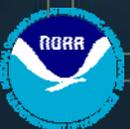


Virginia Sea Grant Program 2011 NSGO Review

Dorn Carlson



Program Management

Director – Troy Hartley

AD for Research – Susan Park

AD for Extension – Tom Murray

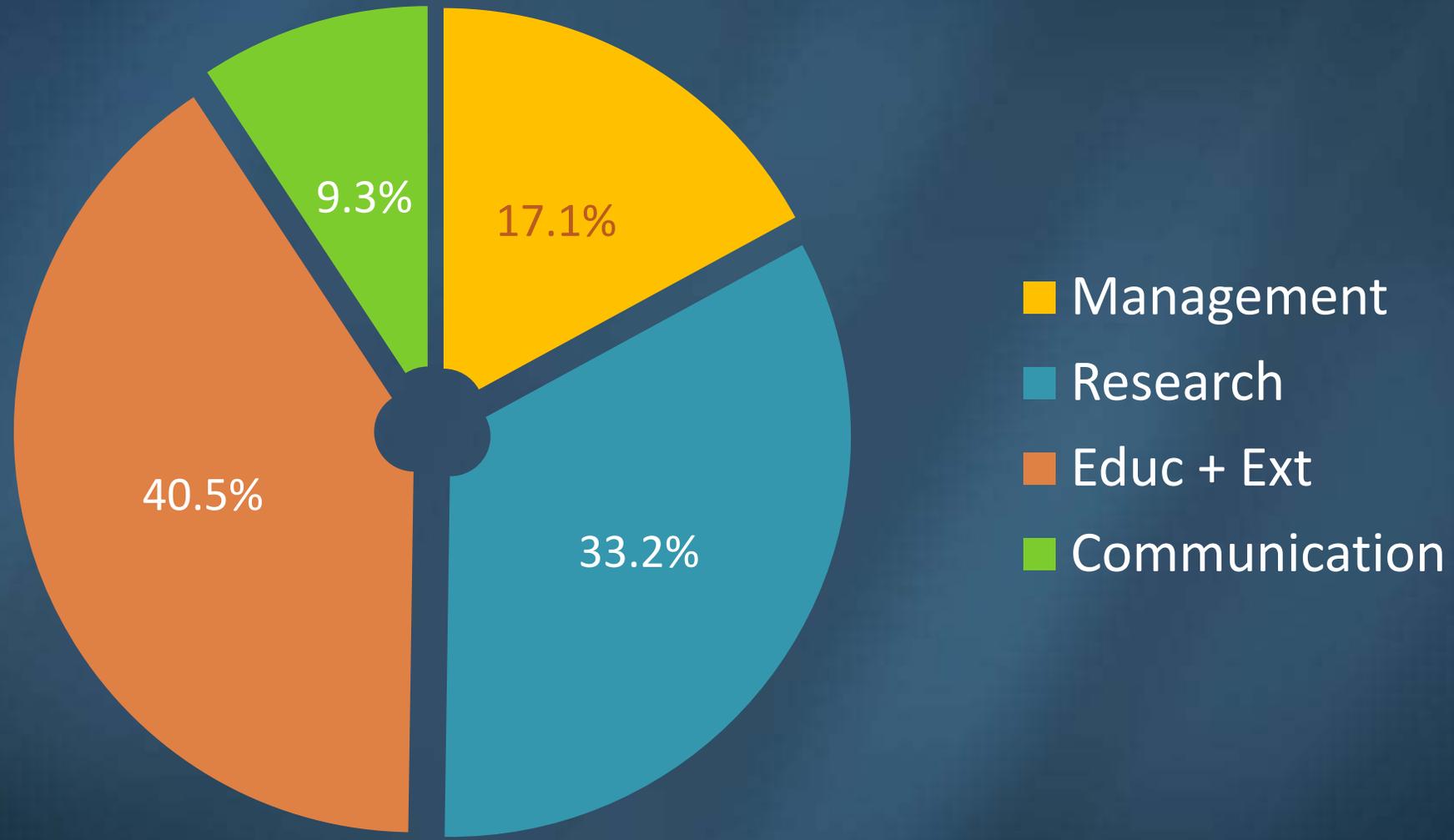
Communicator – Margaret Pizer

Fiscal Officer – Katherine Davis-Small

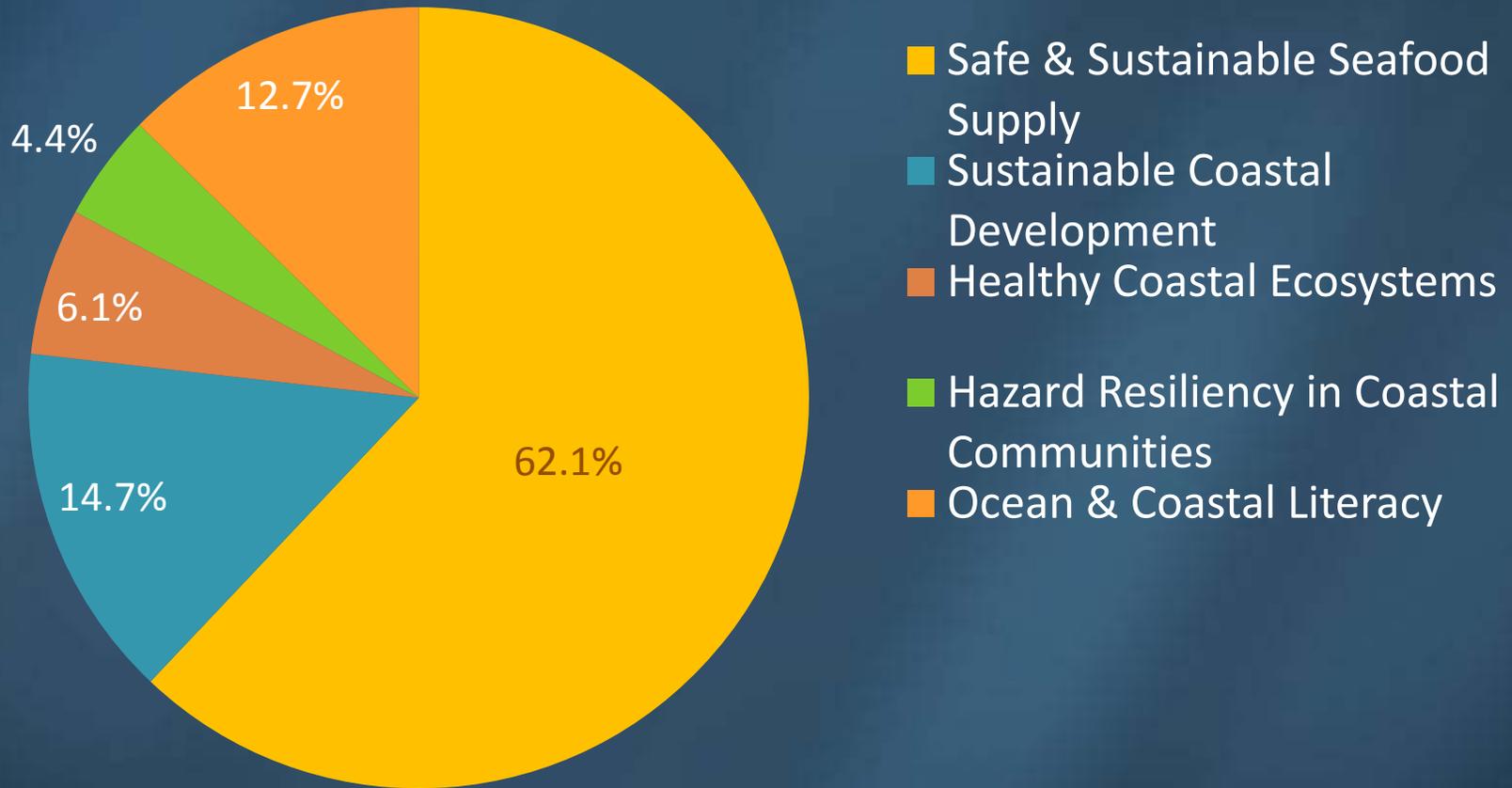
Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Mgt/Admin	3	1.35	0.75
Comm.	2	1.84	0.16
Extension	21	6.61	14.02
Education	(in Extension)		
Research			

- Virginia is a “medium” sized program

Program Budget towards each Functional Area - 2010



Program Budget towards each Focus Area



Significant Program Changes (since Jan. 2010)

- Staff losses
 - Hourly part-time assistant
 - FEE staff

Program Requested Changes to 2010-2013 Program Plan

- Changes due to additional secured funding and expired funds
 - NSI's aquaculture extension and (2) research
 - Invasive species – regional
 - Sea level rise and inundation – regional
 - FEE expired
- Do not anticipate other significant strategic plan changes.
- Annual strategic planning discussions taking place at annual symposium

State Program Performance Measures

- HCE: Funded research projects developing science needed for ecosystem-based approaches to fisheries and aquaculture management (2)
- SCD: Market assessments to help local communities enhance waterfront economic activities and protect the environment. (3)
- SSSS: Chefs and culinary students trained in sustainable practices (100)
- HRCC: Communities adopting new design or mgt practices for Climate Change Adaptation (3)
- COL: Grad students and young scientists trained to communicate science to non-scientists (12)

Contribution to National Performance Measures and Metrics

- 5 Knauss fellows selected for 2011
- 21 undergraduate/graduate students supported
- 5830 K-12 students reached
- 20 curricula developed
- 64 certified Clean Marinas
- 57 new HACCP certifications
- \$32,622,000 in economic benefit
- 415 jobs created or retained

Program Impacts

- VA SG survey on the impact of personal property taxes on boat-owners helped the Hampton City Council decide retain and extend their \$0 personal property tax on recreational watercraft. The impact of this policy was estimated at \$30.8 million annually. This level of economic output in the marina sector is associated with retention of 394 full time jobs.
- VA SG support for marinas applying for federal Boating Infrastructure Grants generated \$0.5 million of new investments, translating into \$1.43M in economic impact to Virginia. This level of economic output in the marina sector is associated with 18 full time jobs.

Program Impacts

- The VASG Coastal Community Development (CCD) Program worked with the Virginia CZM program, Middle Peninsula Planning District Commission, and diverse stakeholders to discuss use-conflicts and planning priorities. RESULTS: Committee recommendations were incorporated into the comprehensive planning processes of Gloucester and Mathews counties, and Mathews county is pursuing the development and siting of an offshore aquaculture business park.
- Nine graduate students received training in communicating science to non-scientists, as well as in teaching methods and curriculum development. Nine teachers at Virginia middle and high schools benefitted from the presence of young scientists in their classrooms helping to teach their students about marine science, science careers, and a variety of other topics.

2009 Research Accomplishments

- The VA SG FEE specialist conducted collaborative research projects with fishermen to determine the best gillnet mesh sizes for avoiding bycatch of American shad, Atlantic Sturgeon, and large reproductive striped bass. Virginia Marine Resource Commission used the research results to restrict mesh sizes in Virginia's tributaries to reduce bycatch.
- Other VA SG research demonstrated that the James River has genetically unique Atlantic sturgeon naturally reproducing. Anticipated ESA listing of the James River Atlantic sturgeon stock will be based on its unique genotype. Related research has resulted in a much improved understanding of the sturgeon and how to minimize negative impacts due to dredging, shipping, gillnet fishing.
- In response to impending changes in nitrogen limits for wastewater treatment plants, research was conducted to measure how much organic N in wastewater is bio-available, which determines how much of that nitrogen must be counted toward the new nitrogen release limits.