

# North Carolina Sea Grant 2012 NSGO Review

Elizabeth J. Ban



# NCSG Management

- Management staff
  - Michael P. Voiland, Executive Director, 0.7 FTE
  - Steve Rebach, Associate Director, 1.0 FTE
  - Jack Thigpen, Extension Director, 1.0 FTE
  - Katie Mosher, Communications Director, 0.7 FTE
  - Mary Beth Barrow, Fiscal Officer, 0.7 FTE
- Medium Program

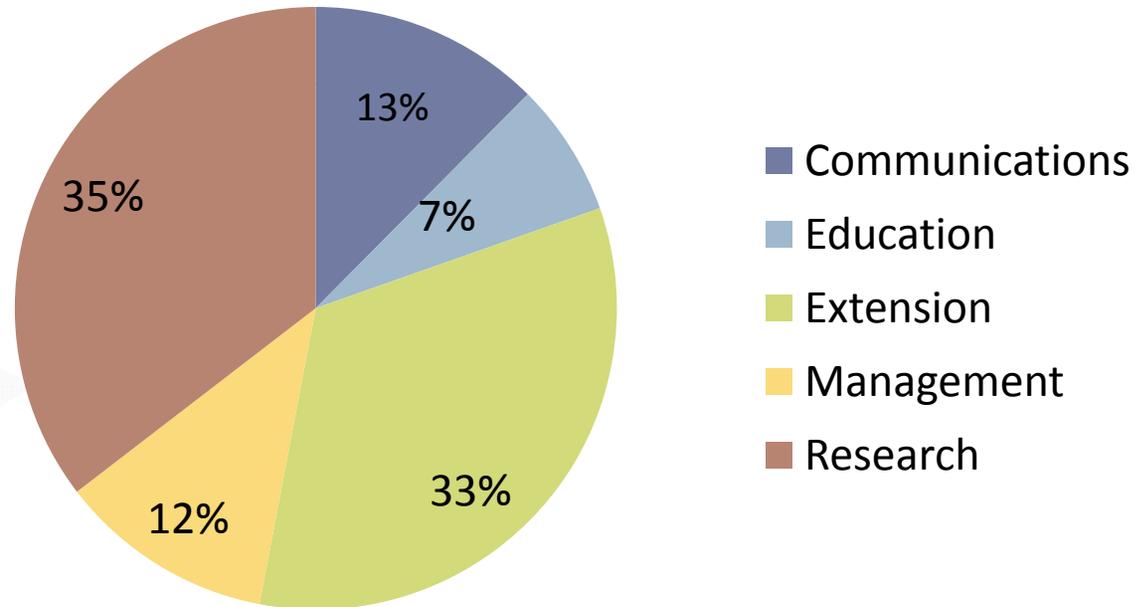
# NCSG Management

- Total FTEs on staff (information in Annual report metrics)

| Functional Area | # of individuals | # of FTEs supported by SG | # of FTEs supported by match/leverage |
|-----------------|------------------|---------------------------|---------------------------------------|
| Mgt/Admin       | 5                | 3.35                      | 1.3                                   |
| Comm.           | 4                | 1.36                      | 2.64                                  |
| Ext.            | 14               | 5                         | 7.25                                  |
| Education       | 1                | 0                         | 1                                     |
| Research        | 131              | 33.27                     | 17.27                                 |

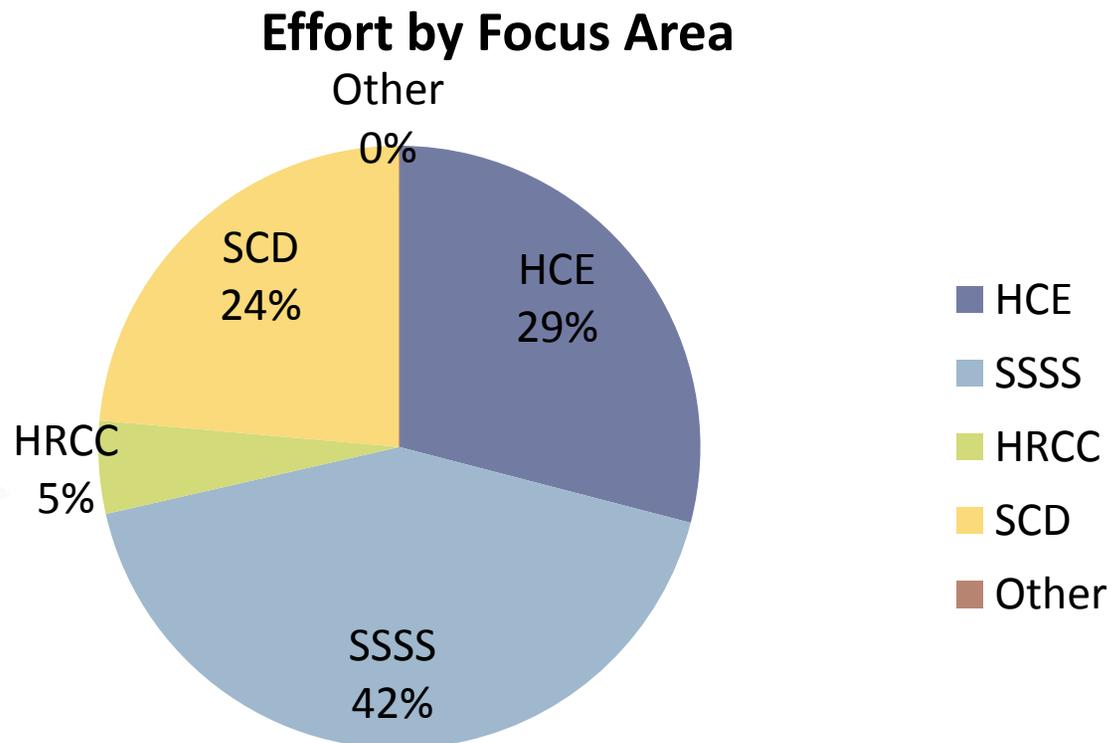
# NCSG 2010 Core Budget (Federal + Match) Toward each Functional Area

**Effort by Functional Area**



# NCSG 2010 Budget towards each Focus Area

Area (Fed + Match + Pass-Through + Managed Leveraged)



# Significant NCSG Changes (since January 2011)

Mike Voiland, Executive Director of NCSG, will be retiring in  
December 2012

# NCSG Program RFP Process

- March of odd years, NCSG issues request for preproposals
- 40-65 proposals generally submitted; each include statement of relevancy and purpose
- Preproposals reviewed by state agency officials, NCSG Advisory Board, coastal stakeholders, and NCSG extension staff
- 20-35 asked to submit full proposals
- Extensive peer (at least 5) and extension staff review
- Technical Review Panel evaluates proposals and peer review comments
- Selected projects must align with and enhance the overall NCSG omnibus strategy and needs of the state of North Carolina

# NCSG RFP Process for 2012-2013 Projects – Research Metrics

| <b>Core Proposals</b>    | <b># of proposals</b> | <b># of institutions</b> | <b># from home institution</b> |
|--------------------------|-----------------------|--------------------------|--------------------------------|
| Pre-proposals submitted  | 46                    | 9                        | 12                             |
| Full proposals submitted | 23                    | 10                       | 7                              |
| Proposals Funded         | 13                    | 8                        | 5                              |

# NCSG Contribution to National Performance Measures and Metrics

| Focus Area | Metric  | Actual |
|------------|---|--------|
| SCD        | # of coastal communities that have adopted, adapted, improved or refined sustainable development practices and policies                             | 8      |
| HCE        | # of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities  | 6      |
| SSSS       | # of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood | 1280   |
| HCE        | # of resource managers using Ecosystem-Based Management   | 36     |

# NCSG Contribution to National Performance Measures and Metrics

| Focus Area | Metric  | Actual      |
|------------|---|-------------|
| HRCC       | Economic benefits of annual policy holder savings for flood insurance   | \$1,300,000 |
| SSSS       | Economic benefits of hybrid striped bass aquaculture                    | \$1,000,000 |
| SSSS       | Economic benefits of Trade Adjustment Assistance for the shrimp fishery | \$650,000   |

# NCSG Impacts

## Coastal Wind Insurance: Increasing Safety and Reducing Premiums

- When state officials accepted NCSG recommendations to establish wind-resistance mitigation credits on coastal insurance policies, the result was twofold: increased safety and lower premiums for property owners.
- 2010: NC Insurance Commissioner offers 5-24% credits on 2011 policies
- 2011: Existing buildings will be eligible for lower wind insurance rates
  - Many new coastal NC buildings are expected to be designed for the highest credits

### *Hazard Resilience in Coastal Communities*

- *Community capacity to prepare for and respond to hazardous events*

# NCSG Impacts

## Sustainable Coastal Growth Strategies:

Local coastal governments want to become more sustainable, but lack expertise and resources. NCSG brought together academic, NGO and local government partners to develop initiatives including:

- Currituck Goes Green – including county sustainability resolution. Also, \$40,000 in external funding provided a stormwater demonstration project in cooperation with, and on the property of, Currituck County Cooperative Extension.
- Growth Strategies Course – annual 2-day training for local officials. So far, 72 participants came from 21 coastal towns and cities in 12 counties.
- Rainwater Harvesting – co-led multiple partners to plan/conduct workshop. The 53 participants returned to their communities as trainers in the utilization of harvested rainwater for irrigation and landscaping. A second workshop in 2011.
- “Sustainability Series” – supporting documents for all these programs. Nine publications available online cover a spectrum of environmental development issues from water quality resources to trees/plants.

### *Sustainable Coastal Development*

- *Coastal citizens, community leaders, and industries that recognize the complex inter-relationships between social, economic, and environmental values in coastal areas and work together to balance multiple uses and optimize environmental sustainability; Coastal communities that make efficient use of land, energy and water resources and protect the resources needed to sustain coastal ecosystems and quality of life; Healthy coastal economies that include working waterfronts, an abundance of recreation and tourism opportunities, and coastal access for all citizens*

# NCSG Impacts

## Trade Adjustment Assistance Training for NC Shrimpers

To help shrimpers adjust to foreign import competition, NCSG collaborated with USDA and other Sea Grant state programs to provide training for NC shrimpers to develop business plans and adjust business practices to be more effective in the changing economic environment

- 2010: 182 NC shrimpers received training with a possible impact of over \$2 million for the state

### *Safe and Sustainable Seafood Supply*

- *A healthy domestic seafood industry that harvests, produces, processes and markets seafood responsibly and efficiently*



# NCSG Impacts

## Administering Marine Mammal Bycatch Reduction Research

NOAA Fisheries continues to seek NCSG partnership on the Bycatch Reduction of Marine Mammals in Mid-Atlantic Fisheries Program. Nine projects have been funded since 2005.

- 2010
  - Stock study of bottlenose dolphins
  - Analysis of pilot whales entanglements with longlines
  - Follow up on pound-net leader study in the Chesapeake
- 2011
  - Tested 2 different pound net leaders
    - Reduced bycatch
    - Did not significantly reduce targeted catch

### *Safe and Sustainable Seafood Supply*

- *A healthy domestic seafood industry that harvests, produces, processes and markets seafood responsibly and efficiently*



# NCSG Impacts

## RecText Implementation Begins

NCSG developed RecText to test an efficient and effective, electronic reporting method for recreational fishing data that has been difficult to collect. NCSG designed a pilot project using cell phones for anglers to text fishing reports to an online database. Managers from Maryland and NOAA are now testing operational adaptations of the system, while North Carolina officials continue evaluation as well.

- 2010
  - Maryland state officials and NOAA Fisheries are utilizing the RecText technology on a trial basis. NC DMF continues to evaluate the tool for use.

### *Safe and Sustainable Seafood Supply*

- *A healthy domestic seafood industry that harvests, produces, processes and markets seafood responsibly and efficiently*
- *Sound scientific information to support ecosystem-based approaches to managing the coastal environment*



# NCSG 2010 Research Accomplishments

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## Estuarine habitat impact on fish production

- Ongoing NCSG research is measuring the impact of coastal development on estuarine areas that are essential for reproduction of finfish and shellfish. The results will be used by North Carolina officials to identify Strategic Habitat Areas as required in the N.C. Coastal Habitat Protection Plan.

# NCSG 2010 Research Accomplishments

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## Assessing potential for estuarine nitrogen removal by oyster reefs

- NCSG research has enhanced the capacity to quantify and evaluate the ecosystem service of nitrogen removal in shallow coastal ecosystems. Results from this project are expected to inform new regulations, as well as restoration and conservation efforts in estuaries. The project has already generated additional \$850,000 in NSF funding.

# Sources (unless otherwise noted)

- Planning, Implementation, and Evaluation Resources (PIER)  
<https://pier.seagrant.noaa.gov>
- Personal Communication with Program
- 2011 Site Review Team Briefing Book
- 2011 Site Review Team Report
- 2011 Site Review Team Program Response