



California Sea Grant

James Eckman, Director

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Jim Eckman – Background

1997–2010: ONR Program Manager

1984–1997: Faculty, Skidaway
Institute of Oceanography
(Savannah, GA)

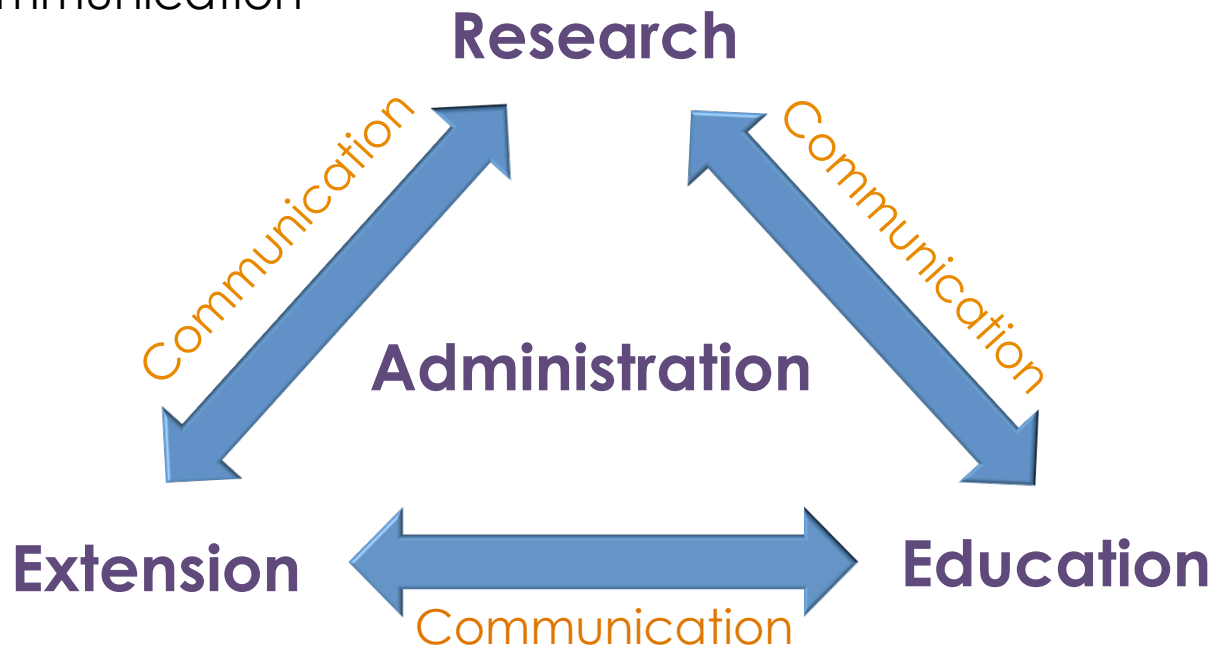
Research Background: Marine
Benthic Ecology – kelp, invertebrate
feeding, larval dispersal, benthic
microalgae, coupled physical-
biological-sedimentological
processes





Sea Grant Legislation

- National Sea Grant College Program Act of 1966
 - Latest reauthorization 2009–2014
 - Authorizes programs of research, extension, education and communication



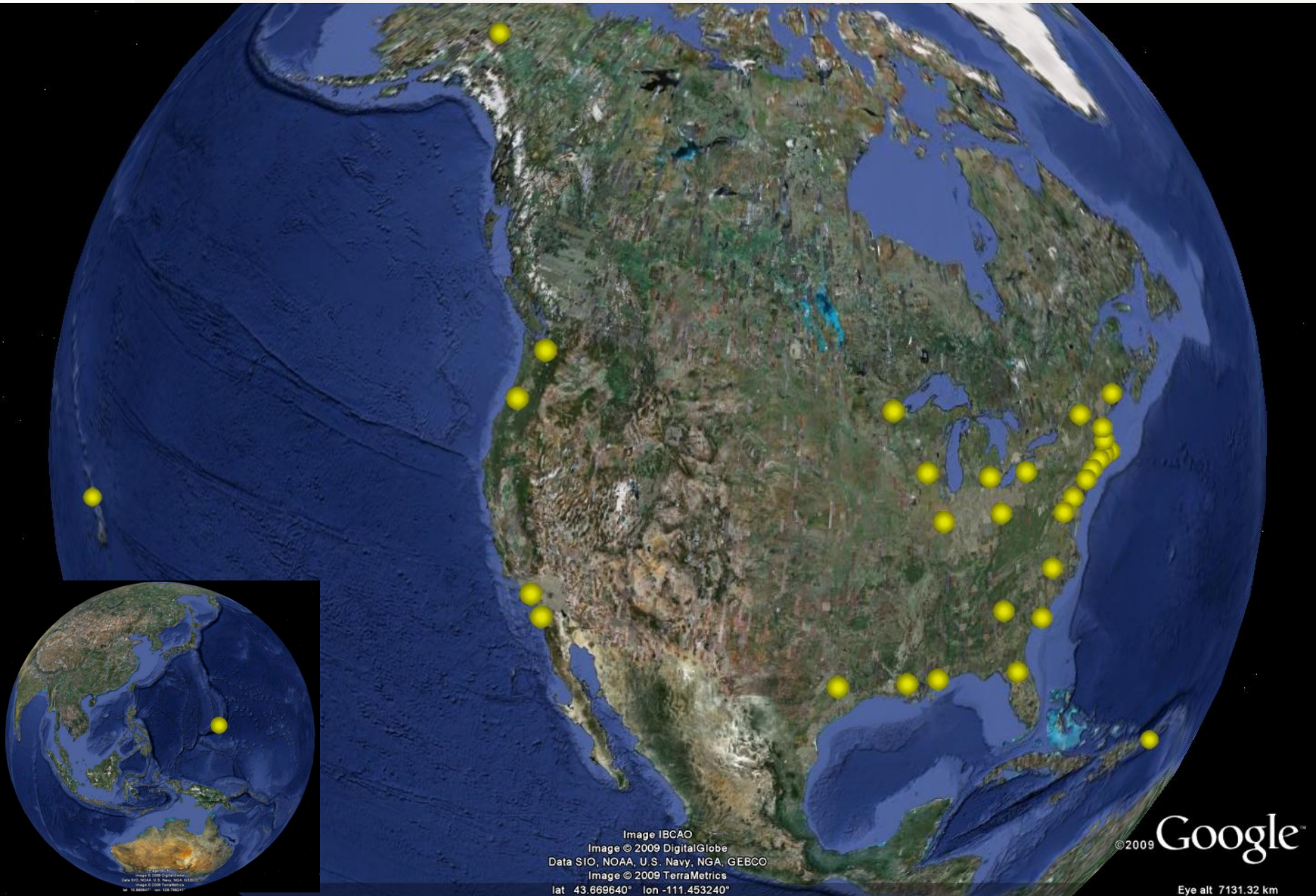


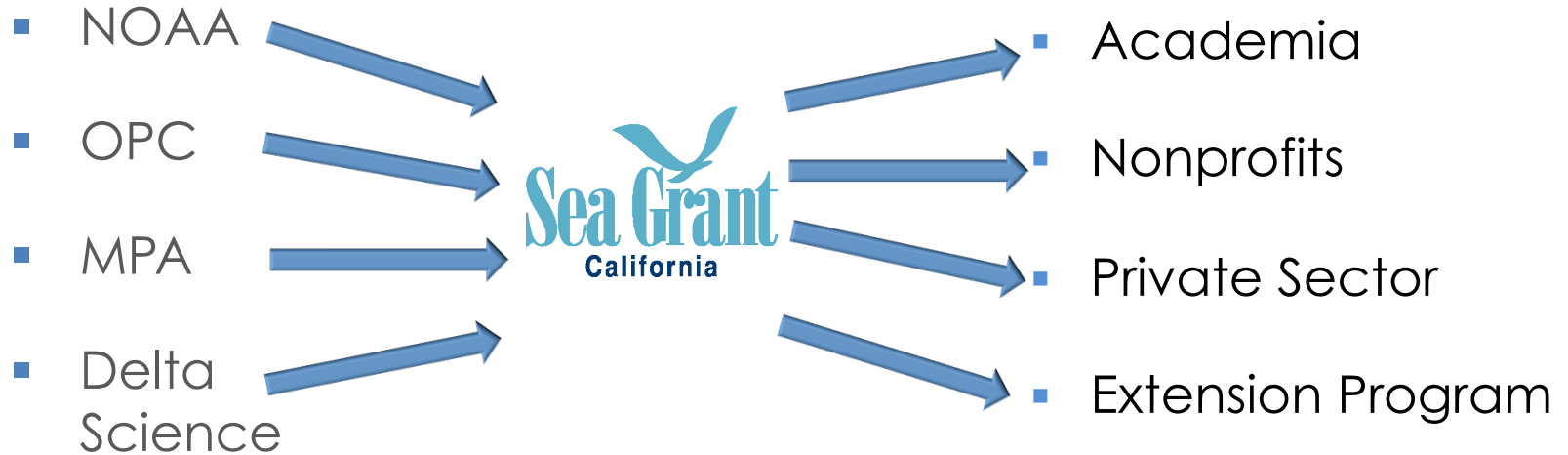
Image IBCAO
Image © 2009 DigitalGlobe
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2009 TerraMetrics
lat 43.669640° lon -111.453240°

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Eye alt 7131.32 km



\$\$ Funding Sources





2010–2013 CASG Strategic Focus Areas

- Healthy Coastal and Marine Ecosystems
- Resilient Coastal Communities*
- Safe and Sustainable Seafood Supply
- Effective Response to Climate Change
- New Technologies and Products



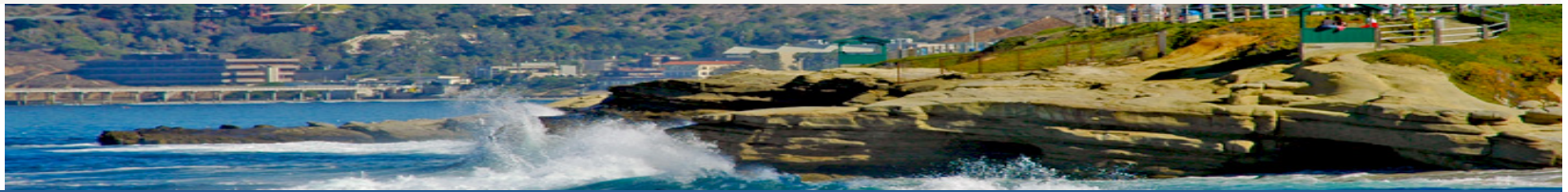
CASG Funding Opportunities

- **California Sea Grant** – Core RFP in odd years in late January, for 2- or 3-year awards up to \$125K/y plus graduate trainee, start the following Feb., ≈12-15 awards
- **CASG Focused Awards** – RFP in even years, ≈\$30K (limit TBD) plus trainee for one-year award starting in odd years (next RFP late January 2012). Topics may be restricted.
- **California Ocean Protection Council (OPC)** –simultaneous with core RFP, **future funds uncertain**
- **MPA Baseline Programs**, Marine Life Protection Act – South Coast program recently awarded. North Coast RFP hopefully soon



CASG Funding Opportunities cont'd

- **Marine Policy Fellowships** – State (~\$34K, due in Sept); and federal **Knauss** (\$38K + health, travel, due next Feb)
- **Delta Science Fellows Program** – Pre-doctoral and post-doctoral fellowships, multi-year, work on SF Bay-Delta science problems (next RFA anticipated spring 2012)
- **Program Development** – Accepted ongoing, up to \$10K, one year, must be time-sensitive or meet other listed criteria*



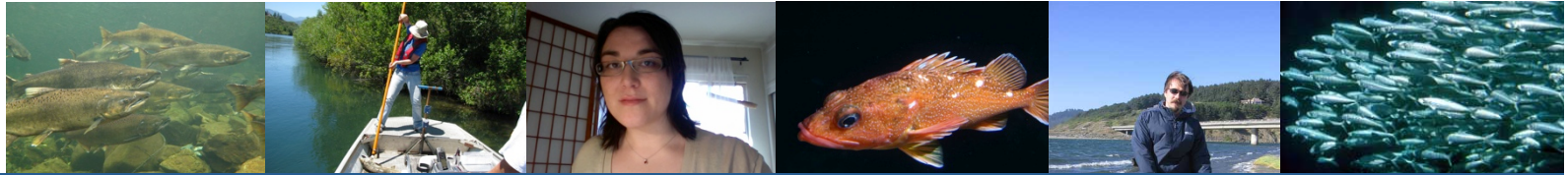
Potential RFPs

- **Collaborative Fisheries Research** – OPC plans to contract with CASG in 2011 to oversee RFP process to support CFR projects (\$1M approved at Nov. 2010 OPC meeting)
- **National Strategic Initiatives** – National RFPs on selected topics issued by National Sea Grant Office (West Coast regional Social Science a recent example)



CASG Trainee Program

- **Associated with CASG research projects**
- Provides 50%-time support for graduate students
- One trainee per project
- Stipend added to research award
- Over 1,000 traineeships awarded since 1968



NMFS–SG Graduate Fellowships

- **Population Dynamics & Marine Resource Economics**
- For PhD students interested in careers in population dynamics or assessing the economics of conservation and management of living marine resources
- National competition – Applications solicited and collected through state SG programs; 2 fellowships awarded annually nationwide in each subject
- Fellows work on thesis problems of public interest and relevance to the NOAA's National Marine Fisheries Service (NMFS)
- Academic mentor
- NMFS mentor at NMFS Science Centers or Laboratories
- Fellows from CASG to date: 12



Knauss Fellowships

- Established by National Sea Grant Program in 1979 to provide unique educational experience to students who have an interest in marine/ocean/Great Lakes resources and in the national policy decisions affecting those resources.
- Provides a one-year paid fellowship in a Washington D.C. in legislative branch (10 fellows) or executive branch (35 fellows)
- Applicants near completion of MS, PhD or JD in marine or aquatic-related field are eligible
- National competition – Up to 6 nominees per state SG program



CASG State Fellowships

- Modeled after the Knauss Fellowship Program
- Provides a one-year fellowship in a California state or federal agency to learn about implementation of marine policy in CA
- Recently finished MS, PhD or JD students in marine or aquatic-related field at CA universities are eligible
- 61 State Fellows since program inception in 1988

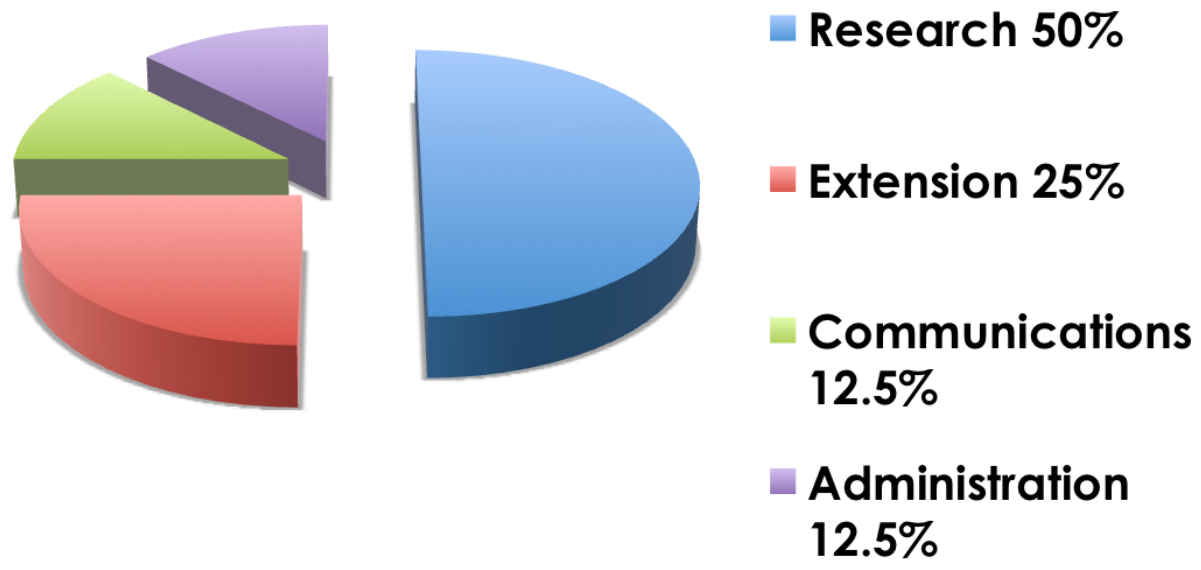


John D. Isaacs Undergraduate Research Assistant Program

- CASG principal investigators may apply for one Isaacs Research Assistant Grant each summer
- Provides undergraduate students interested in marine science with summer research experience
 - Opportunity to work closely with established marine scientists
 - Develop research skills
 - Better define their academic and career goals in marine science
- CASG provides financial support for up to 6 undergraduate assistants each summer
- Isaacs Undergraduate RA's to date: 23

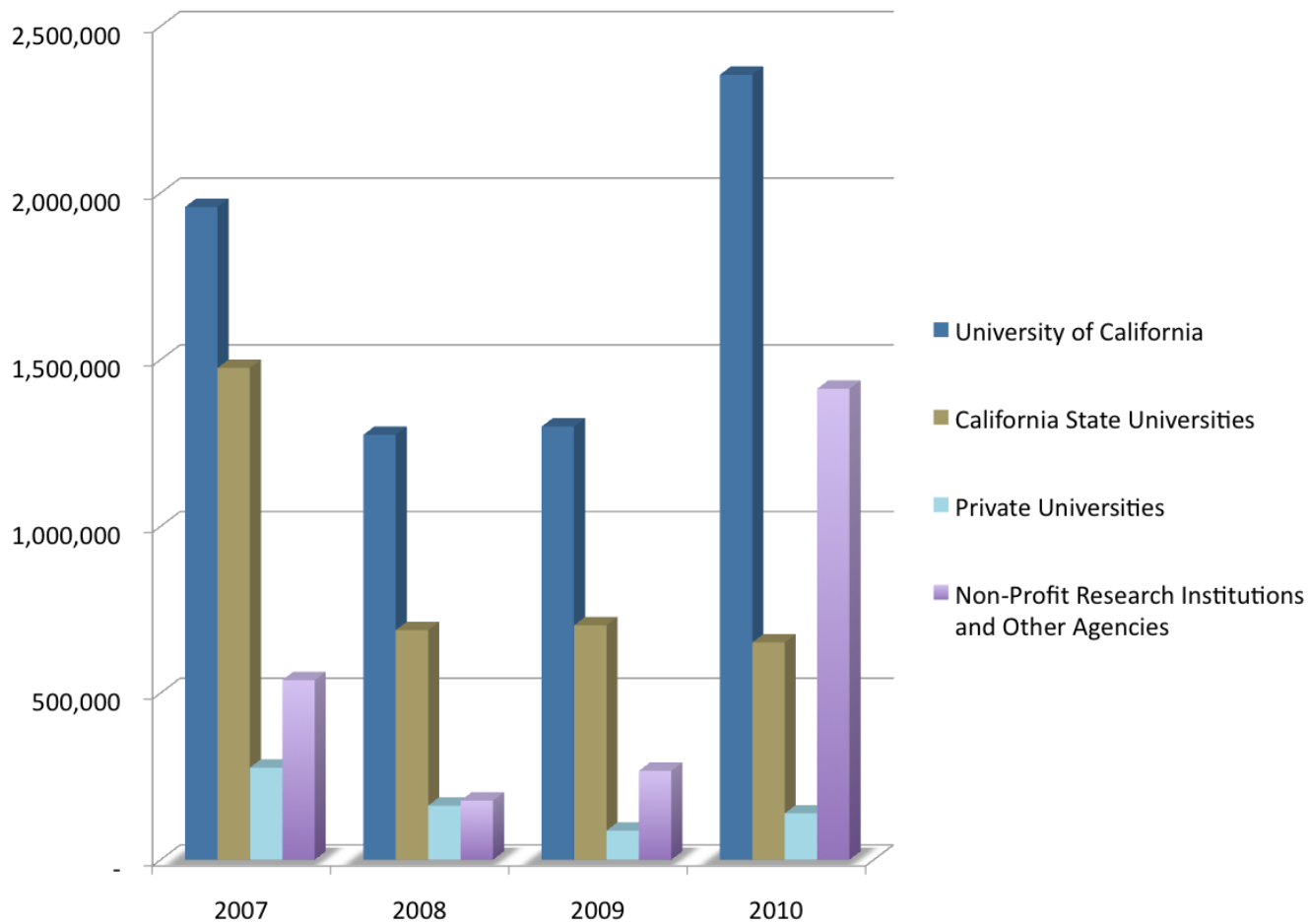


CASG Core Funding Allocation





CASG 4-Yr. Research Funding

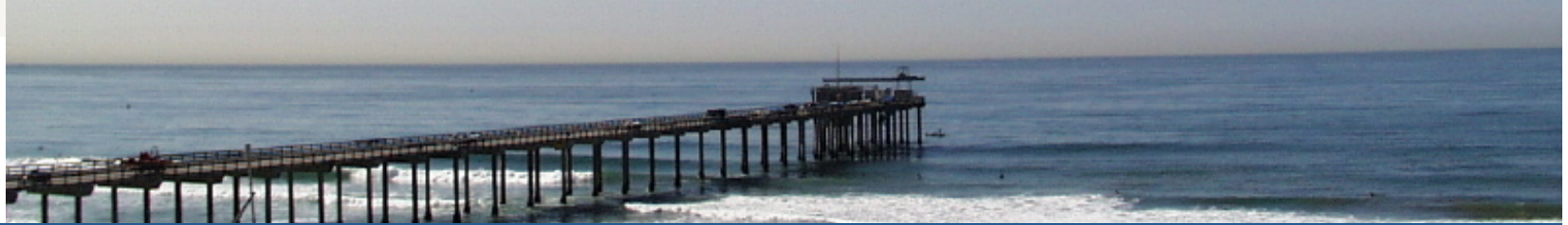




Research Funding by Campus

Research Funding Summary - SG Core Federal, OPC, MPA

	2007	2008	2009	2010	% of Total
By Campus					
University of California	1,957,722	1,274,316	1,299,107	2,354,307	51%
Davis	185,216	379,837	393,391	495,967	
Los Angeles	151,902	-	-	76,959	
Riverside	-	41,746	40,036	-	
Santa Barbara	371,236	225,547	224,201	283,016	
Santa Cruz	658,420	92,813	74,782	798,397	
San Diego	590,948	534,373	566,697	699,968	
California State Universities	1,474,885	688,443	702,614	651,104	26%
Humboldt	-	-	58,282	88,516	
San Diego	220,561	156,125	75,001	75,526	
San Jose/Moss Landing	1,084,019	348,449	246,854	124,681	
Long Beach	130,274	154,935	123,426	-	
Monterey Bay	-	22,125	21,290	143,650	
San Marcos	-	-	177,761	106,271	
Sonoma	40,031	6,809	-	112,460	
Private Universities	276,041	161,944	86,705	138,751	5%
Non-Profit Research Institutions and Other Agencies	538,458	177,090	266,315	1,412,257	18%
ANNUAL TOTALS	4,247,106	2,301,793	2,354,741	4,556,419	



For more information:

www.csgc.ucsd.edu

- Summary of new and on-going research projects
 - Program Directory
- Summaries of finished projects
 - Project Profiles
 - California Sea Grant Newsletter
- Details on current and past RFPs and RFAs
 - Website, under “Funding” and “Education” tabs