

California Sea Grant Program 2011 NSGO Review

Program Officer - Heather A. Triezenberg

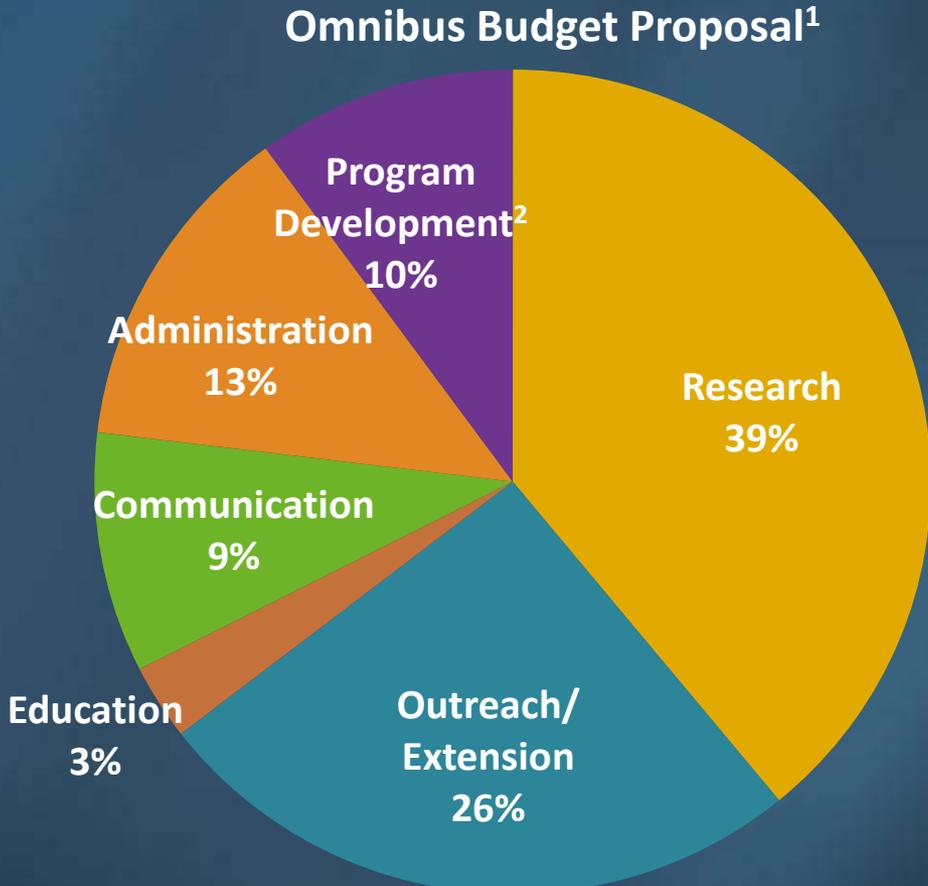
Program Management

- Management staff
 - Director, James Eckman
 - Assistant Director, Shauna Oh
 - Interim Director for Extension, Rick Starr
 - Communications Director, Marsha Gear
 - Business Manager, Catherine Hughes

Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Administration	8	4.17	2.49
Communication	6	3.82	3.69
Extension	9	3.50	8.50
Education	2	0.00	0.50
Research	91	8.27	7.30

- Large program

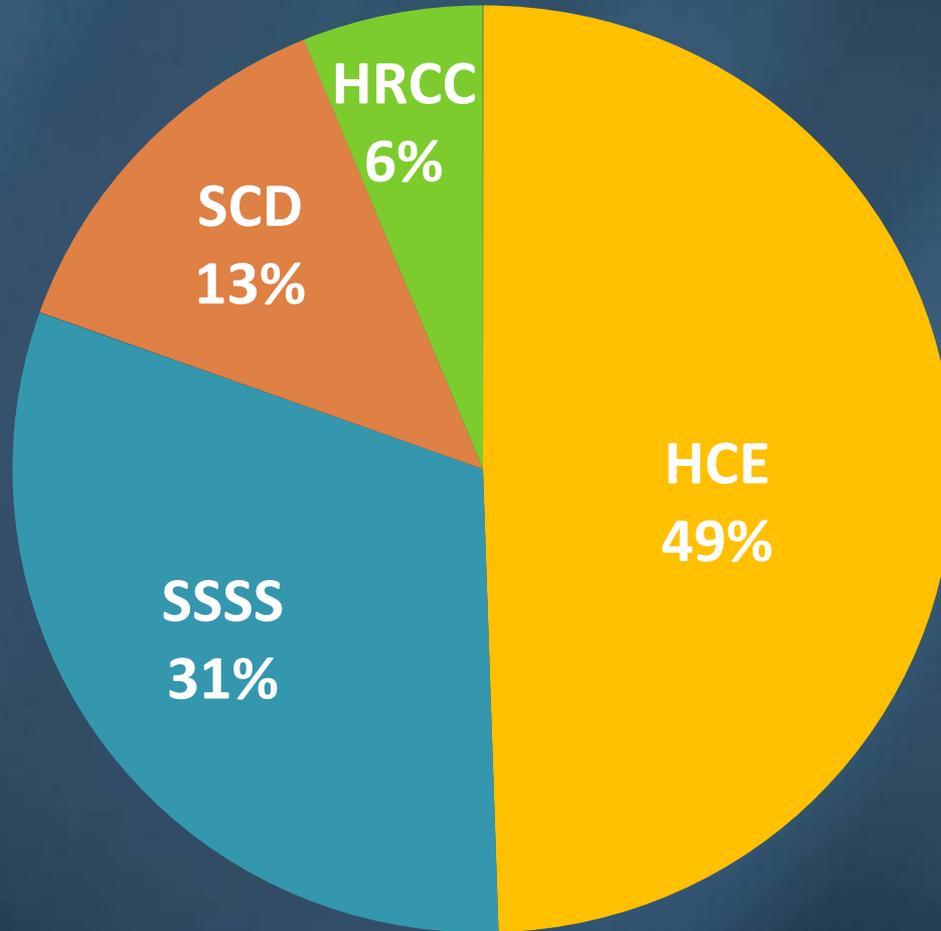
Program Budget towards each Functional Area



¹Core, merit, and bonus Sea Grant funds and match.
²These funds are typically invested in competitive projects.



Program Budget towards each Focus Area



Significant Program Changes

(since Jan. 2010)

- Russ Moll retired
- New director (Jim Eckman) hired
- Extension relationships with UC Davis severed, now Sea Grant Extension housed at UCSD

Program Requested Changes to 2010-2013 Program Plan

- Will be modifying program plan in response to
 - Aquaculture research grant
 - Invasive species subaward (administered through Oregon Sea Grant)

State Program Performance Measures

Focus area	Performance measure	Target
HCE	Completion of Humboldt Bay physical impacts of sea level rise outreach products, wetlands assessment, Coastal Infrastructure Handbook and Community Climate Change Adaptation Plan.	4
SCD	Up to 3 small cities and 5 rural communities will engage in Humboldt Bay EBM Initiative.	3
SSSS	Number of stakeholders trained annually at workshops/programs (e.g., seafood HACCP, sensory).	50
HRCC	Number of coastal beaches provided with information about local coastal hazards, tools, techniques or best practices. (e.g., rip currents and steep beach signs).	2

Contribution to National Performance Measures and Metrics

- Leveraged funds \$1,879,918
- 5 Knauss Fellows
- 124 sponsored/organized meetings, workshops, and conferences
- Estimated \$244,000 in economic benefits derived from SG activities
- 14 jobs created; 23 jobs retained

Program Impacts: Healthy coastal ecosystems

- New tool for monitoring algal toxins
 - CA SG researchers developed man-made sentinel mussel that detects low levels of potentially harmful seafood toxins
 - SPATT has been integrated into CA Program for Regional Enhanced Monitoring of Phyco-Toxins, a component of NOAA HAB monitoring and in the Central and Northern CA OOS. CA Dept Fish & Game also using

This impact may be from a project prior to the 2009-2013 strategic plan.



Program Impacts: Sustainable coastal community development

● North Coast fishing communities project

- Mendocino, Humboldt, and Del Norte Counties are most productive area for fisheries and most affected by federal groundfish and salmon mgmt
- Historical socio-economic analysis to develop community histories.
- Results supported port infrastructure development planning, state & federal MPA planning, and increase awareness of opportunities and challenges of sustainability

Performance measures: The four targeted coastal fishing communities and local and state managers integrate fishing community profile/port inventory data into decision-making to contribute to decisions that help to sustain local resources and their use, working waterfronts and associated fishing communities.



Program Impacts: Healthy coastal ecosystems

Humboldt Bay Initiative (HBI)

- >60 stakeholders involved with planning for the Humboldt Bay ecosystem
- Developed a HBI strategic plan and proposals for sediment circulation
- Obtained a grant for sea level rise community planning
- Formed a non-profit to house HBI activities

Performance measures: Number of tools, technologies, and information services used to improve ecosystem-based management: 1 tool – tool was conservation action planning completed by Humboldt Bay Initiative, 44 people participated in 4 day workshop, follow-up meetings and plan preparation.



Program Impacts: Sustainable coastal community development

● Collaborative Fisheries Research

- CA Collaborative Fisheries Research Program (CCFRP) created in 2006 to collect regional fish data for use in evaluating trends of fish stocks
- Established scientifically rigorous protocols
- 15 vessels, >250 anglers to catch, tag, and release 10,000 fish in nearshore waters
- Performance measure: Increased involvement of stakeholders in the collection and interpretation of data on finer spatial scales.



Program Impacts: Healthy coastal ecosystems

- Recovery of Endangered Coho Salmon in Russian River Watershed
 - Monitor stocked fish and their habitat
 - Documented high rates of adult fish returning to stream
 - Watershed provides access to drinking water for 600,000 people
 - Public education campaign (cards, leaflets, signs)
 - No coho are known to have been taken in 2009

Performance measure: (1) number of smolts out-migrating and number of adults returning and successfully spawning (2) number of signs posted, brochures distributes and anglers contacted



2009 Research Accomplishments

- Antibiotics for Withering Syndrome in Abalone
 - Development of antibiotic therapies for the federally protected abalone. NOAA Fisheries now using treatment with brood stock.
- Sea Urchin Genetics
 - Sea Urchin populations in British Columbia and California are genetically differentiated. Population structures occur over shorter distances. Implications for management of estimated \$6.5M fishery.