

University of Southern California Sea Grant 2012 NSGO Review

Chelsea Lowes

USCSG Management

- Management staff (Name, position, FTE)
 - Linda Duguay, Director, 0.45 FTE
 - Phyllis Grifman, Associate Director, 1.0 FTE
 - Jim Fawcett, Extension Program Leader, 0.50 FTE
 - Juliette Hart, Regional Research & Planning Specialist, 0.80 FTE
 - Linda Chilton, Director of Education, 1.0 FTE
 - Lynn Whitley, Wrigley Institute Director of Pre-College Education, 0.25 FTE
 - Charlotte Stevenson, Science Communications Specialists, 0.25 FTE
- Small program

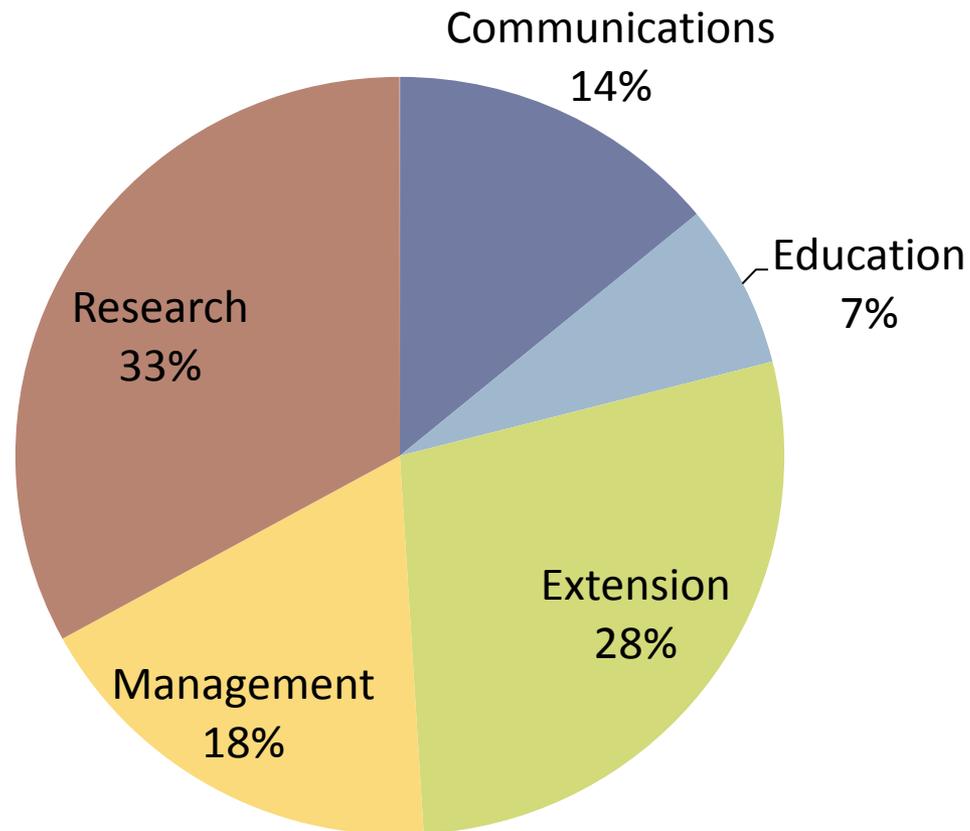
USCSG Management

- 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	2	0.00	0.95
Comm.	3	1.50	0.00
Ext.	5	3	0.75
Education	1	0.50	0.50
Research	19	1	0.50

USCSG 2010 Core Budget (Fed + Match) towards each Functional Area

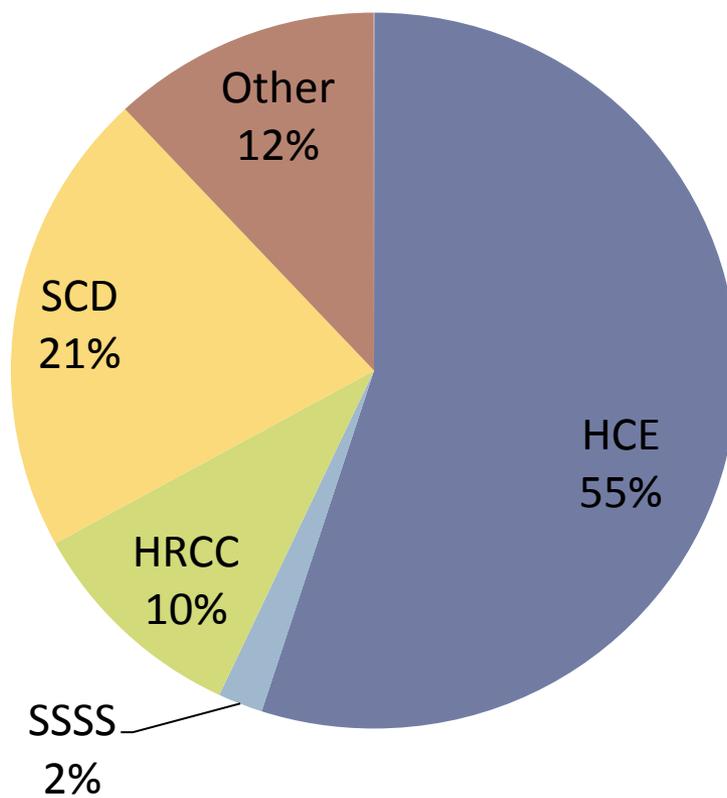
Effort by Functional Area



USCSG 2010 Budget towards each Focus Area

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

Effort by Focus Area



Significant USCSG Changes (since Jan. 2011)

- N/A

USCSG Program RFP Process

- Preproposals due – March 21, 2011
- Review of preproposals - March/April 2011
- Preproposal applicants notified of recommendations and full proposals requested – May 16th with July 24th due date
- Peer review and project selection –
 - Peer Review – July 26th – August 22nd
 - Technical Review met August 26, 2011
 - California Resources Agency SG Advisory Panel (RASGAP) met April 15, 2011 for preproposal review and September 16, 2011 for full proposal review.
- Notice of funding decisions – October 2011
- Projects begin – February 1, 2012

USCSG RFP Process for 2012-2013 Projects – Research Metrics

Core Proposals	# of Proposals	# of institutions	# from home institutions
Pre-proposals submitted	16	18	6
Full proposals submitted	14	15	6
Proposals Funded	4	6	1
* Proposals Funded with OPC funds	3	4	1

USCSG Contribution to National Performance Measures and Metrics

Focus Area	Metric	Actual
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.	168
SSSS	Number of stakeholders who modify their practices using knowledge gained in fisheries sustainability, seafood safety, and the health benefits of seafood.	34
HCE	Number of coastal communities who have restored degraded ecosystems as a result of Sea Grant activities.	35
n/a	Total K-12 Students Reached through Educators	44264
n/a	Attendees in SG Meetings/Workshops	2079

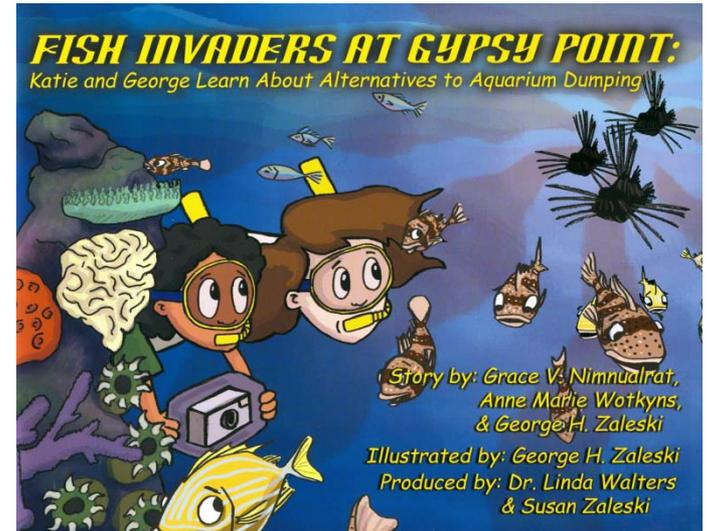
USCSG Impacts

Ocean Literacy Enhancement

- Ocean education and environmental literacy: implement ocean literacy programs in California and the nation by making marine science content accessible to diverse audiences
- Ocean literacy principles and concepts are incorporated in the new National Science Core Concepts
- Focus Area: Other - Marine Literacy
- Goal(s): Establish ocean literacy implementation in California and the nation by making marine science content accessible to diverse audience

Invasive Species Education

- Materials and training are helping to reduce the numbers of classroom organisms released to the wild
- Focus Area: Other - Marine Literacy
- Goal(s): Establish ocean literacy implementation in California and the nation by making marine science content accessible to diverse audience



USCSG Impacts

Climate Change Education

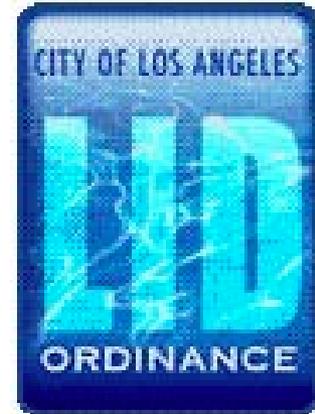
- Materials developed by USCSG and partners utilized at NOAA Climate Change workshop and NOAA Channel Island National Marine Sanctuary to train educators and volunteer docents on climate change impacts
 - Broadens availability of science based material on climate change
- Training and materials provided in coordination with NOAA NWS for educators are helping them teach climate related natural hazards and safety lessons in the classroom
 - Focus Area: Other - Marine Literacy
 - Goal(s): Establish ocean literacy implementation in California and the nation by making marine science content accessible to diverse audience



USCSG Impacts

Low Impact Development

- LA Mayor Villaraigosa signed low-impact development ordinance endorsed by City Council
 - USCSG worked w/former Public Works Commissioner and Bureau of Sanitation to develop ordinance
 - Focus Area: SCD
 - Goal(s): Coastal citizens, community leaders, and industries recognize the complex inter-relationships among the 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.



Marine Protected Areas

- MPAs for Southern Calif. designated and approved by state
 - USCSG served as neutral facilitator on state stakeholder panel to map and negotiate marine reserves and state conservation areas
 - Focus Area: HCE
 - Goal(s): Restored function and productivity of degraded ecosystems

Marine Transportation

- Develop knowledge and appreciation of importance of commercial shipping in Southern California through Science on a Sphere exhibit
 - USCSG led advisory committee to write and produce material for the film
 - Focus Area: SCD
 - Goal(s): Establish ocean literacy implementation in California and the nation by making marine science content accessible to diverse audience. Healthy coastal economies that include working waterfronts, an abundance of recreation and tourism opportunities, and coastal access for all citizens.



USCSG 2010 Research Accomplishments

Testing of improved remote sensing and AUV sensors now allow for improved evaluation of the impacts of discharge plumes and how they are related to algal blooms.

- Coastal managers can assess potential impacts of urban discharges in the nearshore ocean



USCSG 2010 Research Accomplishments

Assessed hormonal and physiological changes in nearshore fishes associated with areas of waste disposal

- Aids sanitation authorities in identifying new directions for managing contents of waste stream



Sources (unless otherwise noted)

- Planning, Implementation, and Evaluation Resources (PIER)
<https://pier.seagrant.noaa.gov>
- Personal Communication with Program