reason for the program to challenge itself against measures that it doesn't agree with or can't possibly attain.

# SGA Opportunities & Concerns

- My management team has already agreed to submit fewest goals possible at the minimal numbers possible, as there seems no reason for the program to challenge itself against measures that it doesn't agree with or can't possibly attain.
- ... we have tried – and we keep trying, but we just do not seem to make any progress on these issues.
- I don't like to complain, but when it directly affects my program and my staff, I feel I need to. And there are ways that we can reduce the burden while giving NSGO what it needs – but it seems we are not given the opportunity to offer up ideas.
- I lost a very competent staff person because of the demands we have had to place on our programmatic staff to do all this bureaucratic stuff.
- We also cannot measure some of the national metrics. In our experience, we have almost no chance of getting a public school to adopt a new curriculum, so our goal will be zero on that one. Likewise, it is impossible for us to tell how many people in our state change their seafood buying practices BECAUSE of us. So there too we will have a goal of zero.

# SGA Opportunities & Concerns

- Our strategic planning and reporting efforts are slowly making a fantastic and unique program into a typical NOAA program, by incrementally moving us away from constituent-based outcomes and measures towards nationally developed outcomes and measures.
- Already one program appears to be abandoning their base – saying that they are just going to adopt the national plan as his state plan by changing a few words. What does this mean? What if other states do this? Soon we will become ‘them’ just like NOAA and there will go our credibility and ability to have important outcomes and impacts.
- I believe that the recent strategic planning initiative was well run, but it, and our upcoming discussions on Re-Authorization and Allocation are being significantly impacted by the frustration over reporting. This is something that SGA, NSGO and NSGAB leadership needs be aware of and determine how best to address.

# ERC - National Sea Grant College Program Funding Status for FY 2013

	<u>Sea Grant</u>	<u>OAR</u>	<u>NOAA</u>
• FY 10:	\$63M	\$449M	\$4748M
• FY 11:	\$61M	\$445M	\$4596M
• FY12:	\$63M	\$384M	\$4906M
*****			
• FY 13 Request:	\$62M	\$413M	\$5060M
• FY 13 SGA “Ask	\$69M		
• FY13 House:	\$62M	\$405M	\$4961M
• FY13 Senate:	\$62M	\$415M	\$3418M
• FY13 Final:	TBD	TBD	TBD

# ERC - Major and NOAA Issues Impacting Sea Grant

- Six Month CR - funding is said to be at FY12 level, not clear how CR will impact NOAA's support for extramural vs internal activities;
- Jan 2013 - Possible sequester of FY13 resources by as much as 10% - creates great uncertainty within all agencies;
- Full range of tax cuts expire in Dec, together with sequester in January 2013 sets up a major budget confrontation at the start of new year right after the Presidential election for new or returning White House and Congress;
- New leadership in the Office of Oceanic and Atmospheric Research - Dr. Robert Detrick
- Growing role of Dr. Kathy Sullivan as Deputy Administrator for NOAA, Acting Chief Scientist, etc.
- NOAA attempting to recover from big cuts in OAR's FY 12 climate research program
- Senate proposal to transfer satellite development and procurement programs and \$1 billion plus from NOAA to NASA - pending in FY13 appropriations process
- NOAA SAB in the midst of a portfolio review of NOAA research programs and directions
- New Federal travel restrictions imposed by OMB to hold federal travel 30% below FY 10 levels.

# ERC - Key Legislation for Sea Grant

- Sea Grant Reauthorization
  - Authorized through FY 2014
  - NSGCP and Review Panel already thinking about reauthorization process and issues
  - SGA generally supportive of the current version of the Sea Grant legislation
  - Issues that may surface in reauthorization process: allocation, regional, administrative cap
  - Expect NOAA to submit draft reauthorization legislation with FY 2015 budget request (18 months from now)
- National Endowment for the Oceans Legislation - NEO
  - Legislation introduced by Sen Whitehouse from Rhode Island
  - Taps funding from offshore oil leases for ocean and coastal activities – including research and outreach
  - Requires collaboration between CZM agencies and Sea Grant programs
- RESTORE Act
  - Legislation to direct gulf oil spill fines to be used for gulf coast restoration
  - Included a slimmed down version of the NEO bill as a section within the Senate's version of the RESTORE bill
  - Final version of RESTORE – while providing significant marine research funding to gulf states does not include “NEO-lite” provision



# ERC - Looking Into An Uncertain Future

- Build and re-build working relationships with key committees and staff – even in face of possible significant turn over
- Individual Sea Grant programs must also build and re-build working relationships with local Congressional delegations.
- Reinforce Sea Grant message of research, extension, outreach and education contributes to a healthy and sustainable coastal economy
- Delegates to be asked to re-engage with local Congressional delegations when FY 2013 final spending decisions are being negotiated later this calendar year or next
- Sea Grant continue to build visibility within other NOAA line offices; will be helpful in assisting OAR leadership own outreach/inreach efforts.
- Consult Calendar of Major Events (organized by month and located in SGA Week 2012 briefing book) for specific suggestions for SGA delegate outreach

# In Memoriam

Scott Nixon





# 2012 Sea Grant Association Award

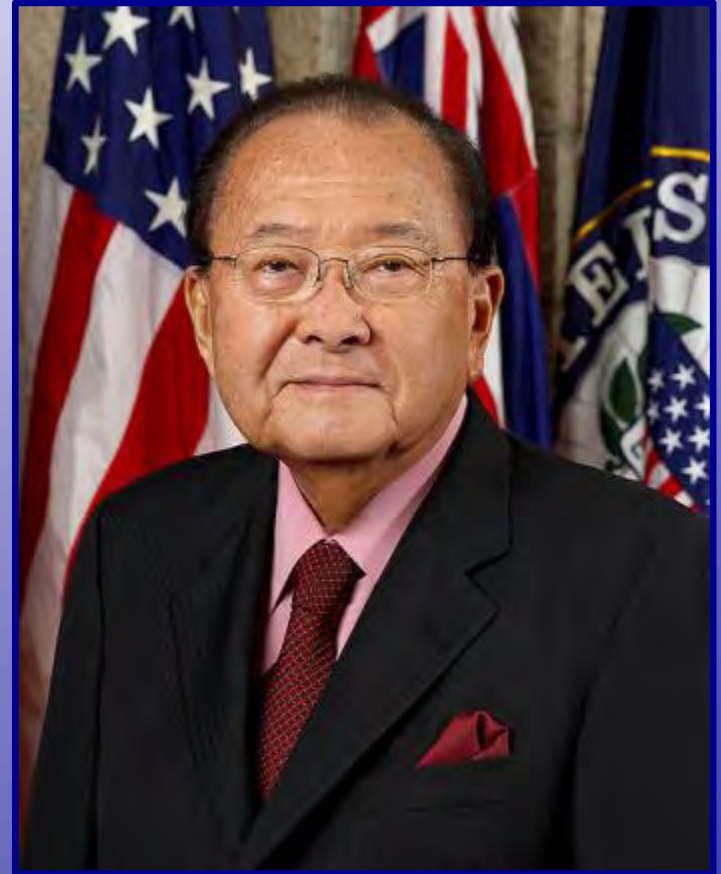
The Honorable  
Olympia J.  
Snowe



\*\* Not to be Made Public Until Thursday PM

# 2012 Sea Grant Association Award

The Honorable  
Daniel K. Inouye



\*\* Not to be Made Public Until Thursday PM

# 2012 SGA Distinguished Service Award

Anders Andren



\*\* Not to be Made Public Until Thursday PM

# 2012 SGA President's Award

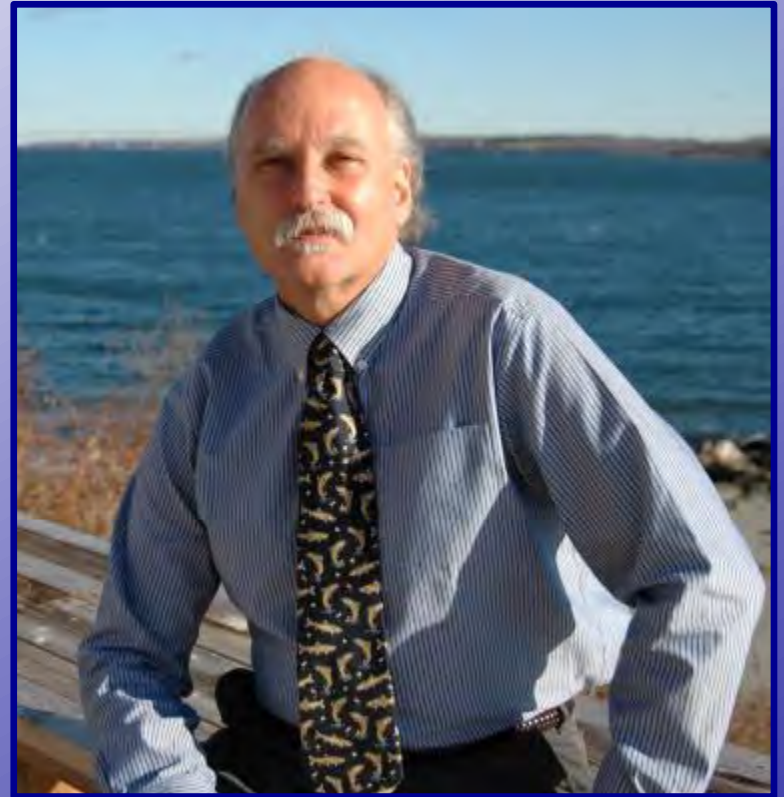
Gordon Grau



\*\* Not to be Made Public Until Thursday PM

# 2012 SGA President's Award

Barry Costa-Pierce



\*\* Not to be Made Public Until Thursday PM

# 2012 SGA President's Award

John T. Woeste



\*\* Not to be Made Public Until Thursday PM



# 2012 SGA President's Award

Frank Cushing



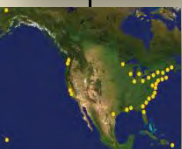


# SGA Research to Application Award

## **Oregon Sea Grant Makes Waves for Renewable Energy**

Alan Wallace and Annette von Jouanne  
Oregon State University

Kaety Hildenbrand and Flaxen Conway  
Oregon Sea Grant



# Overall Sea Grant Evaluation and the 2012 Performance Review Panel *National Sea Grant Advisory Board*

Dr. Leon M. Cammen  
Director,

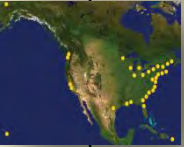
NOAA's National Sea Grant College Program  
September 18, 2012





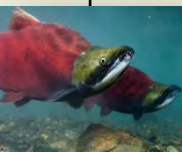
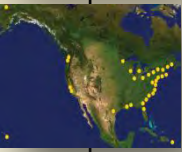
# Planning, Implementation and Evaluation (PIE) Overview

- Planning – 4 Year Strategic Plans (2010 – 2013)
- Implementation - Projects
- Evaluation
  - Every 4 Years
    - **Site Visits** (Management, Stakeholder Engagement, Collaboration)
    - **Performance Review Panel** - Structured performance review of all SG Programs over the last 4 years, based on their program plan.
  - Every 2 years
    - **Biennial Report** – Advisory Board reports on the state of the national sea grant college program, including indicating in each such report the progress made toward meeting the priorities identified in the strategic plan.

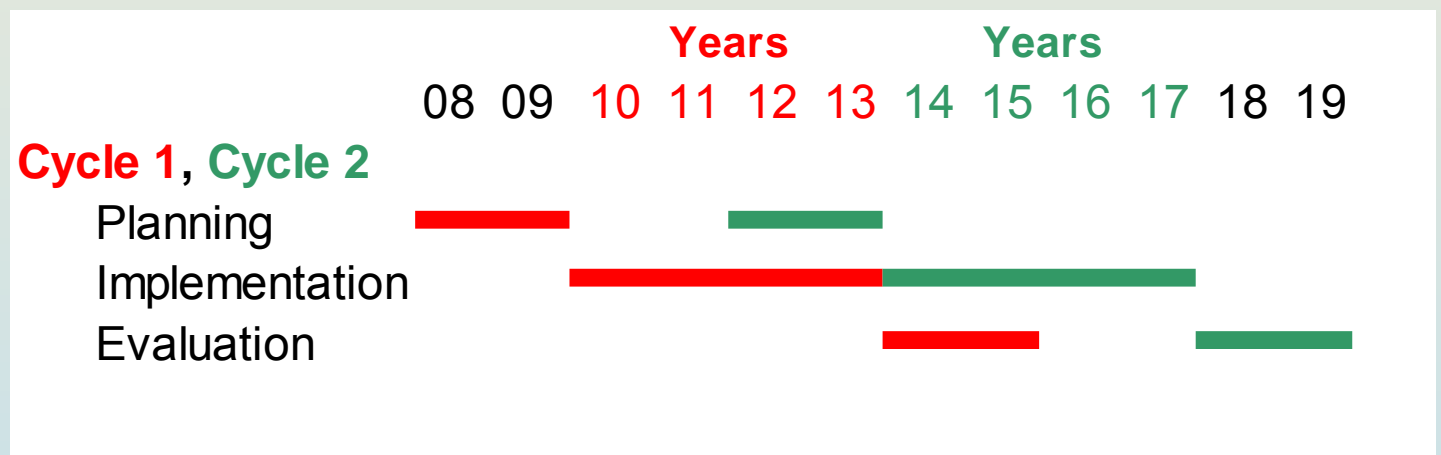




# Performance Review Panel (PRP)



- October's Transitional PRP
- PRP for 2010-13 program plan will take place in 2015
- PRP for 2014-17 program plan will take place in 2019





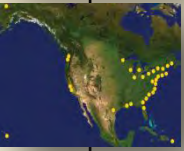
# 2012 Transitional PRP

2012 Transitional PRP will be reviewing:

- Each program's progress towards achieving its four-year strategic plan (for the years 2010-2011), and
- Each program's overall impact (2008-2011) in each focus area.

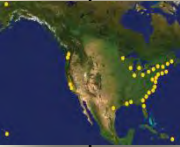
How will the PRP results be used?

- PRP weighted ratings contribute to overall rating
  - Healthy Coastal Ecosystems
  - Sustainable Coastal Development
  - Safe and Sustainable Seafood Supply
  - Hazard Resilient Coastal Communities
  - Marine and Coastal Literacy
- Allocate merit funding based on overall rating





# PRP Schedule



- Oct. 15-19, 2012:

- Safe and Sustainable Seafood Supply (SSSS)
- Sustainable Coastal Development (SCD)
- Marine/Coastal Literacy Panels

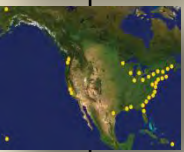
- Oct. 29-Nov. 2, 2012:

- Hazard Resiliency in Coastal Communities (HRCC)
- Healthy Coastal Ecosystems (HCE)





# 2012 Performance Review Panel



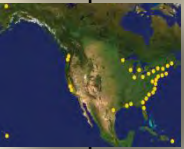
- PRP Reviewers include:
  - National Sea Grant Advisory Board members
  - Senior-level academia
  - Government
  - Industry
- Each panelist will serve as:
  - a primary reviewer for approximately five programs
  - a secondary reviewer for approximately ten programs
  - a tertiary reviewer for all remaining programs
- Review is Monday-Thursday, Friday is a full day to review scores and complete PRP Summary Evaluation Form to be returned to the Program.





# PRP Reviewer Responsibility

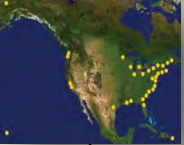
- Each panelist will be assigned as either the primary or secondary reviewer for a subset of programs, and will be responsible for filling out the evaluation form prior to the PRP review.
- All other members on the PRP focus team working group will serve as tertiary reviewers.
- The primary reviewer will be responsible for leading the discussion on each program with substantive input from the secondary panelist, and will be responsible for the final summary report back to the program.
- All PRP members will be expected to provide ratings.





# PRP ratings

## Progress toward Plan



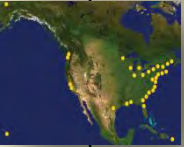
- The PRP working groups will first assign a rating based on the program's progress towards its plan in the designated focus area (accounting for 50% of the program's overall focus area rating):

- ❖ *Highest Performance (4) – exceeds expectations by an exceptional margin in most areas/aspects*
- ❖ *Exceeds Expectations (3) – by a substantial margin in some areas/aspects*
- ❖ *Successful (2)*
- ❖ *Below Expectations (1)*
- ❖ *Unsuccessful (0)*



# PRP ratings (con't)

## Overall Impact

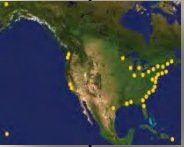


- The working groups will then be asked to make an additional assessment of each program's overall impact within the focus area between 2008-2011 (accounting for 50% of the program's overall focus area rating):

- ❖ *Highest Performance (4) – had particularly outstanding scientific or societal contributions on the local, regional or national level relative to their level of federal investment*
- ❖ *Successful (2) – had an acceptable, but not unusual, level of performance relative to the level of federal investment*
- ❖ *Below Expectations (0) – had a level of performance substantially less what would be expected relative to the level of federal investment*

# PRP Program Review Materials

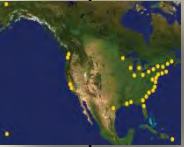
- Documents available through Sea Grant Database (PIER)
  - [Pier.SeaGrant.NOAA.gov](http://Pier.SeaGrant.NOAA.gov)
    - Optional 1-page Program Introduction
    - Program Summary Report
    - PRP Report
    - Reference: Program Strategic Plan
- Available August 22
- Evaluation forms due prior to the panel (PDF)
  - October 1 for SSSS, SCD, Literacy
  - October 15 for HCE and HRCC
- All panelists should bring a laptop.
  - We will provide one, if necessary



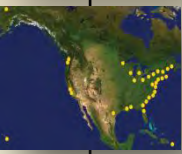


# PRP Program Review Discussions

- Chair
  - Lead discussion; keep time; decide on conflicts of interest
- Primary Reviewer
  - Introduce the program, goals, objectives
  - Start discussion
    - Discuss PRP Report
    - Discuss Program Summary Report
  - Explain ratings and comments for:
    - Progress toward Plan
    - Overall Program Impact
- Secondary Reviewer
  - Discuss additional thoughts; Explain ratings and comments
- All panelists
  - Discuss additional thoughts, ratings and comments
  - Record your scores for this program (your scores may change from your pre-panel scores, if you wish)

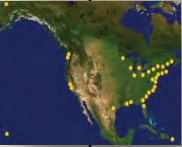






# PRP Evaluation from Panelists

Following the PRP we will ask members to provide us feedback on the process



# Allocation Implementation Update

## *National Sea Grant Advisory Board*

Dr. Leon M. Cammen  
Director,

NOAA's National Sea Grant College Program  
September 18, 2012

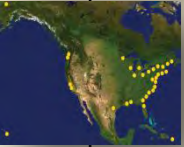






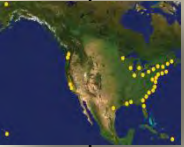
# Allocation Committee Charge from NSGCP Director:

- To develop policies and criteria for managing and allocating Sea Grant funding resources that will be consistent with Sea Grant's legislative authority and will maximize the effectiveness, efficiency, and impact of the National Sea Grant College Program.





# Allocation Committee Report



Recommended keeping the following principles:

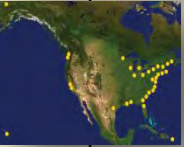
- Maintain the national network
- Preserve Sea Grant Model
- Funding to State Programs:
  - Statutory limit: No state can receive more than 15%
    - Need-driven
    - Competitive
    - Merit-based
    - Stable funding to manage program
    - Institutionalizes regional research
    - Program Director retains discretion within program, helps set regional priorities
- Funding for National Programs:
  - National Strategic Investments: competitively available to programs
  - Fund a functional national office
- Phase in new policy
  - Not to exceed two 4-yr planning cycles (8yrs)



# Allocation Committee Report

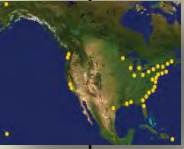
Recommended the following framework:

- State (75% Federal Funds)
  - Base to program (50% Federal Funds)
    - Administration/Extension/Education/Communication/ Research
    - Fair and equitable needs-based distribution of funds to state programs
  - Regional Competitive Research (15% Federal Funds)
    - Regionally funded NSIs; competitive among states
    - Total determined by need-based allocation by state
  - Merit Pool (10% Federal Funds)
    - Administration/Extension/Education/Communication/ Research
    - Competitive
    - Performance based
  - Total state budgets should strive for 40-60% research
- National (25% Federal Funds)
  - Competitive National Programs
    - Fellowships
    - National Strategic Investments
  - NSGO





# Allocation Implementation Committee 2012-2013



**Reps have now been identified:**

## **NSGAB**

- Bill Stubblefield
- Richard Vortmann
- Richard West



## **SGA**

- James Ammerman
- Linda Dugauy
- Karl Havens



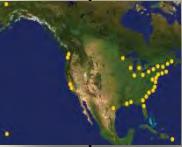
## **NSGO**

- Jonathan Eigen - Chair
- Dorn Carlson
- Mike Liffmann





# Allocation Implementation Update



Next Steps:

Meet at Sea Grant Week 2012

- Review Recommendations from Previous committees
- Identify process going forward

Have at least 2 conference calls over the winter

Present at NSGAB Spring meeting





# Alaska Sea Grant College Program Summary for National Sea Grant Advisory Board



September 16, 2012

# Welcome to Alaska





# Bigger than Texas (plus California and Montana)

Fairbanks—Dutch Harbor  
\$ 550-650; 6-8 hours  
Chicago-Albuquerque  
\$150; 3 hours

Fairbanks—Ketchikan  
\$ 300-450; 6-8 hours  
Chicago-Charleston  
\$170; 3-4 hours



**Half of the total U.S. coastline**

**New Hampshire**  
18 miles coastline  
~\$110,000 per mile  
\$1.60 per person

**Alaska**  
35,000 miles coastline  
~\$43 per mile  
\$2.00 per person



San Francisco

Charleston





Senate Differential Index (SDI) =  $10^{-5}$

New Hampshire  
0.111111 Senators  
per mile

Alaska  
0.000057 Senators  
per mile



# Alaska issues:

- A high proportion of resource-dependent residents and communities
- Enhanced vulnerability to environmental and economic change
- Diverse communities, issues and responsibilities
- Different issues in different regions
- Disproportionately meager resources
- Diverse array of managers, agencies, organizations





# Alaska Sea Grant potentially impacts at least 20% of Alaska jobs

Alaska's economy is like a three-legged stool.

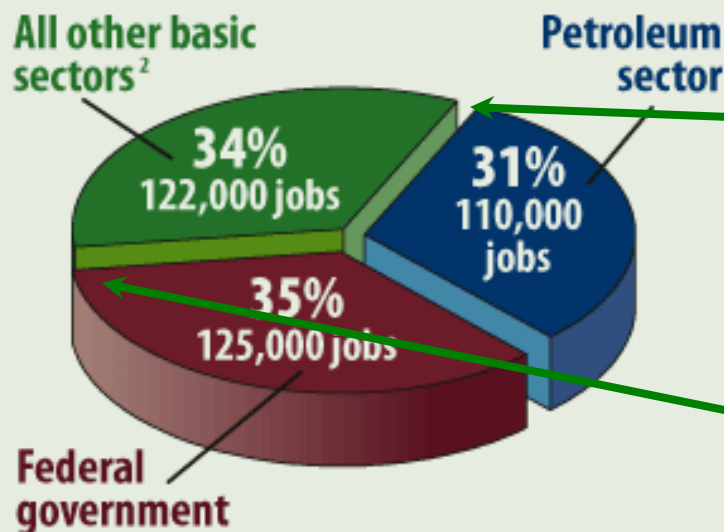
Alaska's businesses and households are only as strong as the economy that supports them. Like the three-legged stool shown here, it takes all three legs to support and sustain our economy. For 20 years now, Alaska's prosperous and growing economy has



<http://alaskaseconomy.org>  
(First National Bank of Alaska)

## What generates jobs for Alaska residents?<sup>1</sup>

(Annual Average Number of Jobs for Residents, 2004-2006: 357,000)



**Seafood 37,600 (10.5%)**  
**Mining 11,700**  
**Timber 5,900**  
**Tourism 40,000 (11.2%)**

<sup>1</sup>Excludes jobs held by non-residents. <sup>2</sup>Seafood, tourism, mining, timber, international air cargo, and personal assets from outside Alaska (primarily federal retirement benefits).

## Alaska needs:

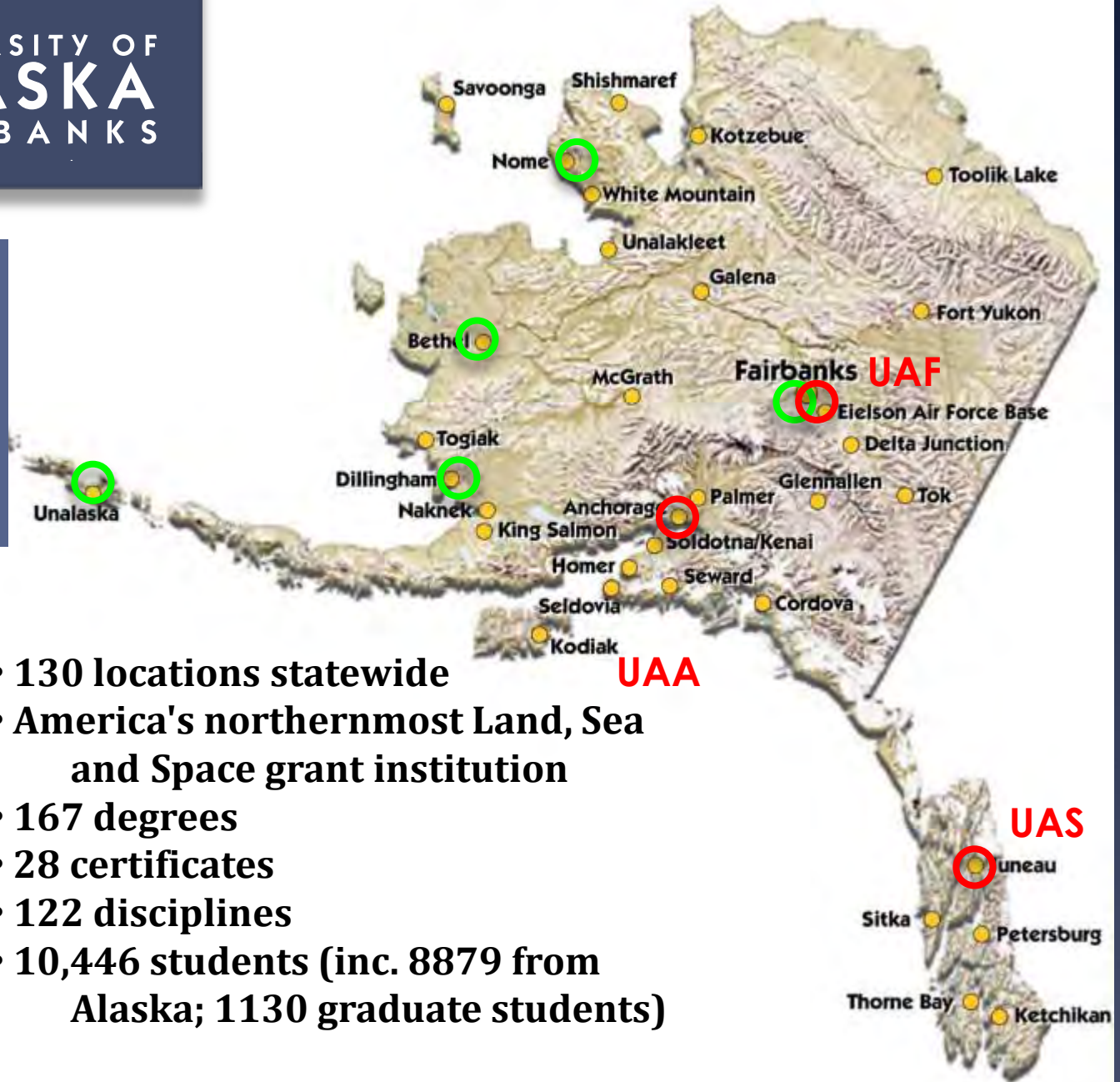
- Smart solutions
- Smart science -- remote observations
- Citizen participation -- community ownership of science and education programs

**We must (and do) leverage resources through coordination and collaboration**





- State Research Hub
- One of three state universities ○
- Five satellite campuses ○



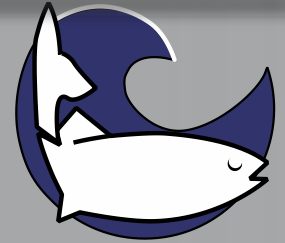
- 130 locations statewide
- America's northernmost Land, Sea and Space grant institution
- 167 degrees
- 28 certificates
- 122 disciplines
- 10,446 students (inc. 8879 from Alaska; 1130 graduate students)

## **UAF – A quick history:**

- 1906 Alaska Agricultural Experiment Station established
- 1917 Federal Land Grant
- 1922 Alaska Agricultural College and School of Mines established
- 1935 University of Alaska** created (college plus experiment station)
- 1957 First Ph.D.
- 1959 Statehood
- 1960 Institute of Marine Science established
- 1970 **First Sea Grant funding**
- 1975 UA statewide system established. UAF, UAA and UAS established as separate entities
- 1975? **Marine Advisory Program established**
- 1980 **Sea Grant College Program status awarded**
- 1987 **School of Fisheries and Ocean Sciences established**
- 1991 Space Grant

## Alaska Sea Grant & the University:

- Our home is in the University of Alaska Fairbanks, School of Fisheries and Ocean Sciences (SFOS)
- State support is ~\$2M/yr, ~ 20% SFOS state budget
- Marine Advisory Program agents and specialists are SFOS faculty



## Alaska Sea Grant:

- The face of UAF in many communities
- Responsive provider of information and capability to local communities
- Connects local needs and ideas to campus
- A source of initiative research funds
- A major provider of graduate student support

Anchorage

Seward

Juneau



# HEALTHY COASTAL ECOSYSTEMS





# HEALTHY COASTAL ECOSYSTEMS

*Goal: Sustained, well-managed, and healthy marine, coastal, and watershed ecosystems in Alaska*

Objectives:

- Understand human-induced and natural impacts—particularly from climate change—on Alaska’s marine and coastal ecosystems.
- Support healthy marine and coastal ecosystems in Alaska by providing decision makers with science-based information .....



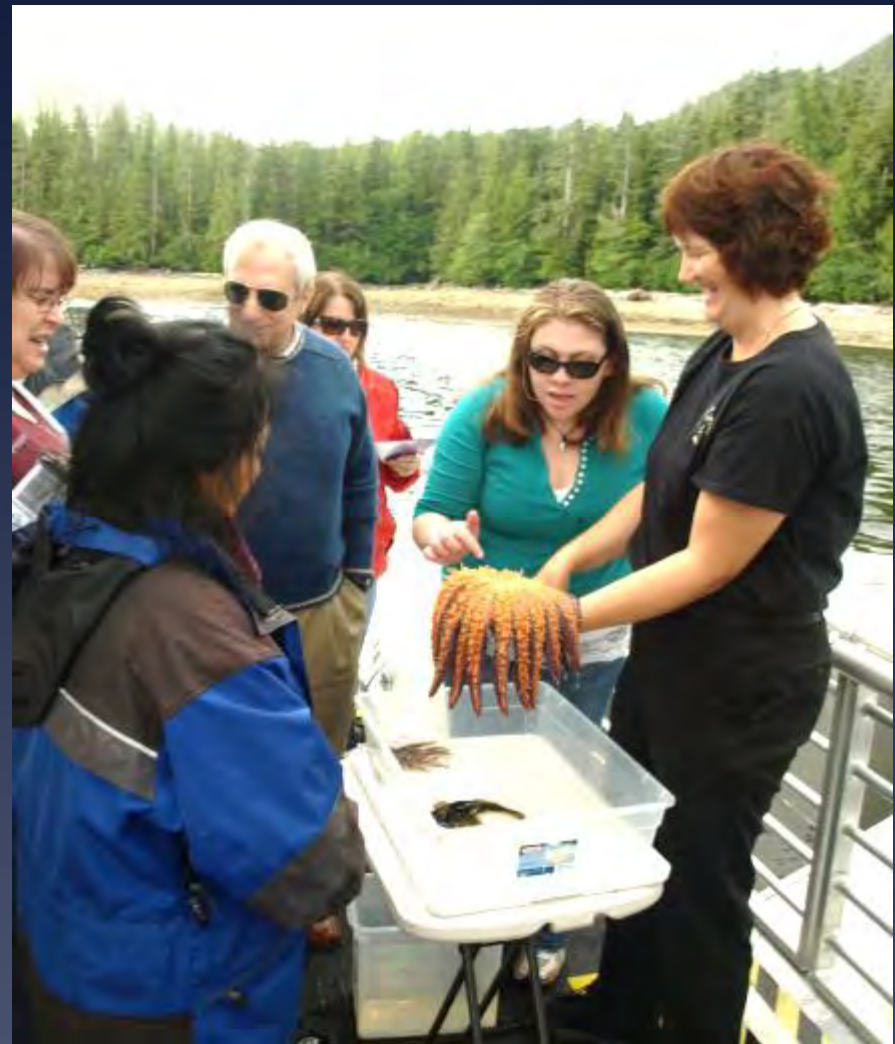


# Engaging “citizen scientists” in coastal ecosystem science

Engaging tourists and locals  
in monitoring for invasive  
European green crabs, non-  
native tunicates, and  
bryozoans



(These are endemic Pacific Red  
Rock Crab)



- Allen Marine partnership:
- Increased detection capacity X 20
- Five new jobs
- **2,000 participants in 2011**



# Understanding marine mammal ecology and interactions

## Gulf Apex Predator-Prey Project

Kodiak Seafood and Marine Science Center

University of Alaska Fairbanks School of Fisheries and Ocean Sciences • Kodiak, Alaska

Home

About GAP

Marine Mammals

Seabirds

Fish

Humans



### [Project Summaries](#)

### [Reports](#)

### [Publications and Presentations](#)

### [Researchers](#)

### [Metadata](#)

## Gulf Apex Predator-Prey Project

The goal of the Gulf Apex Predator-Prey Project (GAP) is to better understand predator-prey interactions in the western Gulf of Alaska as they relate to the decline of the western stock of Steller sea lions.

This website was created for laypeople and scientists alike. We invite you to explore the site to learn about a variety of GAP projects and how they have evolved since GAP began in 1999. Here you will find detailed information on the integrated components of GAP, including the suite of species and methodologies that have been used to explore the Kodiak marine ecosystem.

### News

#### Scat collection

12/30/11

GAP researchers conducted a quarterly scat collection at Cape Kodiak Island haulouts on December 23 and 29. They collected almost

#### Right whale sighting

12/30/11

Extremely rare [sighting of a right whale in Kodiak waters](#).

#### Whale tagged with acoustic/ultrasonic recorder

11/30/11

GAP researchers tagged a humpback whale with three-dimensional acoustic/ultrasonic recorders to assess behavioral reactions to acoustic deterrents.



# Understanding marine mammal ecology and interactions

MAP agents are trained as responders to stranded and entangled marine mammals





# Understanding marine mammal ecology and interactions

Monitoring Bowhead Whale diet and health



# Understanding marine mammal ecology and interactions

## Monitoring animal health in subsistence communities

### DISEASE OUTBREAK - SEALS

October 2011 Update

Over 100 sick or dead pinnipeds with diseased patches of skin have been discovered in the Arctic in recent months. The cause is unknown but is being studied. During July near Barrow, ringed seals were reported with blisters on flippers and face as well as hair loss. This condition is now being reported in the Bering Strait / Norton Sound region.



### PLEASE REPORT UNUSUAL SEALS!

If you find an unusual seal in the Bering Strait region, contact:

- Eskimo Walrus Commission: **1-877-277-4392** (Nome)
- Gay Sheffield: **1-800-478-2202** (UAF-Marine Advisory Program, Nome)
- NMFS **1-877-925-7773** (Marine Mammal Stranding Network – Juneau)

### PUBLIC HEALTH / SAFE HANDLING

It is generally recommended to not eat seals or walrus that look sick.

Until we know more, if you harvest or find a sick seal you should:

- Wear gloves
- Wash your hands
- Cook meat before eating it
- Wash your equipment. Rinse it with a bleach solution.

### SEAL UPDATE: June 2012

This spring, reports of over 40 bearded and ringed seals with either, or a combination of, hair loss, skin sores, and/or approachable have been received from the Bering Strait region. The cause is still unknown. To understand if seals are healing or still sick – we need your input. Coastal communities should remain vigilant.



### PLEASE REPORT UNUSUAL SEALS!

If you find an unusual seal in the Bering Strait region, contact:

- Eskimo Walrus Commission: **1-877-277-4392** (Nome)
- Gay Sheffield: **1-800-478-2202** or **443-2397** (UAF, Nome)
- NMFS (24 hr): **1-877-925-7773** (Marine Mammal Stranding Network)

### SAFE HANDLING

It is recommended that hunters rely on their customary and traditional methods regarding handling and/or salvage of unusual animals.

### HOW YOU CAN HELP

Take photos (close-up and whole body) using your cell phone or camera and call in what you saw!



**No new hair growth**



**Other**

**Loud breathing**  
**Short dives**  
**Poor health**  
**“Odd smell”**



**Skin lesions**



**Approachable**





# Emerging issue: resource conflicts with recovering mammal stocks

Recolonization by sea otters, *Enhydra lutris*, as a source of change in Southeast Alaska





# SAFE AND SUSTAINABLE SEAFOOD SUPPLY

  
**Sea Grant**  
Alaska



# SAFE AND SUSTAINABLE SEAFOOD SUPPLY

Goal: Safe, sustainable, and sought-after seafood products providing **stable economic returns to Alaska communities**

Goal: Commercial, sport, and subsistence fisheries **will remain** biologically and economically **healthy**, and remain a long-term economic force in coastal communities





# Improving fisheries management tools

## Low intensity, low cost management of salmon fisheries

### Parsimony in Integrated Age-Structured Assessment Models: Modeling of Time-dependent Parameters and Uncertainty in a Changing Environment

2007, Fig. 2). The Bristol Bay result is particularly interesting, as the decline to zero catches in 1994-95 was followed by recovery, and therefore did not meet our definition of collapse, and this decline was not signaled by a *false positive*, or increase in spatial variance. This result agrees with theoretical expectation that variance increases should

### Increased Variance As a Leading Indicator of Reorganization in Alaskan Marine Ecosystems: An Empirical Test

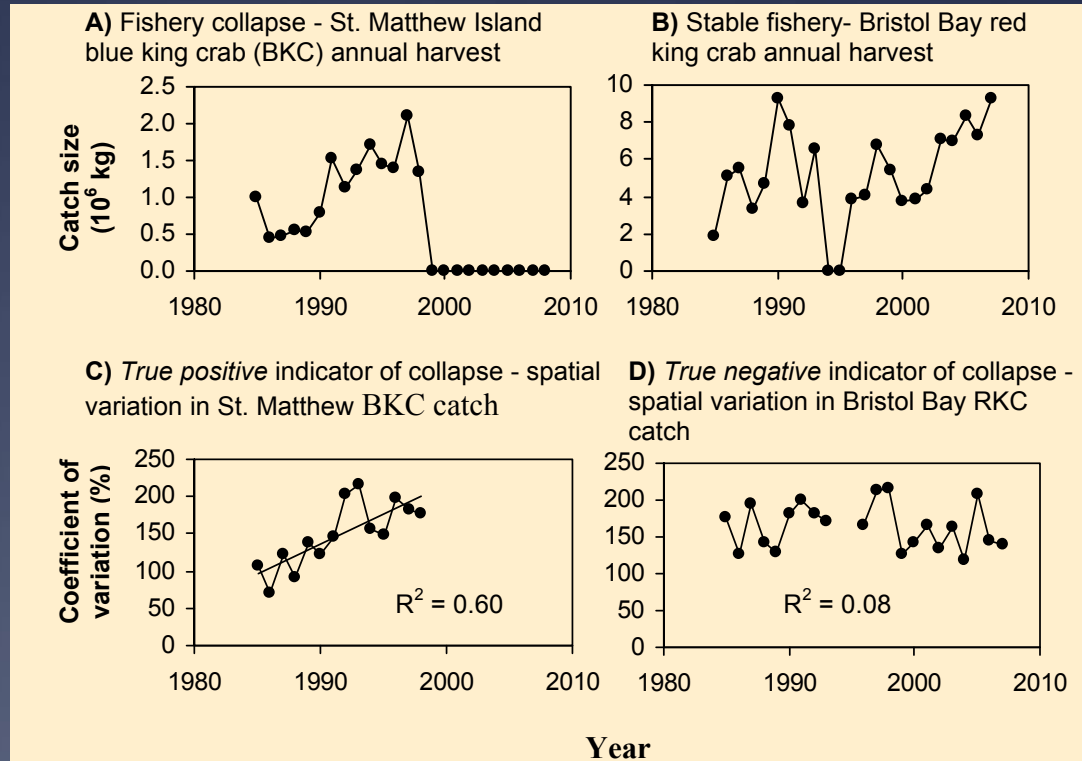
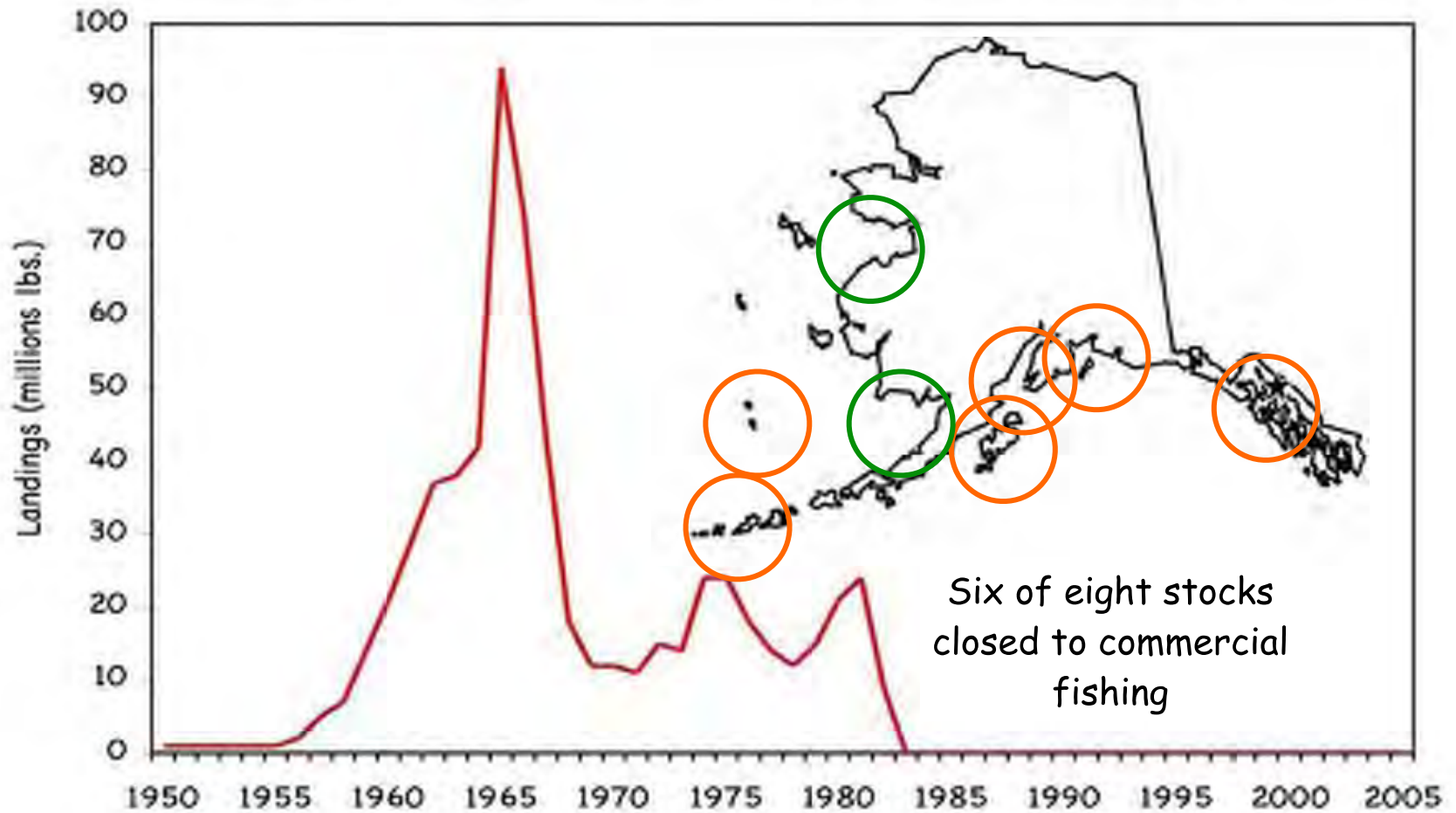


Fig. 2. Historical data on fishery collapses. Data from St. Matthew Island fishery and Bristol Bay fishery with different collapse definitions.

# Partnership Research: Alaska King Crab Research, Rehabilitation and Biology Program (AKCRRAB)

Kodiak Red King Crab Commercial Harvest 1950-2006



# Hatchery Science:

- Growth, Survival
- Diet:
  - Size, Color
- Cannibalism
  - Size, Density, Substrate





# Field Science

- Structure increases survival
- Prefer biogenic habitats
- Refuge-seeking behavior when predators are present
- Predator defense learned.



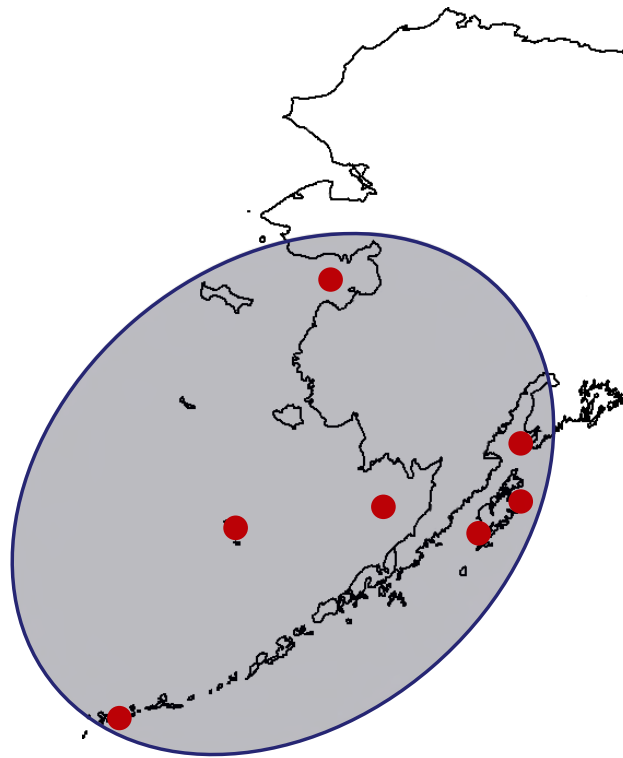
# Suggested RKC Stock Structure

More C

How

## Genetics:

- Geographically extensive stocks
- Monogamous females



Adak

Norton Sound

Bristol Bay

Pribilofs

Chiniak Bay

Kachemak Bay

Alitak Bay





# Understanding Pink Salmon Life Cycles



# Understanding Pink Salmon Life Cycles

- Genetic studies of pink salmon suggest that climate change may be driving its evolution
- Using digital imaging to measure abundance and biomass of zooplankton
- Strontium Isotope analysis of otoliths to identify natal streams



# Understanding Pink Salmon Life Cycles

## Larvacean and Pteropod abundances in the Gulf of Alaska/Prince William Sound



that salmon survival is closely of their early life stages in the arcy, 1990; Willette et al., been argued that the larger energy lipid reserve are the st fish, including juvenile (1999; Willette *et al.*, 2001). ical studies emphasize this e uphausiids that become more s (e.g. GLOBEC, 1996; Nonetheless, several studies e salmon species feed on various e enter the ocean; larval fish, pods and euphausiids (Brodeur *n et al.*, 1998). One of the from the Gulf of Alaska wo understudied groups, the

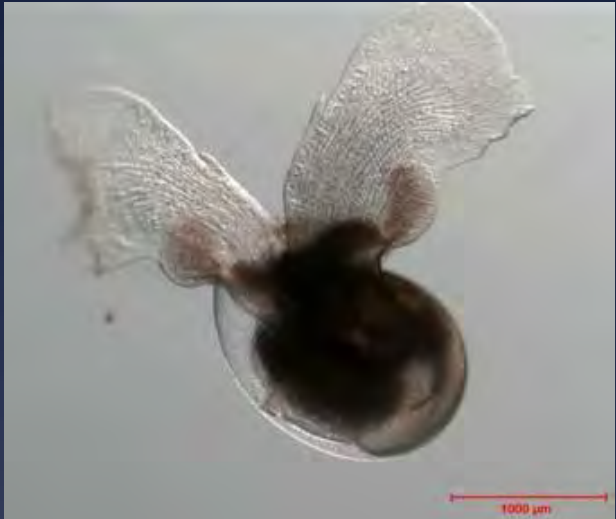


Fig.1. The thecosome pteropod *Limacina helicina* (upper) and the larvacean *Oikopleura labradorensis* (lower).

# Developing tests for paralytic shellfish poisoning, and increasing awareness

Training residents in Alaska communities to collect bivalve samples for PSP testing



Testing new field test kits



These developed Jellett PSP test strips are from the first shellfish samples ever tested for PSP in Sand Point, Alaska.



# Developing tests for paralytic shellfish poisoning, and increasing awareness

State of Alaska  
Epidemiology



# Bulletin

Department of Health and Social Services  
William H. Hogan, MSW, Commissioner

Division of Public Health  
Ward Hurlburt, MD, MPH, CMO/Director

Editors:  
Joe McLaughlin, MD, MPH

3601 C Street, Suite 540  
Anchorage, AK 99503

## Paralytic Shellfish Poisoning Strikes Three in Alaska

Paralytic

Background

Paralytic shellfish poisoning by [News Desk](#) | Apr 14, 2012



shellfish poisoning were reported in Alaska this week, according to the Social Services.

harvested in the

), was a man who complaining of in his lips and hands. The man from Admiralty within a few



shellfish or crab viscera should seek prompt medical care. Health care providers should immediately contact SOE regarding all suspected cases of PSP. Call (907) 269-8000

# Maximizing safety and economic returns for Alaska seafood businesses

Freeze-drying process that turns pink salmon into a tasty product

Purification process to produce red salmon oil

Safe and Legal Fish Waste Composting in Alaska

HACCP Training

Helping businesses develop and market food products





# Sharing knowledge through international Wakefield Fisheries symposia

- \* **28<sup>th</sup> 2013:** Responses of Arctic Marine Ecosystems to Climate Change
- \* **27<sup>th</sup> 2011:** Fishing People of the North: Cultures, Economies, and Management Responding to Change 154 registered from 7 states, 6 nations.
- \* **26<sup>th</sup> 2010:** Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management 108 registrants from 7 states, 19 nations.
- \* **25<sup>th</sup> 2009:** Biology and Management of Exploited Crab Populations Under Climate Change. 84 registrants from 7 states, 6 nations.





# SUSTAINABLE COASTAL DEVELOPMENT

# SUSTAINABLE COASTAL DEVELOPMENT



**Goal: Diverse and sustainable coastal communities, where residents have the knowledge and skills they need to adapt to natural and man-made changes in resource use and availability**



## Objectives:

- Diverse and **sustainable local economic activity** through technical assistance and training.
- **Build capacity** of residents to identify and take advantage of economic opportunities





# Supporting growth of Alaska shellfish farming



Kachemak Bay Oyster Growers >>>  
Cooperative



<< OceansAlaska Marine Science  
and Mariculture Center, Ketchikan

# Supporting growth of Alaska shellfish farming



Flip-flop



Wire cage



Floating bag



Growout bag culture produces bigger oysters faster, cheaper





# Supporting growth of Alaska shellfish farming

Broodstock Improvement

Geoduck culture and permitting

PSP awareness and monitoring

*Alaska Shellfish Growers Logbook*

*Alaska Oyster Growers Manual*



# Maximizing economic returns and safety for Alaska seafood businesses

## Alaska Seafood Processing Leadership Institute



Energy audits at four large seafood plants,

## Refrigeration Workshops





# Supporting small businesses in Alaska coastal communities

Training and business planning to commercial shrimp fishermen from six Alaska communities and South Carolina

Trade Adjustment  
Assistance to  
Shrimp fishermen



# Maximizing safety and economic returns for Alaska seafood businesses

15,800 copies of 45 publication and video titles distributed

## Fishing Business



[Fuel-Saving Measures for Fishing Industry Vessels](#)



[Saving Fuel on Your Recreational or Charter Boat](#)



[Basic Startup Guide for the Direct Market Fisherman](#)



[Calculating Profitability for a Direct Marketing Operation](#)



[Does Diesel Have a Future in the Fishing Industry?](#)



[Proceedings of the 2010 Kodiak ComFish Panel on Catch Share Programs in Alaska](#)



[Tips for Direct Marketers: Working with a Broker or Trader](#)



[Tips for Managing Yearly Fishing Income](#)



[Tracking Your Money: A Quick Guide for Alaska's Skiff Fisherman and Catcher-Seller](#)



[Save Money on Boat Fuel](#)



[The Business of Fishing: Managing Finances](#)



[The Fish Entrepreneur, Vol. 2, Fall 2008](#)



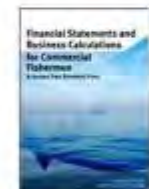
[Tips to Reduce Fuel Costs for Your Boat](#)



[Trashing Your Livelihood: Marine Debris and Commercial Fishing](#)



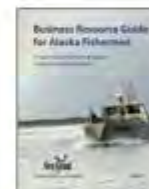
[Developing Cooperatives for the Alaska Seafood Industry](#)



[Financial Statements and Business Calculations for Commercial Fishermen & Alaska Fish...](#)



[The Fish Entrepreneur, Vol. 1, Fall 2007](#)



[Business Resource Guide for Alaska Fishermen](#)

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# Training and supporting a new generation of fishermen

## Alaska Young Fishermen's Summits

In 2012, seven out of 50 participants testified before the Legislature's Special Fisheries Subcommittee



**etc.....**

**Improving fishing vessel energy efficiency**

**Educating residents to improve economic capacity**

**Supporting economic development**

**Encouraging young Alaskans in marine and fisheries careers to improve economic capacity**

**Alaska Sea Grant plays leadership role in UA coastal workforce development plan**

**Clean harbor certification**

***Boating trails may spur new industry segment***





# HAZARD RESILIENCE IN COASTAL COMMUNITIES

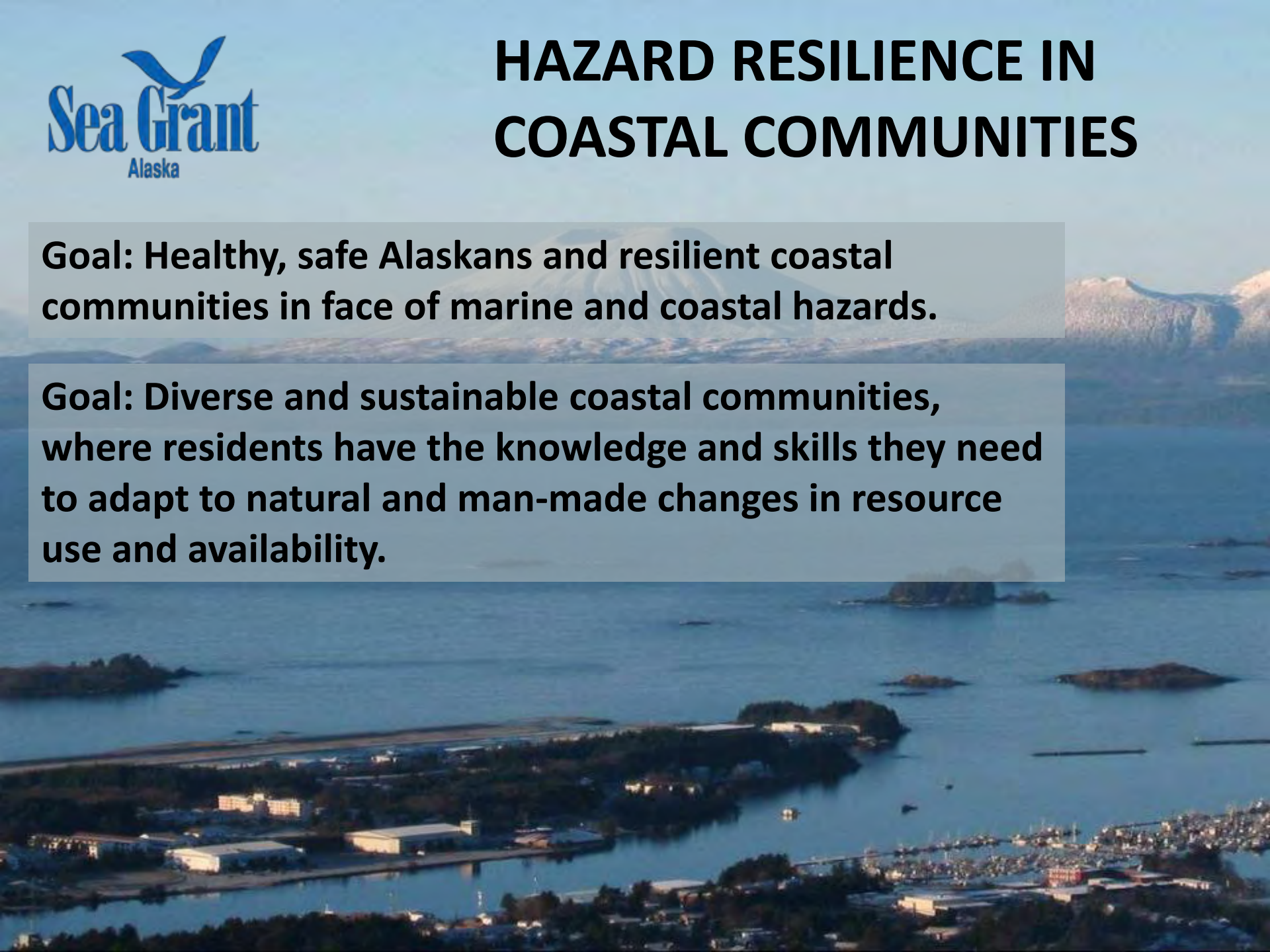




# HAZARD RESILIENCE IN COASTAL COMMUNITIES

**Goal: Healthy, safe Alaskans and resilient coastal communities in face of marine and coastal hazards.**

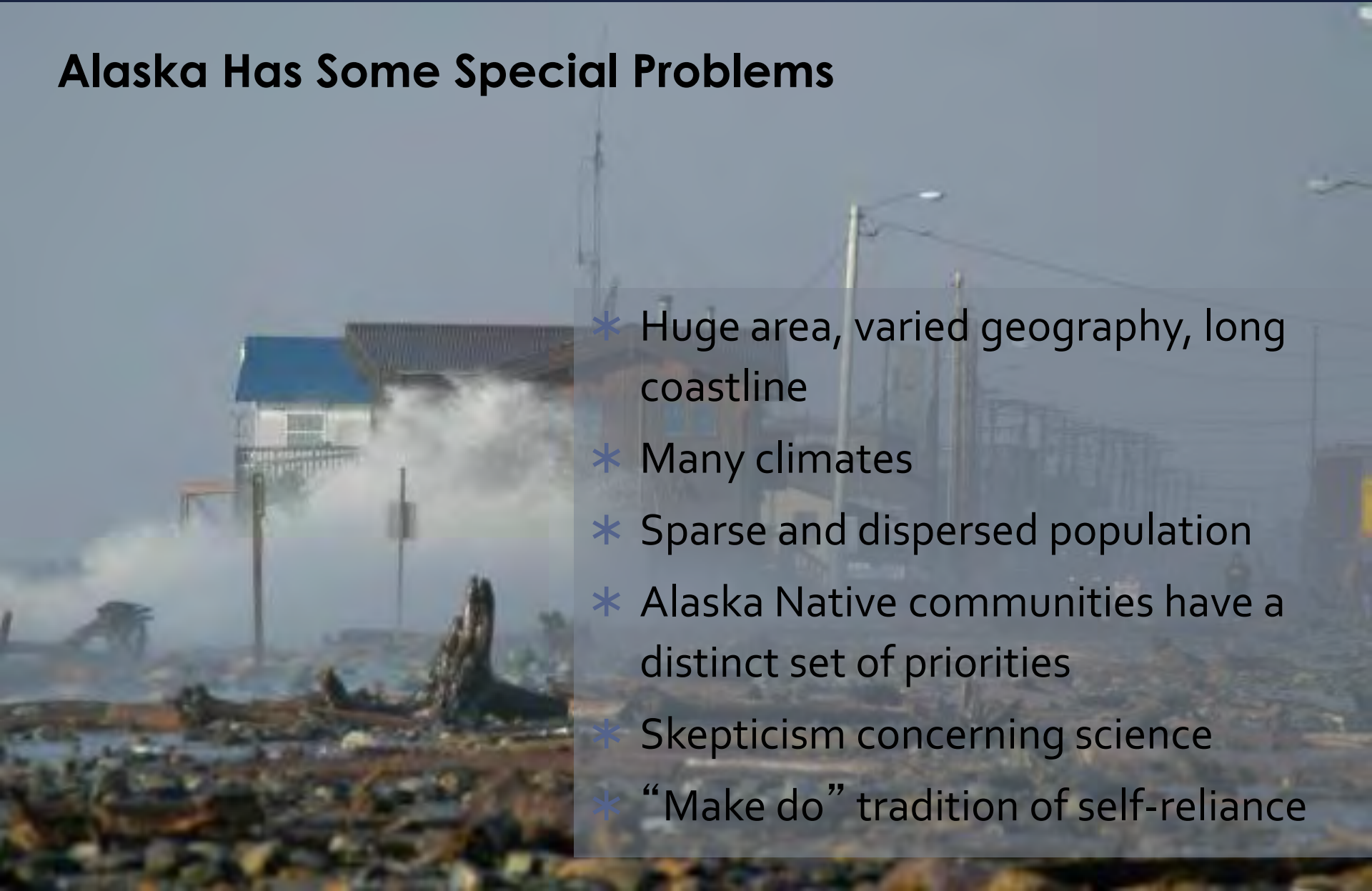
**Goal: Diverse and sustainable coastal communities, where residents have the knowledge and skills they need to adapt to natural and man-made changes in resource use and availability.**





# Helping coastal communities plan for climate change

## Alaska Has Some Special Problems

- 
- \* Huge area, varied geography, long coastline
  - \* Many climates
  - \* Sparse and dispersed population
  - \* Alaska Native communities have a distinct set of priorities
  - \* Skepticism concerning science
  - \* “Make do” tradition of self-reliance

# Alaska Community Climate Change Adaptation Toolkit

- \* Alaska-specific climate change adaptation manual, for session leaders. (Easily adapted to other states)
- \* Adaptation Planning Tool
- \* “One-pager” fact sheets
- \* Video in preparation
- \* Website: [www.marineadvisory.org/climate](http://www.marineadvisory.org/climate)





# Sources of Greatest Concern in Alaska

- \* Inundation on the Bering Sea, Arctic coasts
- \* Flooding on some rivers
- \* Loss of permafrost
- \* Community water supplies
- \* Steep slopes, bluff erosion
- \* Wild fires
- \* Range and behavioral modifications of subsistence and commercial fish & wildlife resources



# Climate Change Adaptation Project for Shaktoolik, Alaska

- Community-driven project
- Build on prior efforts
- Multi-party approach
- Decision whether to relocate or stay at current location
- Well-defined process that may be replicated by other at-risk communities
- Shaktoolik and its partners will develop a final adaptation plan
- Enable participation in state allocation process



# Rapidly Increasing Maritime Traffic



## 2011 / 2012 Northern Sea Route into Bering Strait

- Russia shifting from experimental to commercial traffic
- First super tanker: Speed record: 8 days / 120,000 tons natural gas
- First Ice-Class oil tanker: Murmansk - China
- Frozen Russian salmon shipped north to European markets
- Nuclear icebreaker support



# Supporting a marine safety culture in Alaska

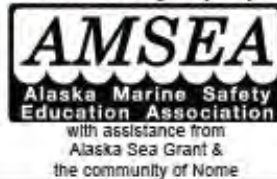
## **FREE** **Cold-Water Safety & Survival Skills Workshop for GOLD Divers & Dredgers**



**June 1 & 2 • 8 am - 5 pm**  
**Nome UAF NW Campus**  
**Conference Room & Nome Pool**

- Personal flotation options, use & maintenance
- Summoning help in an emergency
- Vessel stability & flooding control
- Onboard firefighting
- Dive hazards
- Dive emergencies & treatment
- And much, much more

*This event brought to you by*



*Pre-registration required*

Register online at [www.amsea.org](http://www.amsea.org) or call 907-747-3287





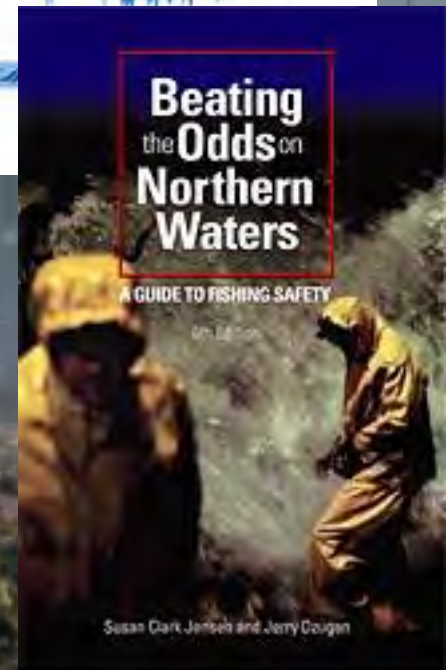
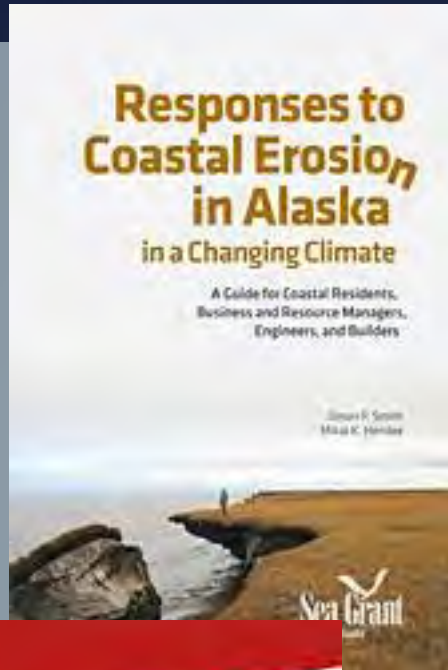
# Supporting a marine safety culture in Alaska

## AMSEA safety drill conductor workshops



Boating without the Boys

# Supporting a marine safety culture in Alaska





# MARINE LITERACY & STEWARDSHIP



# Barb Morgan Describes Characteristics of a Helmet crab participants of one of the tou





# Marine Literacy and Stewardship

*Encouraging Alaska Natives and rural Alaskans toward careers in marine science and fisheries*

*Helping rural and indigenous residents take part in environmental decision-making*

*Online publication distribution and ordering*

*29 new and updated publications in 2011*

*Tide books carry information to coastal residents and visitors*

*Home school educators supported with ASG materials*

*Alaska Seas and Rivers Curriculum reaches teachers and students across the state*

*Recording Alaska Native elders' observations and knowledge*

*NOSB—encouraging marine science among Alaska's youth*

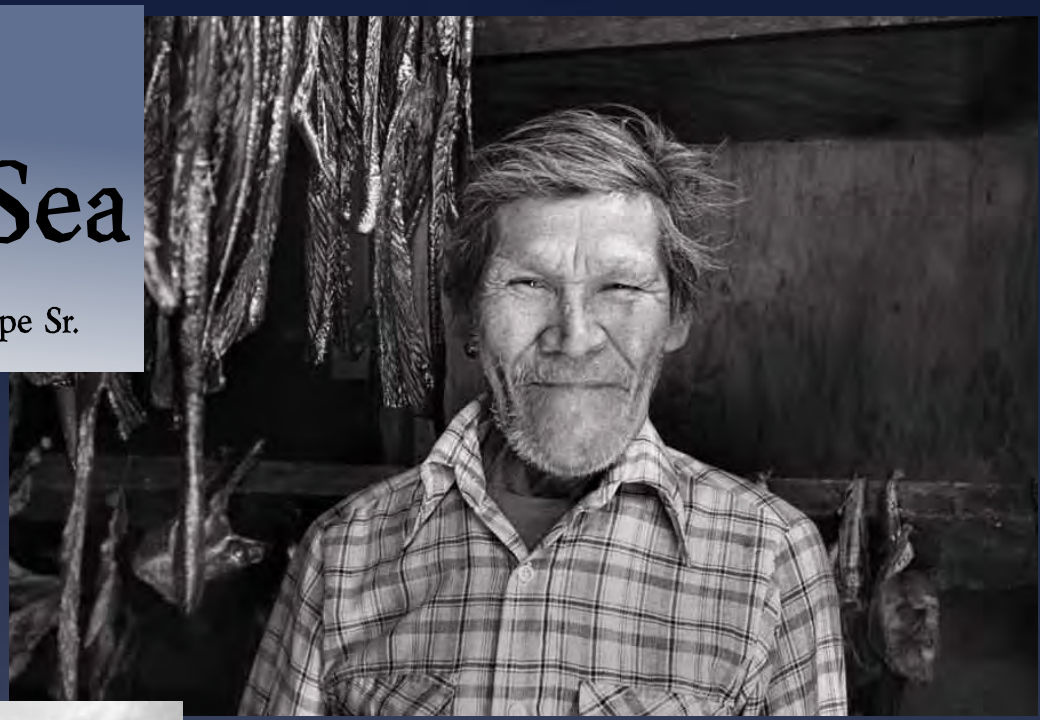
# Publications for Outreach



Publishing partnerships leverage funding to foster marine literacy and support fisheries management, business, and conservation.

# *Imam Cimiucia* Our Changing Sea

Anne Salomon • Henry Huntington • Nick Tanape Sr.



Storman Norman hauls his net in front of Passage Island, Port Graham Bay, Lower Cook Inlet, Alaska. Summer 2005.



# Imam Cimiucia Our Changing Sea

Anne Salomon • Henry Huntington • Nick Tanape Sr.





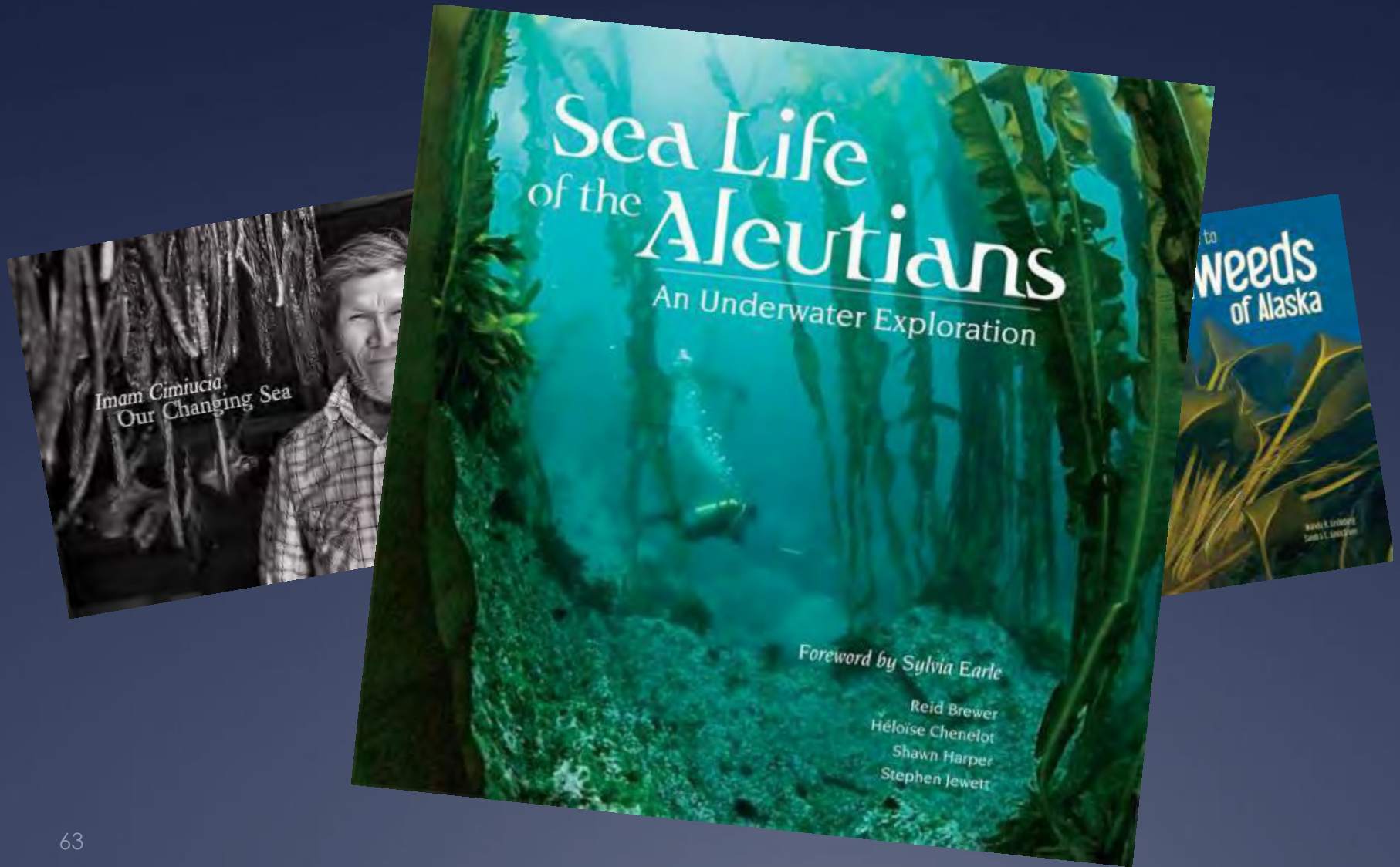
# COMBINING IÑUPIAQ AND SCIENTIFIC KNOWLEDGE

Ecology in Northern Kotzebue Sound, Alaska



by Alex Whiting, David Griffith, Stephen Jewett,  
Lisa Clough, Will Ambrose, and Jeffrey Johnson

# Recent Partnership Publications







# Sharing knowledge through international Wakefield Fisheries symposia

- \* **28<sup>th</sup> 2013:** Responses of Arctic Marine Ecosystems to Climate Change
- \* **27<sup>th</sup> 2011:** Fishing People of the North: Cultures, Economies, and Management Responding to Change 154 registered from 7 states, 6 nations.
- \* **26<sup>th</sup> 2010:** Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management 108 registrants from 7 states, 19 nations.
- \* **25<sup>th</sup> 2009:** Biology and Management of Exploited Crab Populations Under Climate Change. 84 registrants from 7 states, 6 nations.





[MORE](#)

[NEWS](#)

[EDUCATORS AND STUDENTS](#)

[SCIENTISTS](#)

[TRADITIONAL KNOWLEDGE](#)

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[MORE](#)

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**Climate Change**

**CENTER FOR OCEAN SCIENCES EDUCATION EXCELLENCE**

COSEE Alaska Office: 1007 West Third Avenue • Suite 100 • Anchorage, AK 99501 • voicemail: (907) 274-8612 • facsimile: (907) 277-5242 • email: [Nora.Edgins@noaa.gov](mailto:Nora.Edgins@noaa.gov) Program Director or



^^^  
Middle School  
Kodiak

Grade School >  
Dutch Harbor



^^^  
Poetry,  
Anchorage



# Response....daily

MAP faculty answered inquiries on

- \* commercial seaweed harvest
- \* bearded seal liver flukes,
- \* net mending materials,
- \* walrus hunting,
- \* bear safety training,
- \* dredge mining off Nome,
- \* Fukushima radiation,
- \* how to become a seafood  
“known shipper,”
- \* salmon canning methods.
- \* estate planning for retiring  
fishermen
- \* testing residential water supplies
- \* PSP in gumboots and urchins,
- \* NOAA national ocean policy,
- \* Live holding crab.....



# Response....daily

MAP faculty answered inquiries on

- \* jig fishing for sablefish,
- \* selecting a recreational boat and motor,
- \* buying a sailboat,
- \* buying a shellfish farm,
- \* direct marketing troll-caught salmon,
- \* the TAA shrimp program,
- \* octopus fishing,
- \* skiff safety for a new boater,
- \* otter harvest laws,
- \* jigging for cod in SE Alaska
- \* identifying intertidal worms
- \* PSP and clams,,
- \* charter fishing regulations,
- \* loans for fishing vessels,
- \*

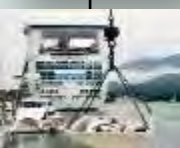




Questions?

**Sea Grant**  
Alaska





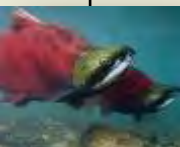
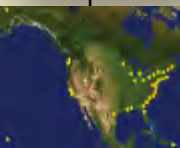
# HAZARD RESILIENT COASTAL COMMUNITIES

FOCUS AREA REPORT



# Sea Grant / Land Grant Climate Extension Summit

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- March 13-14, 2012 in Silver Spring, MD
- Panelists: 14 subject-matter specialists and 2 grad students
- Delegates representing extension leadership
- Discuss current and future state of climate extension services, personnel
- White paper in progress







# Special Projects – Conferences & Workshops

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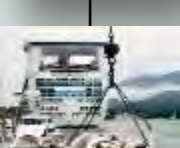
- National Sea Grant Climate Network (SGCN) Climate Adaptation Conference

National Sea Grant Climate Network Conference  
March 12 - 14, 2013  
Annenberg Community Beach House, Santa Monica, CA

A collage of three images. The left image shows a view of the Annenberg Community Beach House, a large building with a swimming pool and lounge area. The middle image shows a large cargo ship with multiple cranes. The right image shows a large crowd of people on a beach.



# Rip Current Smartphone App Conversation with NWS



- July 26, 2012
- Nicole Kurkowski, NWS, HRCC Focus Team Member
- Dr. Jon Miller, NJ Sea Grant
- National Weather Service's Meteorological Development Lab

SEA GRANT BROWN BAG LECTURE SERIES

## RipCur: Smartphone App for Rip Current Reporting

Sea Grant **Thursday, July 26**  
12:00 noon – 1:00 pm



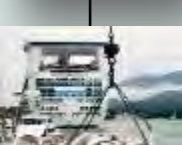
**Jon Miller**  
Coastal Processes Specialist  
NEW JERSEY SEA GRANT  
COLLEGE PROGRAM

The RipCur smartphone app, developed by a group of students at Stevens Institute of Technology, provides a way for lifeguards to communicate with one another in real-time and to relay that information to interested parties including the NWS, and the US Coast Guard. Authorized lifeguards simply identify a rip and input a few details and the app does the rest. Once input, the rip becomes a part of a fully searchable active dataset. This allows lifeguard administrators and researchers the ability to identify the rips occurring at specific times or during specific conditions. The pilot version is currently being used by about a dozen beach patrols in New Jersey; however interest in the app has come from as far away as Israel and Australia.

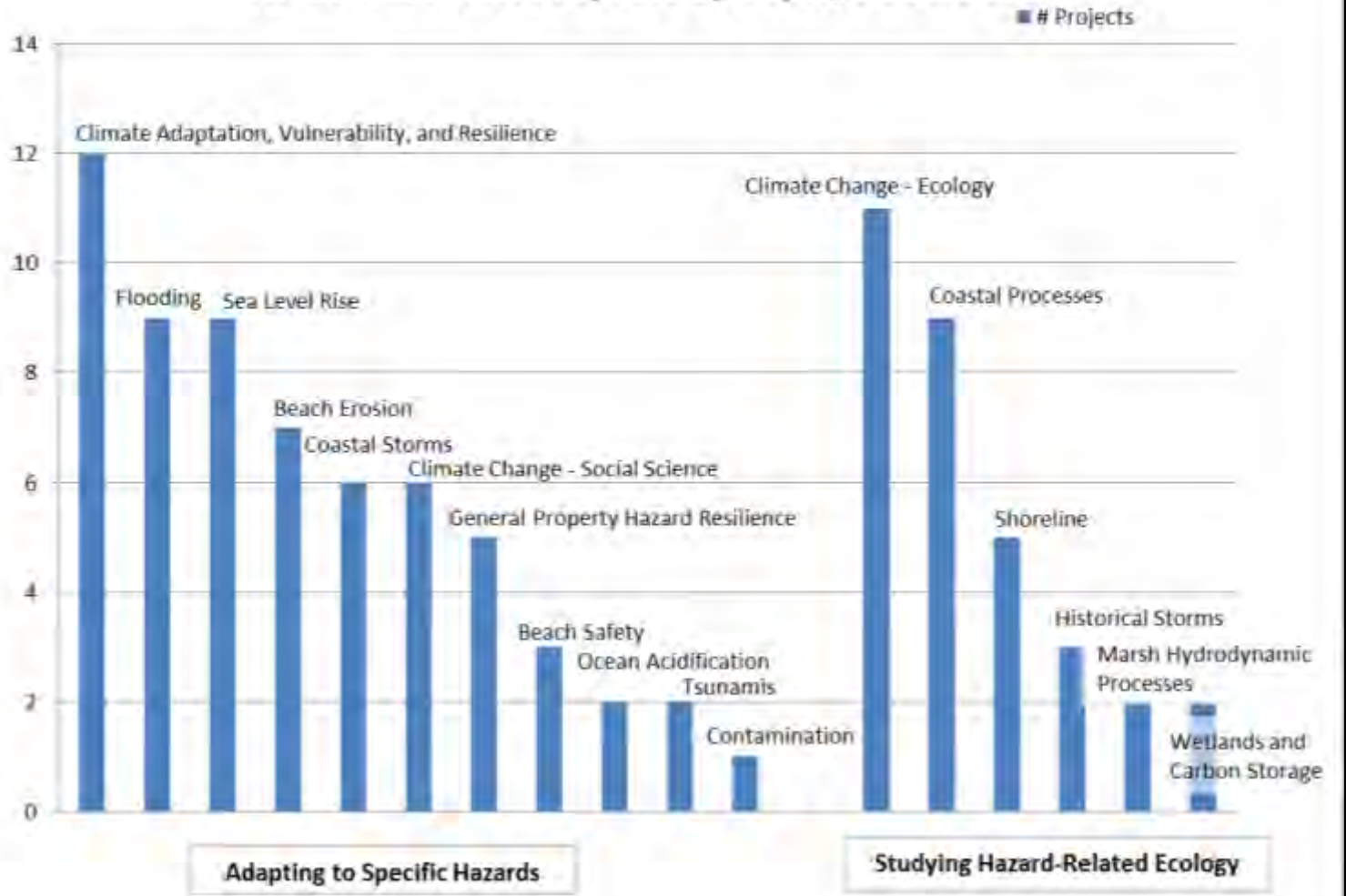
Remote access available at [www.jh.noaa.gov](http://www.jh.noaa.gov)  
Contact Emily Sisker ([emily.sisker@noaa.gov](mailto:emily.sisker@noaa.gov)) for further information.



# Review of Research Topics

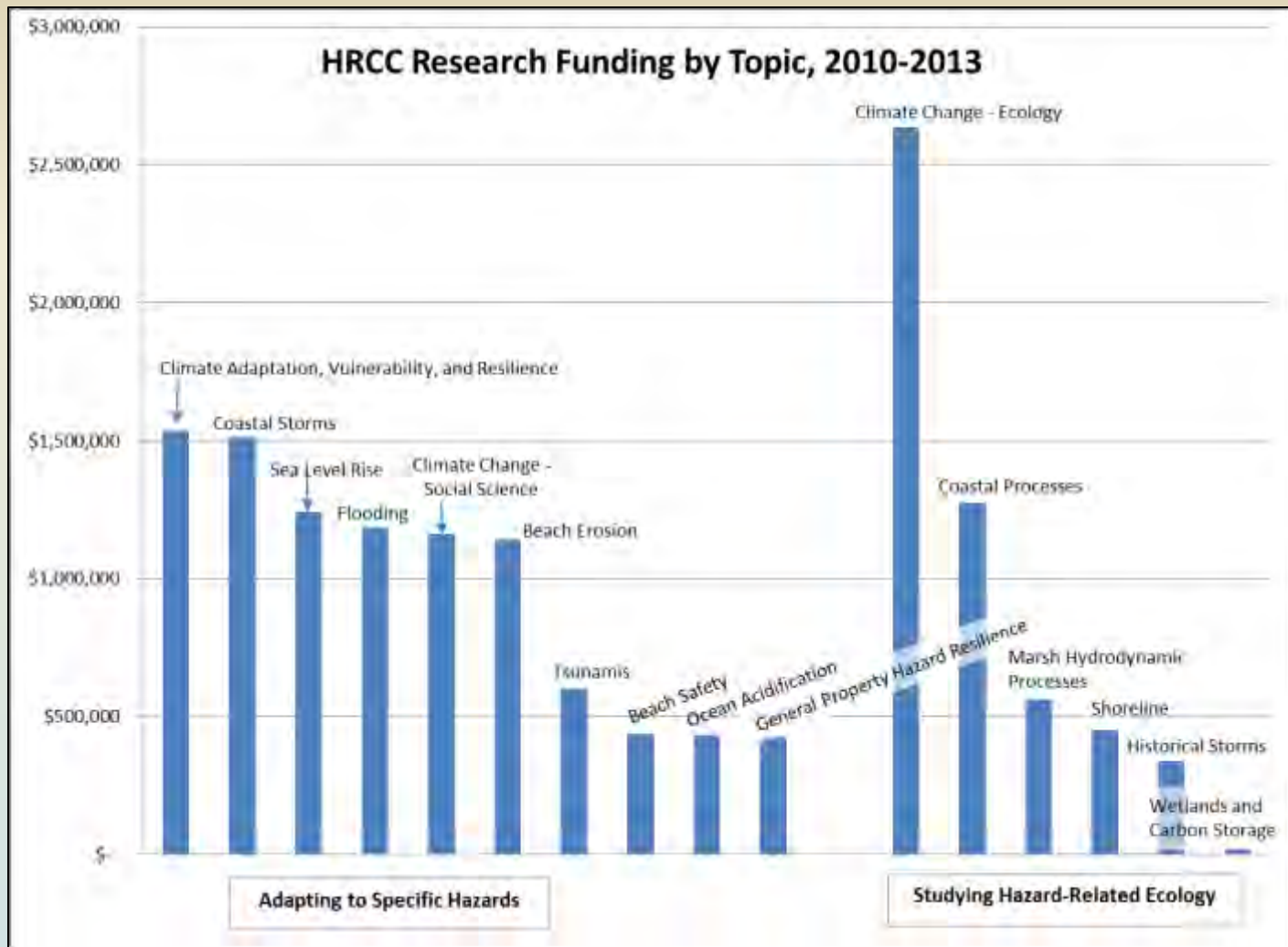
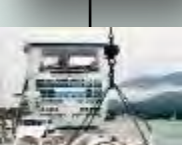
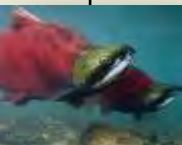


HRCC Research Projects by Topic, 2010-2013





# Review of Research Topics



**\$ = Total Sea Grant Fed + Match over four years;**  
 does NOT include leverage, pass-thru, or all program development money





# Review of Research Topics



<b><i>Adapting to Specific Hazards</i></b>	<b># Projects</b>
Climate Adaptation, Vulnerability and Resilience	12
Flooding	9
Sea Level Rise	9
Beach Erosion	7
Coastal Storms	6
Climate Change – Social Science	6
General Property Hazard Resilience	5
Beach Safety	3
Ocean Acidification	2
Tsunamis	2
Contamination	1

<b><i>Studying Hazard-Related Ecology</i></b>	<b># Projects</b>
Climate Change - Ecology	11
Coastal Processes	9
Shoreline	5
Historical Storms	3
Marsh Hydrodynamic Processes	2
Wetlands and Carbon Storage	2



# Review of Research Topics



<i>Adapting to Specific Hazards</i>	<i>Funding</i>
Climate Adaptation, Vulnerability and Resilience	\$ 1,536,645
Coastal Storms	\$ 1,511,150
Sea Level Rise	\$ 1,241,522
Flooding	\$ 1,186,444
Climate Change - Social Science	\$ 1,161,947
Beach Erosion	\$ 1,139,134
Tsunamis	\$ 600,235
Beach Safety	\$ 437,621
Ocean Acidification	\$ 431,976
General Property Hazard Resilience	\$ 425,492

<i>Studying Hazard-Related Ecology</i>	<i>Funding</i>
Climate Change - Ecology	\$ 2,635,863
Coastal Processes	\$ 1,274,164
Marsh Hydrodynamic Processes	\$ 561,497
Shoreline	\$ 448,709
Coastal Storms	\$ 336,850
Wetlands and Carbon Storage	\$ 21,609



# SUSTAINABLE COASTAL DEVELOPMENT

FOCUS AREA REPORT

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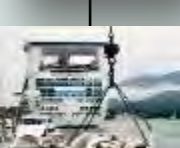
Sea Grant





# Coastal and Waterfront Smart Growth and Hazard Mitigation Roundtable Report

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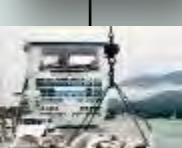


- August 2011: Roundtable Meeting  
NOAA, EPA, Hawaii SG, Rhode Island SG, Texas SG
- **September 2012:**  
**Roundtable Report Release**  
*Achieving Hazard-Resilient Coastal and Waterfront Smart Growth*
- [www.coastalsmartgrowth.noaa.gov](http://www.coastalsmartgrowth.noaa.gov)





# Special Projects Funding Portal – Conferences & Workshops

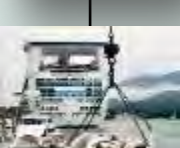


- Conference Support for Expanding **NEMO University**
- **Working Waterways and Waterfronts Symposium**
- Sea Grant **WeTable Participatory Planning Users Conference**







# Land Grant/ Sea Grant National Water Conference



Sea Grant Impacts Water Quality in  
Local Communities through  
Sustainable Coastal Development



Sea Grant  Emily Susko \* Brian Miller  
Amy Scaroni \* Lauren Land \* Mike Liffmann

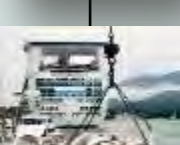
- Portland, OR
- May 21-24, 2012

- Local Planning Facilitation
- Local Planning Guides
- Regional Water Supply Planning
- Stormwater Management
  - *Demonstration Projects*
  - *Outreach and Education*
  - *Research*
- Innovative Seawall Design
- Clean Marinas and Boating





# Sustainable Coastal Community Development (SCCD) Network Bulletin



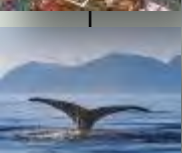
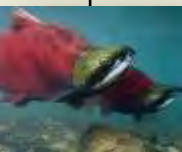
- Inspired by 2005-2006 CCD Bulletins
- Responding to interest expressed at Water Conference
- **Issue 1:**  
*Maritime Heritage Tourism*
- **Issue 2:**  
*Watershed Education (forthcoming)*



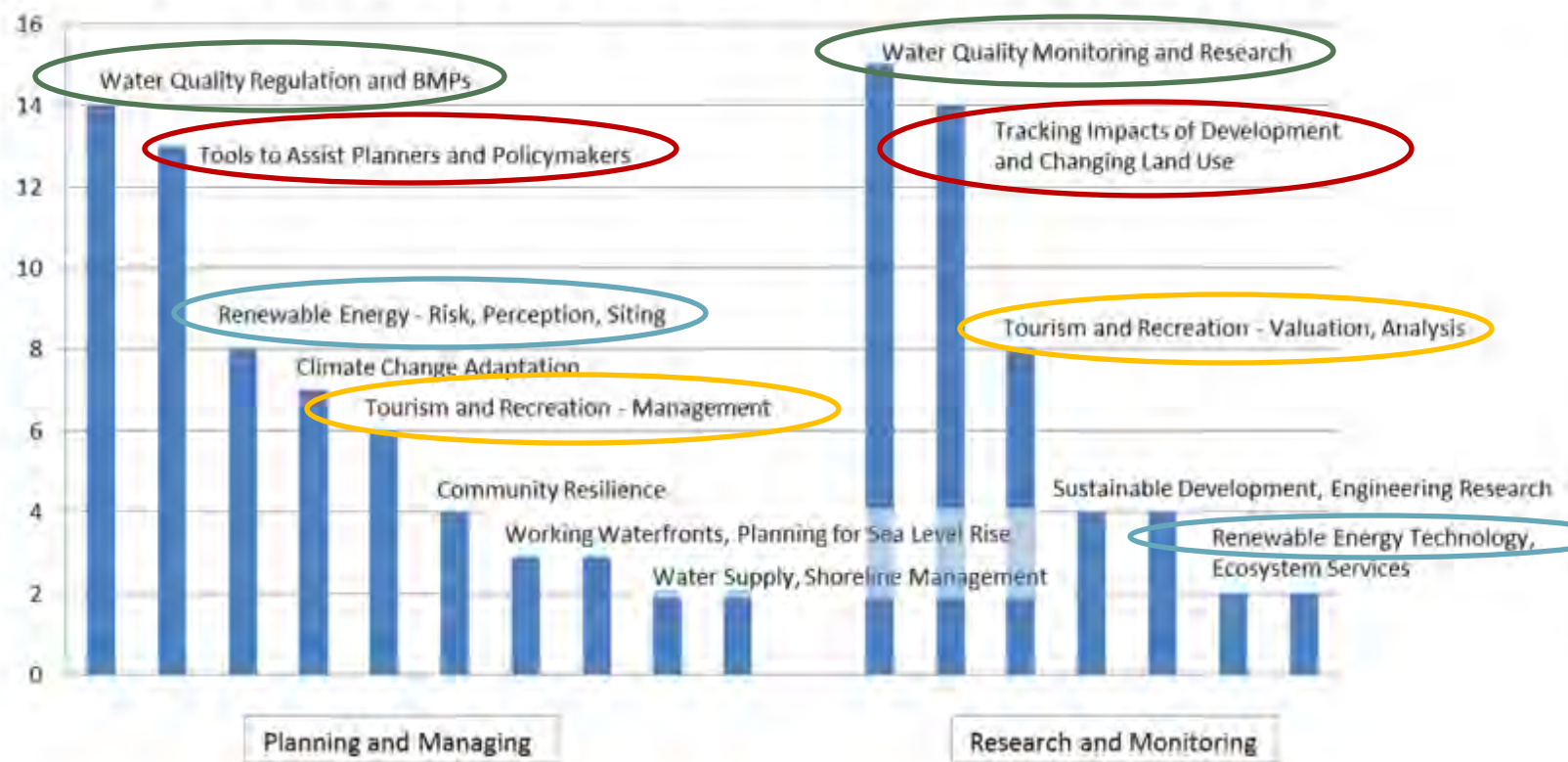


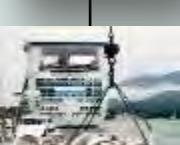
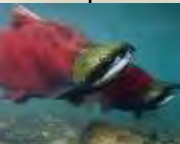


# Review of Research Topics

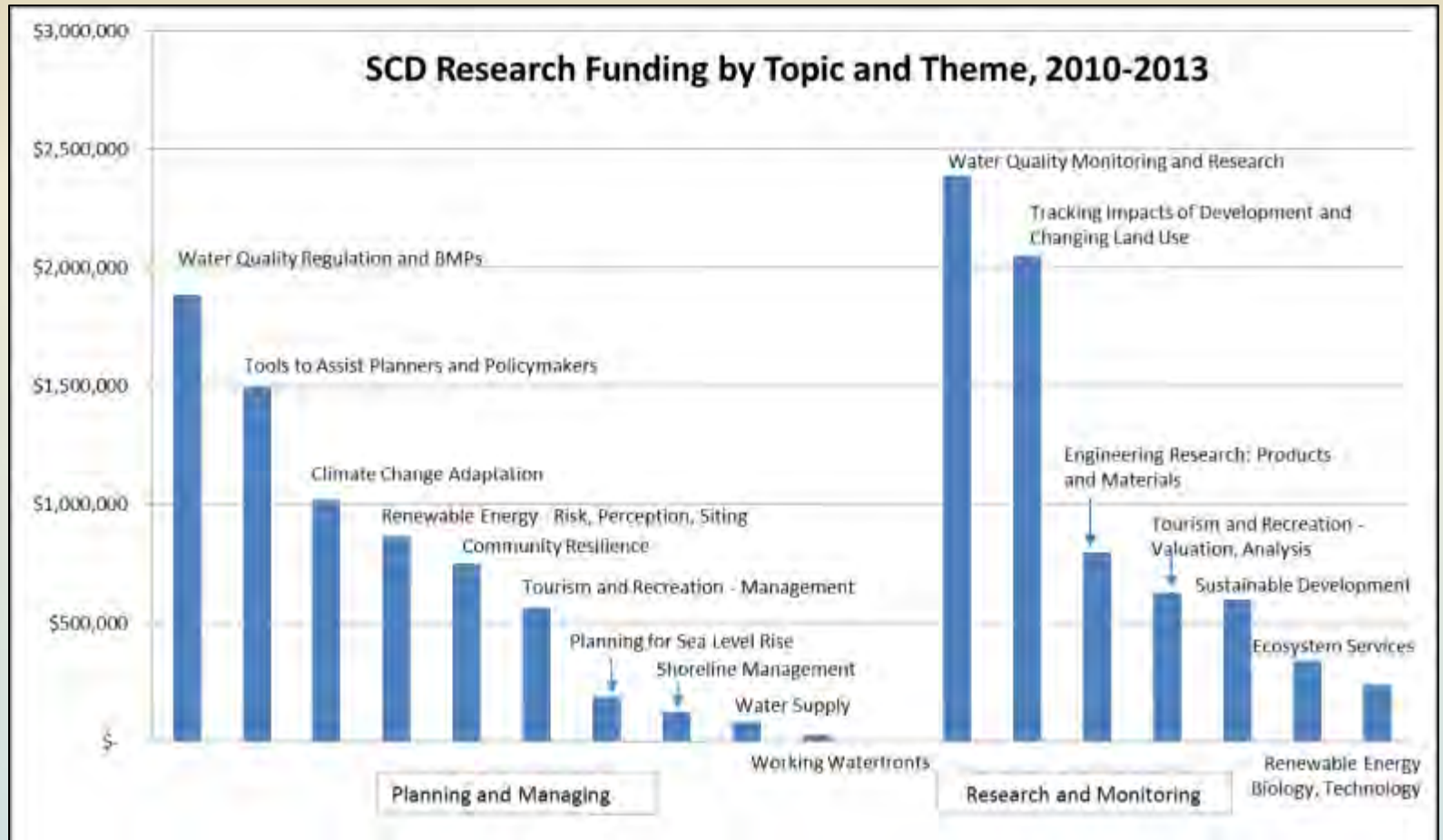


**SCD Research Projects by Topic and Theme, 2010-2013** # Projects

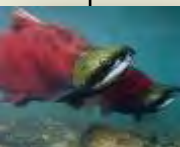
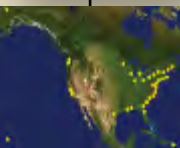




# Review of Research Topics



⌘ = Total Sea Grant Fed + Match over four years; does NOT include leverage, pass-thru, or all program development money



# Review of Research Topics

<b><i>Planning and Managing</i></b>	<b># Projects</b>
Water Quality Regulation and BMPs	14
Tools to Assist Planners and Policymakers	13
Renewable Energy – Risk Assessment, Siting	8
Climate Change Effects and Adaptation	7
Tourism and Recreation – Mgmt and Development	6
Community Resilience	4
Working Waterfronts	3
Planning for Sea Level Rise	3
Water Supply	2
Shoreline Management	2

<b><i>Research and Monitoring</i></b>	<b># Projects</b>
Water Quality Monitoring and Research	15
Tracking Impacts of Development and Changing Land Use	14
Tourism and Recreation – Valuation and Analysis	8
Sustainable Development	4
Engineering Research: Products and Materials	4
Renewable Energy – Biology, Technology	2
Ecosystem Services	2



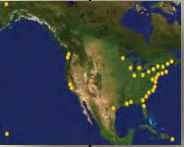


# Review of Research Topics



<i>Planning and Managing</i>	<i>Funding</i>
Water Quality – Regulation and BMPs	\$ 1,883,016
Tools to Assist Community Planners and Coastal Policymakers	\$ 1,494,348
Climate Change Effects and Adaptation	\$ 1,016,885
Renewable Energy – Risk, Perception, Siting	\$ 863,783
Community Resilience	\$ 751,144
Tourism and Recreation – Management and Development	\$ 565,619
Planning for Sea Level Rise	\$ 186,243
Shoreline Management	\$ 123,496
Water Supply	\$ 81,500
Working Waterfronts	\$ 25,000

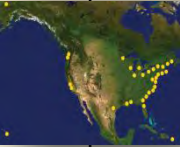
<i>Research and Monitoring</i>	<i>Funding</i>
Water Quality – Monitoring and Research	\$ 2,385,305
Tracking Impacts of Development and Changing Land Use	\$ 2,049,400
Engineering Research: Products and Materials	\$ 794,789
Tourism and Recreation – Valuation and Analysis	\$ 626,154
Sustainable Development	\$ 597,792
Ecosystem Services	\$ 339,831
Renewable Energy – Biology, Technology	\$ 236,878



# HEALTHY COASTAL ECOSYSTEMS

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FOCUS AREA REPORT



# Members

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- Michele Dionne
- Russ Herwig

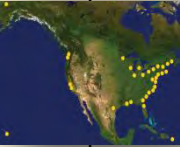
- **Incoming**

- Jim Eckman (Vice-Chair)
- Darren Okimoto
- Margaret Van Patten
- David MacNeill
- Bess Gillelan

- **Outgoing**

- Barry Costa-Pierce (Vice Chair)
- Anders Andren





# Activities

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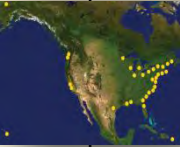
- Manuscript in review in *Estuaries & Coasts*
  - Managing bay and estuarine ecosystems for multiple services
- Sea Grant Network Strategic Plan 2014-2017
  - Review and comment
- HCE research priorities and focus



# Workshops & Conferences

funded through NSGO

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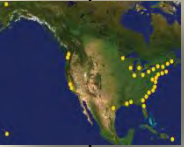


1. Keeping Pharmaceuticals and Personal Care Products out of the Environment – ILIN
2. Legal and Regulatory Efforts to Minimize Expansion of Zebra/Quagga Mussels through Watercraft Movement in Western States - OR

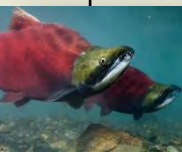
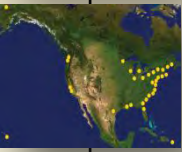


# NOAA Habitat Blue Print

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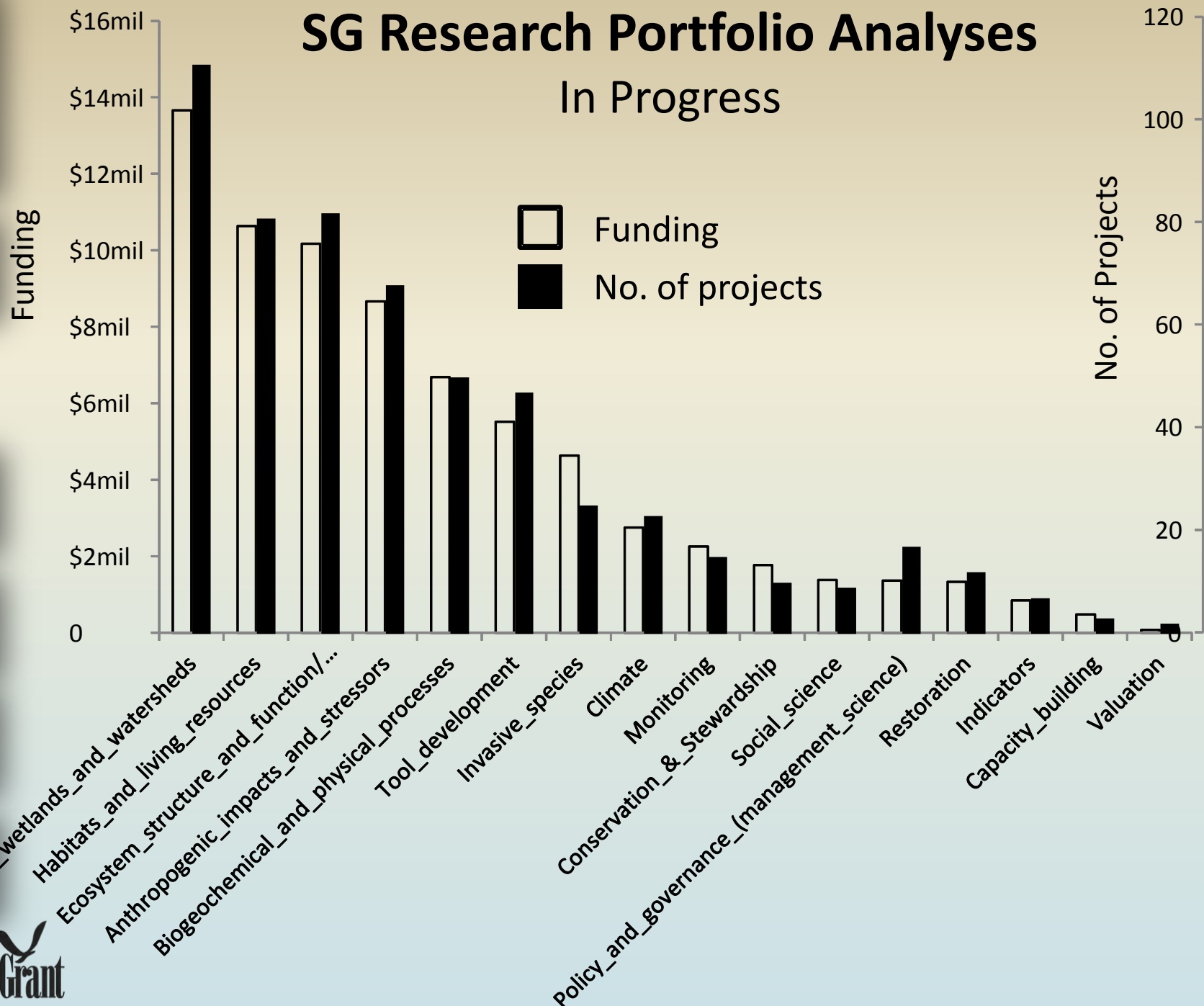


- NOAA wide framework
- Increase effectiveness of habitat work
  - Review and comment
- Nature & level of Sea Grant involvement
- HCE co-chair – Jim Eckman



# SG Research Portfolio Analyses

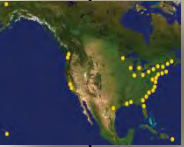
In Progress

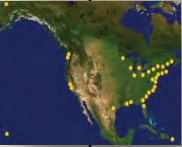




# Questions?

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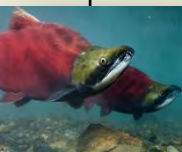
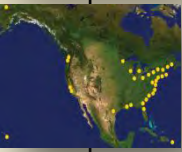




# Upcoming Performance Review Panel

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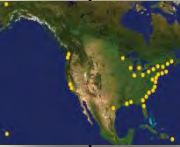
- October 29 – November 2



# SAFE AND SUSTAINABLE SEAFOOD SUPPLY

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## FOCUS AREA REPORT



# Membership

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- **Incoming**

- Penny Dalton (Vice-Chair)
- Jim Diana (Member)
- Wan-Jean Lee (Coordinator)
- Amy Painter (Alt Chair)

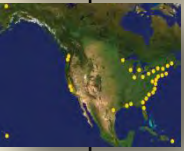
- **Outgoing**

- Chuck Wilson (Vice Chair)
- Dan Williams (Member)
- Amy Scaroni (Coordinator)
- Elizabeth Ban (Alt Chair)
- Vicki Clark (Member)
- Bill Dupaul (Member)



# Activities

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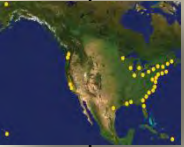
- “Local Catch”
  - Roundtable at NOAA (May 7)
  - Congressional Briefing (May 8)
- National Summit on Community Supported Fisheries (NH, May 30-June 1)
- Aquaculture NSI
  - Helped generate priorities for FY12-13 RFP
- Sea Grant Network Strategic Plan 2014-2017
  - Review and comment



# Workshops & Conferences

funded through Special Projects

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1. Fisheries Extension Network Meeting – NH



2. Creating and bringing to market value-added seafood products – VA



3. Improving the accuracy of fishery-independent survey indices by accounting for dynamic habitats - VA



4. Trawl Design Training Workshop - MI



5. US-Canada Symposium on The American lobster in a changing ecosystem - ME

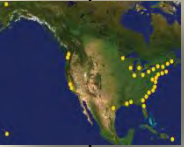


6. Community Supported Fisheries Workshop - NH



# Questions?

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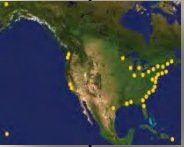




# Upcoming Performance Review Panel

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- October 15 – October 19





# SG Research Portfolio Analyses

## In Progress

