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

Research

Communication

Administration

Extension

Education

Communication
Funding Sources

- NOAA
- OPC
- MPA
- Delta Science
- Academia
- Nonprofits
- Private Sector
- Extension Program
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
o **Marine Policy Fellowships** – State (~$34K, due in Sept); and federal **Knauss** ($38K + health, travel, due next Feb)

o **Delta Science Fellows Program** – Pre-doctoral and post-doctoral fellowships, multi-year, work on SF Bay-Delta science problems (next RFA anticipated spring 2012)

o **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

- Research 50%
- Extension 25%
- Communications 12.5%
- Administration 12.5%
CASG 4-Yr. Research Funding

- **University of California**
- **California State Universities**
- **Private Universities**
- **Non-Profit Research Institutions and Other Agencies**
### Research Funding Summary - SG Core Federal, OPC, MPA

<table>
<thead>
<tr>
<th>By Campus</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>% of Total</th>
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<tbody>
<tr>
<td>University of California</td>
<td>1,957,722</td>
<td>1,274,316</td>
<td>1,299,107</td>
<td>2,354,307</td>
<td>51%</td>
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<td>Davis</td>
<td>185,216</td>
<td>379,837</td>
<td>393,391</td>
<td>495,967</td>
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<tr>
<td>Los Angeles</td>
<td>151,902</td>
<td>-</td>
<td>-</td>
<td>76,959</td>
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<tr>
<td>Riverside</td>
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<td>41,746</td>
<td>40,036</td>
<td>-</td>
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<tr>
<td>Santa Barbara</td>
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<td>225,547</td>
<td>224,201</td>
<td>283,016</td>
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<tr>
<td>Santa Cruz</td>
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<td>San Diego</td>
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<td>566,697</td>
<td>699,968</td>
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<td>California State Universities</td>
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<td>688,443</td>
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<td>651,104</td>
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<tr>
<td>Humboldt</td>
<td>-</td>
<td>-</td>
<td>58,282</td>
<td>88,516</td>
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<tr>
<td>San Diego</td>
<td>220,561</td>
<td>156,125</td>
<td>75,001</td>
<td>75,526</td>
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<tr>
<td>San Jose/Moss Landing</td>
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<td>348,449</td>
<td>246,854</td>
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<tr>
<td>Long Beach</td>
<td>130,274</td>
<td>154,935</td>
<td>123,426</td>
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<tr>
<td>Monterey Bay</td>
<td>-</td>
<td>22,125</td>
<td>21,290</td>
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<tr>
<td>San Marcos</td>
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<td>Sonoma</td>
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<td>6,809</td>
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<td>Private Universities</td>
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<td>Non-Profit Research Institutions and Other Agencies</td>
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**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