Rhode Island Sea Grant Program 2011 NSGO Review

Program Officer – Sami Jae Grimes

Program Management

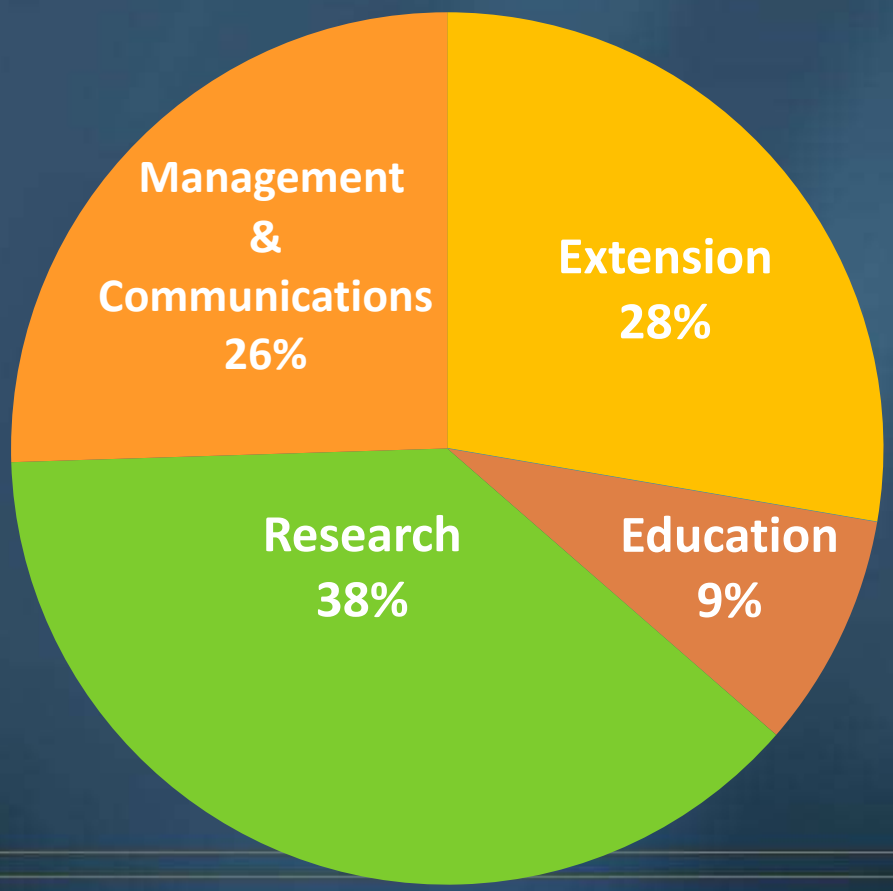
- Director, Barry Costa-Pierce
- Assistant Director, Alan Desbonnet
- Research Communications Specialist, Meredith Haas
- Communicator, Monica Allard-Cox
- Program Manager, Heather Rhodes
- Administrative Assistant, Tracy Kennedy

Leadership Team balances skills in thematic and functional areas (Costa-Pierce, Desbonnet, Haas, Allard-Cox, Rhodes, Farady, Skrobe, McCann)

- Large SG Program

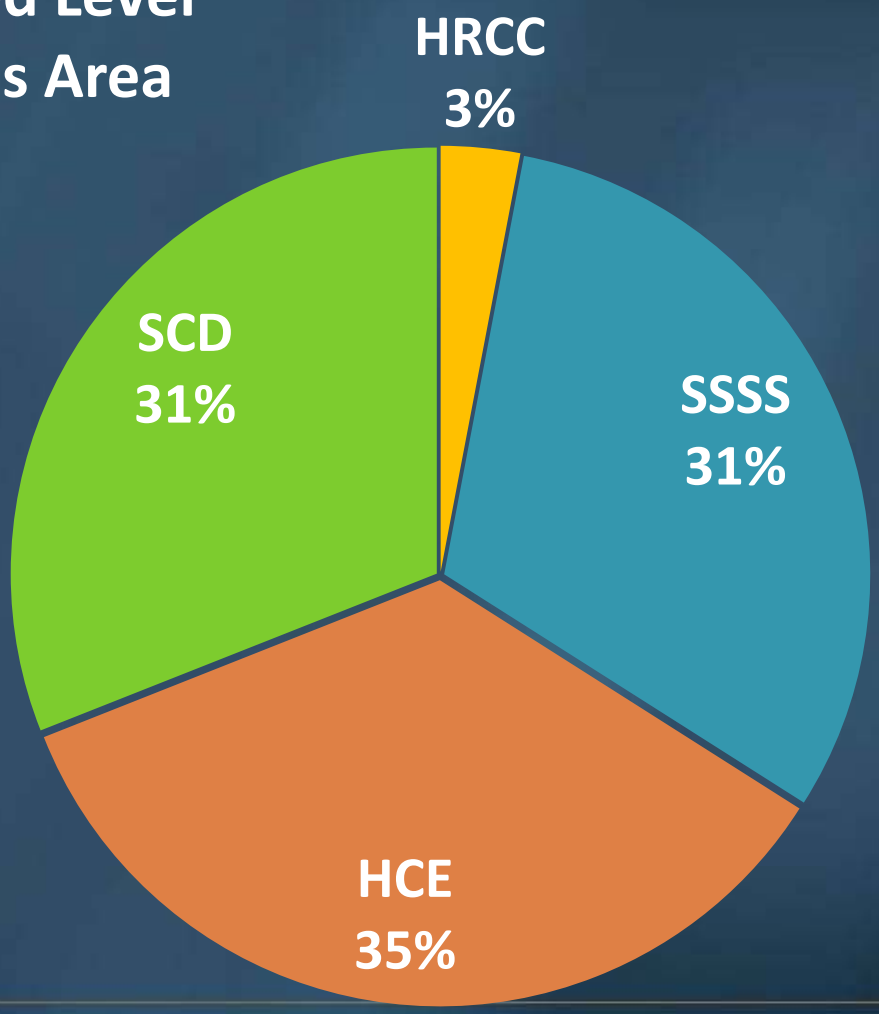
Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Mgt/Admin	6	1.92	2.17
Comm.	4	1.42	0
Ext.	26	7.28	.88
Education	5	.46	.5
Research	98	18.51	2.7

Program Budget towards each Functional Area



Program Budget towards each Focus Area

FY10-13 Estimated Level of Effort by Focus Area



Significant Program Changes
(since Jan. 2010)

- Heather Rhodes – Program Manager
- Meredith Haas – Research Communications Specialist
- Feb. 1, 2011 – will appoint an extension leader for RISG

Program Requested Changes to 2010-2013 Program Plan

- Program submitting some minor adjustments to their program plan
  - Changes include some minor delays and reductions of some output
  - Reasons:
    - Program-wide engagement in the Ocean SAMP
    - Budgetary - lack of success in leveraging funds to complete certain planned initiatives.

State Program Performance Measures

Focus Area	PM	Target
HCE	Number of stakeholders who use ecosystem-based approaches in the management of land, water, and living resources in coastal areas as a result of Sea Grant activities.	200 individuals 50 major stakeholder groups 2 major fisheries stakeholder groups
SCD	Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities	6 (25%)
SSSS	Economic (market and non-market) and societal benefits (jobs created and retained) derived from the discovery and/or application of new fishery production and management models or techniques that lead to increased sustainability and productivity from the fishery.	Preserve a $100 million commercial, and a $70 million recreational fishery, and 1,700 jobs
HRCC	Number of coastal communities and citizens who adopt/implement hazard resiliency practices to prepare for and respond to/minimize coastal hazardous events.	20% (5) of RI coastal communities
Other	Next generation of legal professionals is applying ecosystem based mgt approaches to coastal and marine resource issues, working to secure safe and sustainable seafood, ensure sustainable coastal development and increase coastal community hazard resilience.	128 individuals.

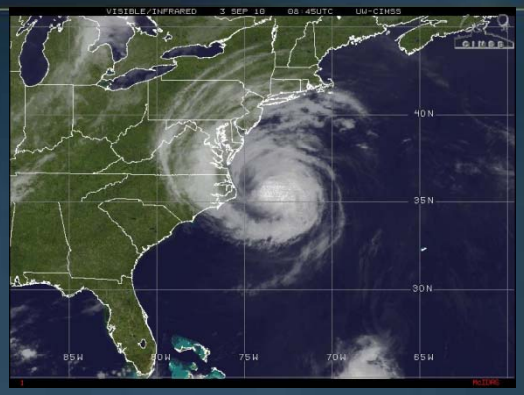
Contribution to National Performance Measures and Metrics

- **Leveraged over $4.26M** (funds managed or influenced by RI SG)
- Estimated **$15.1M** in economic benefits derived from SG activities last year, with approx. **300 jobs** retained
- Coastal communities adopted sustainable development practices and policies = 9
- Over 100 presentations in 2009, with nearly 4600 attendees
- Number of stakeholders modifying practices using knowledge gained in fisheries sustainability, seafood safety = 156

Program Impacts

- New technology reduces squid processing cost $100K per year, and reduces energy consumption by 55% (SSSS)
  - Squid waste is now being turned into organic lawn fertilizers (market testing in 2010-11)
  - New markets being developed
  - Links with both old and new program strategic plans by developing new technologies that improve the economic viability of the state's fishing industry.

Program Impacts

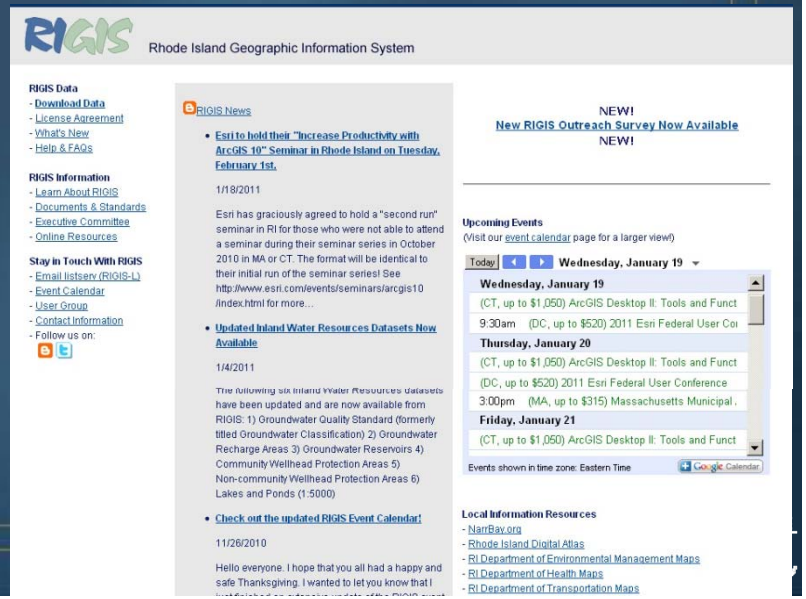


- Rhode Island adopts guidelines for hurricane-proof building (HRCC)
  - In collaboration with RI Coastal Resources Management Council
  - Nation's first Coastal Zone Management Policy that adapts construction guidelines to accommodate accelerated sea level rise
  - Goal: Fostering sustainable coastal communities that are prepared, both economically and ecologically, for future change. It also fits goals of engaging industry (e.g., builders association and insurance) in being stewards of coastal community sustainability.

Program Impacts

- RI SG developed the state's first comprehensive GIS-based inventory of waterfront use and infrastructure (SCD)
  - Relation to plan elements - preservation of working waterfronts in the state, and in promoting their incorporation into economic development planning, particularly in urban areas where they have been historically important element of local communities and their economies.

http://www.edc.uri.edu/RIGIS/



Program Impacts

- RISG researcher develops an online sustainable seafood database (SSSS)
  - Database provides research results of sustainable seafood ranking methodologies
  - This initiative will be a major element in upcoming strategic plans, and will continue to grow into the future

http://cels.uri.edu/urissi/Search.aspx

Program Impacts

- Water temperature approximates residence time in coastal lagoon ecosystems (HCE)
  - Allows managers to easily and effectively respond to daily /weekly bacterial contamination events and to more intense events such as contaminant spills
  - RISG strategic goals promoting increased knowledge of RI coastal ecosystems, and for applying that knowledge to improved management and stewardship of those resources.

2009 Research Accomplishments

- RI SG researchers find herbivorous crab responsible for New England salt marsh die off
  - This is the first indication that salt marshes are controlled by more than physical forces (historical management consideration).
- Better bycatch mortality estimate in the New England Summer Flounder Fishery
  - Reflex Action Mortality Predictor (RAMP)
  - Allows fisheries managers more realistic estimates of bycatch mortality
  - Improve sustainability of the fishery as well as improve the economic viability of the commercial fishery