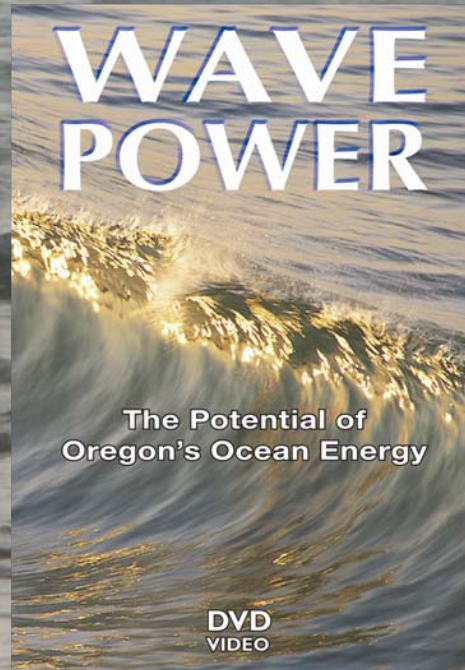


Oregon Sea Grant Mission

Coastal Science Serving Oregon



What is Oregon Sea Grant?

- **A statewide integrated program of research, outreach, and education that helps people understand, rationally use, and conserve marine and coastal resources.**

Our activities respond to the needs of ocean users and act to stimulate the Oregon economy.

State-Federal Partnership



Program History

**National Sea Grant
Act 1966**

**Oregon Sea Grant
began in 1968**

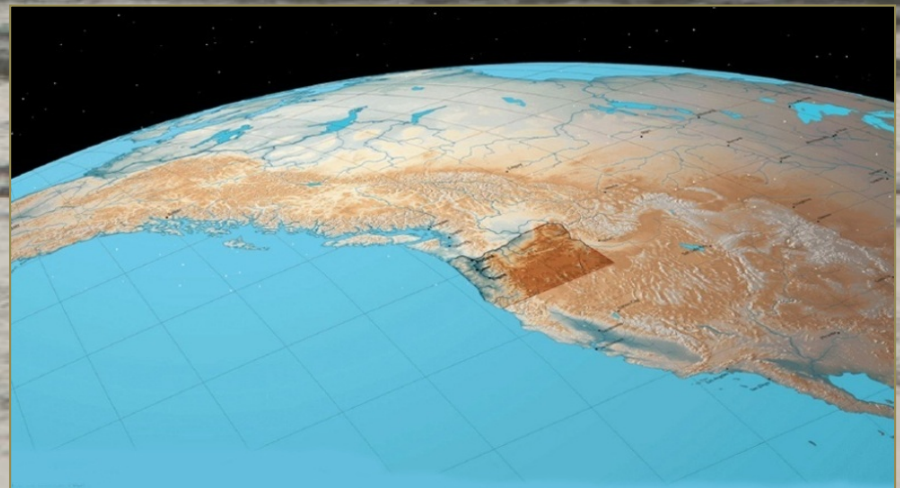
**OSU achieves Sea
Grant College
Status 1971**

Oregon Sea Grant



Coastal Science Serving Oregon

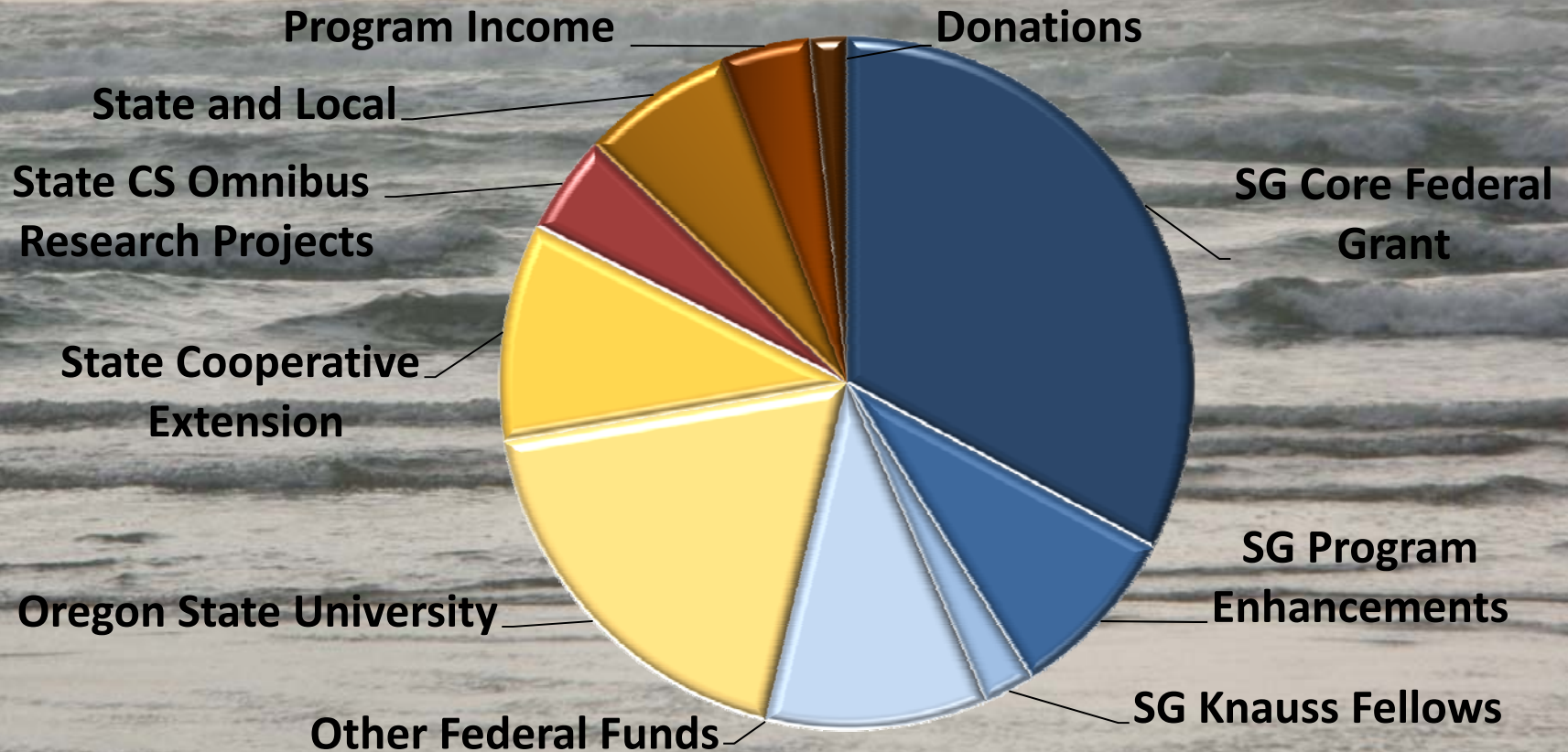
- Improving Human Health and Safety Related to Ocean and Coastal Use
- Promoting Social Progress and Economic Vitality
- Enhancing the Sustainability of Coastal Ecosystems



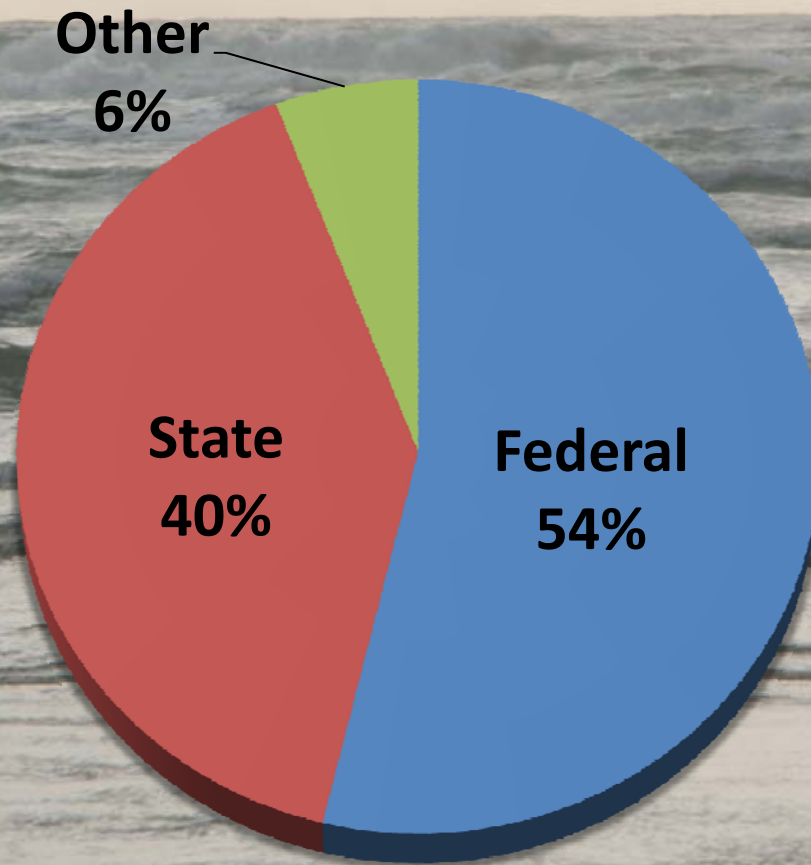
Key Program Elements

- **Headquartered at OSU**
- **Fund researchers throughout Oregon**
- **Geographic scope is entire state with concentration on coastal and coastal-adjacent areas**
- **Part of NOAA and connected to the National Sea Grant Network of 30 programs.**
- **Regional Partnerships in place to address those issues that can only be dealt with regionally.**

2009 Oregon Sea Grant Funding Sources



2009 Oregon Sea Grant Funding by Source



Criteria for Setting Priorities

Primarily Statewide and regional needs

- Through assessment workshops and surveys**
- Regional Research and Information Needs report**

Alignment with National Sea Grant and NOAA priorities (involved with setting these through the network).

Citizen Advisory Council

Provides a consistent, important, and formal source of advice and guidance for OSG on:

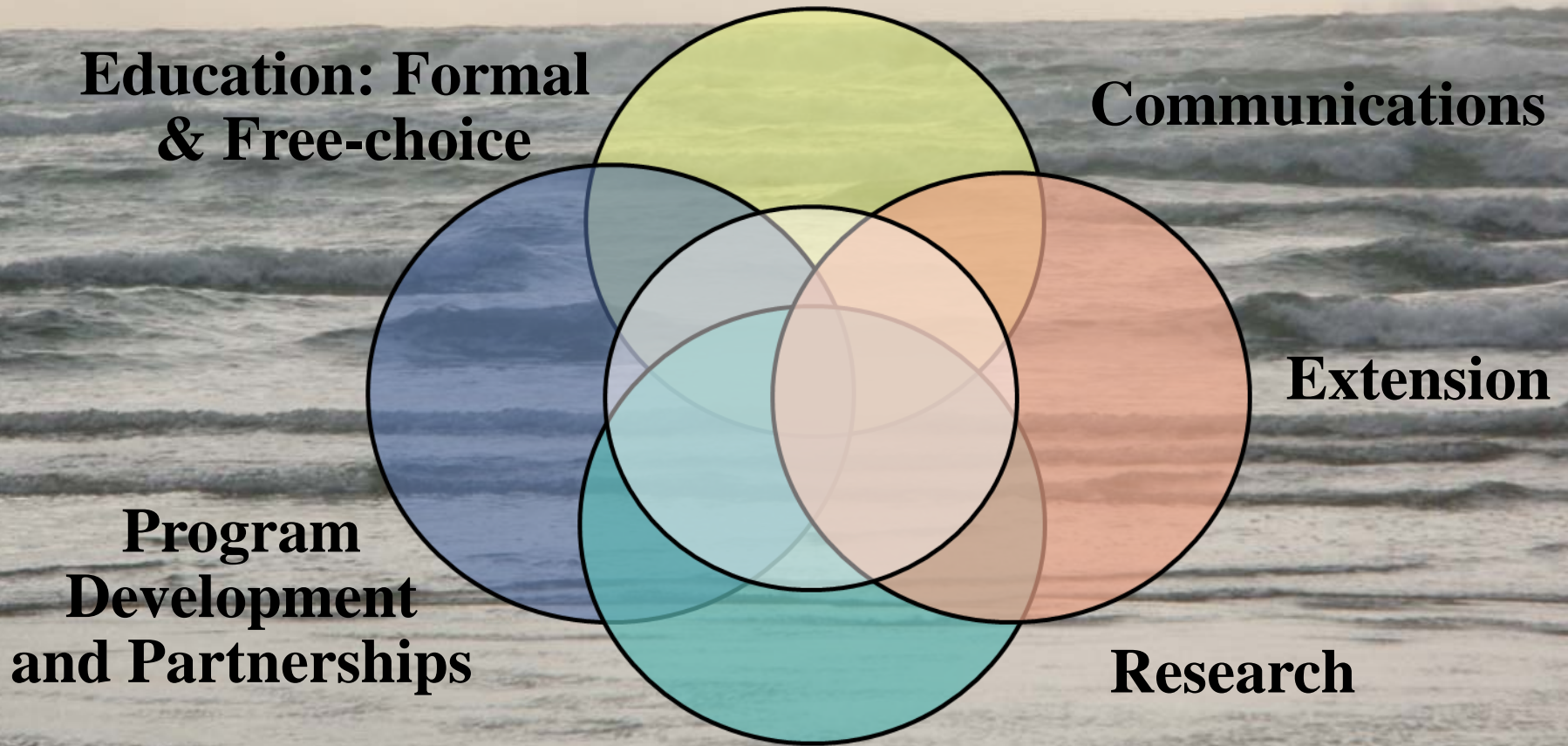
- **Strategic plan**
- **Research proposals**
- **Staffing needs**
- **Partnerships**

The Council meets about 3 times year.

Key Issue Areas:

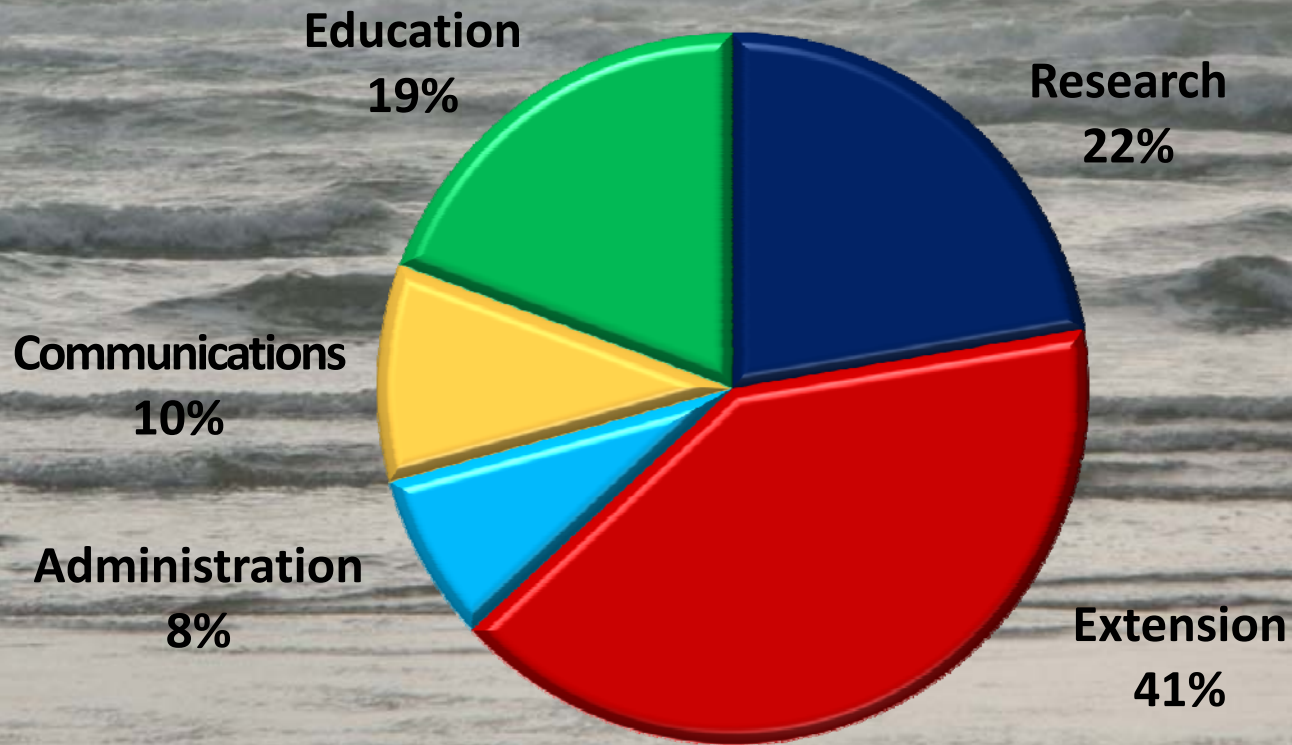
- **Multiple Uses and Spatial Planning**
- **Oceans and Human Health**
- **Watersheds and Water Resources**
- **Community Resilience to Coastal Hazards and Climate Change**
- **Fisheries and Seafood**
- **Coastal Learning and Decision Making**

Oregon Sea Grant



2009 Oregon Sea Grant Program Elements

\$7.1M



Competitive Research

- Two main criteria:**
- **Societal relevance**
 - **Scientific excellence**



2010 RFP Process

☐ Pre-proposal review process

- ☐ An external review of scientific quality;
- ☐ A Sea Grant and Advisory Council review to examine project societal relevance and recommend project elements to improve relevance, transition of results to the public; and impact

☐ Full proposal stage includes:

- ☐ A key outreach or education point-of-contact devoted to each project to assist in development of meaningful outreach components.
- ☐ External Mail Reviews (3 – 5 per proposal)
- ☐ Eight member Science Panel to evaluate proposals largely for scientific excellence
- ☐ Advisory Council to rate societal relevance of top ranked proposals.

Research Proposal Reviews Timeline

Preliminary proposals due: February 6

Invitations for full proposals: March 6

Full proposals due: May 8

Peer review period: May 9 to July 30

Reviews to investigators: July 31

Investigator responses to reviews due: August 7

Science Panel meeting: August 12 – 13

Advisory Council meeting: August 20 – 21

Notice of funding decisions: September 4

Successful projects begin: Feb 1, 2010

2010 – 2011 Projects

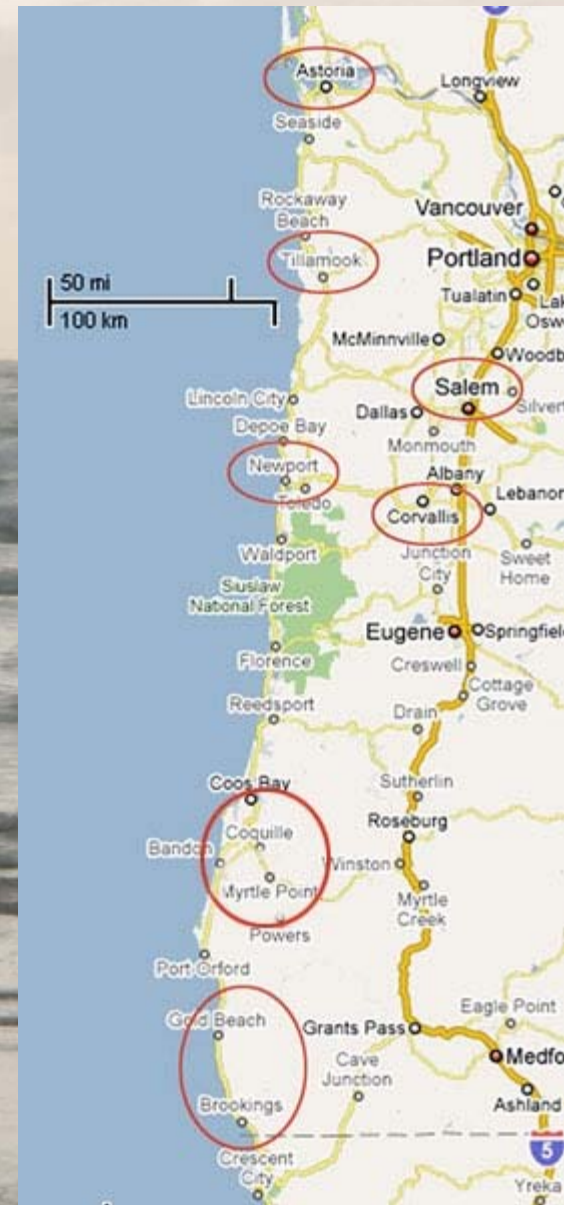
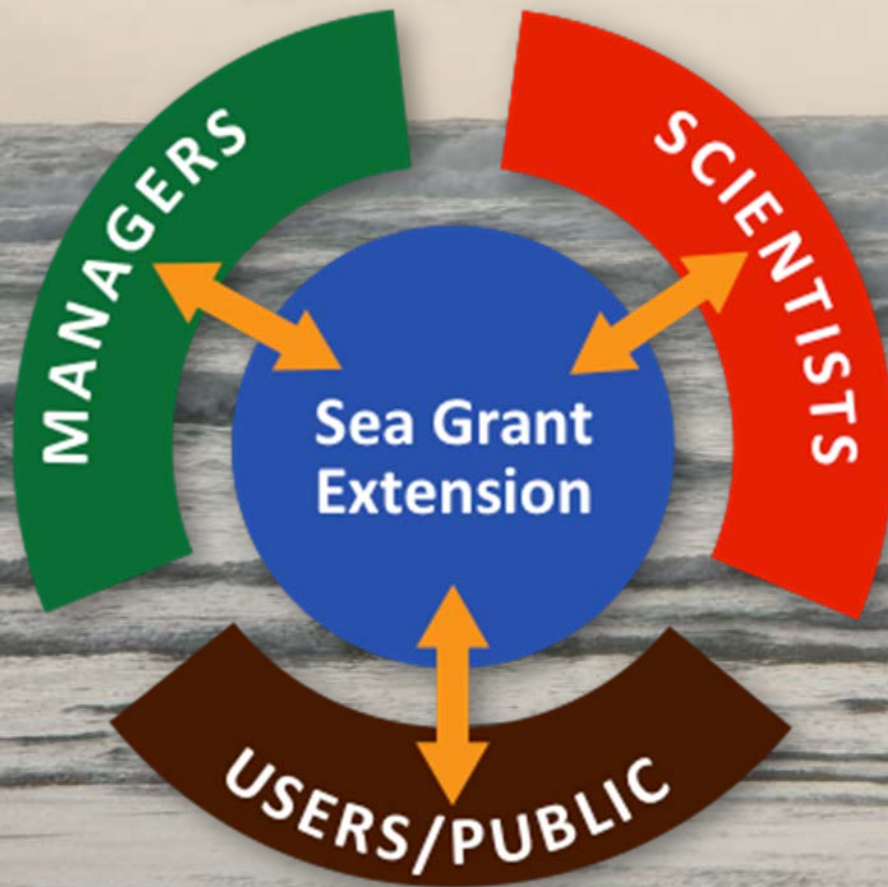


- Tsunami prediction
- Climate change/salmon parasite
- Natural products from the sea
- Humbolt Squid
- Hypoxia
- Dike removal/wetlands
- Nearshore Wave Predictions
- Ecosystem services/marine resources
- Invasive Species
- Vibrio/shellfish

Linkage of Science to Management

- Only fund science with relevance
- PIs required to demonstrate how they will conduct needed outreach and transition results to management.
- Extension agents as POC on research projects and linked into local management structures

Sea Grant Extension: Trusted Broker



Sea Grant Extension:

- Assess stakeholder needs for scientific information
- Translate and communicate scientific information to decision-makers and stakeholders in useful formats
- Bring stakeholder parties together face-to-face, to foster trust and mutual understanding and ensure that everyone's interests are fairly represented
- Facilitating collaboration, to foster transparent dialogue and effective working relationships



Sea Grant Education

- **HMSC Visitor Center and K-12 Marine Education Programs**
- **Free-Choice Learning Initiative**
- **Graduate and Undergraduate Fellowships**
- **Ornamental Fish Health Program and Aquarium Science Associate Degree Program**



Major Partners

- Extension Service – OR, WA, UC
- Governor's Natural Resource Office
- KMUN & KAST Radio
- Lincoln County School District
- National Marine Fisheries Service
- NOAA Climate Office
- NOAA Education Office
- Ocean Policy Advisory Council
- Ontario Ministry of Natural Resources
- Oregon Coast Aquarium
- Oregon Coast Community College
- Oregon Coast Watershed Associations
- Oregon Coastal Caucus
- Oregon Coastal Zone Management Assn.
- Oregon Commodities Commissions
- Oregon Dept. of Fish and Wildlife
- Oregon Invasive Species Council
- Oregon Institute of Marine Biology
- Oregon Public Broadcasting
- Oregon State Legislature Coastal Caucus
- Oregon Water Enhancement Board
- Oregon Water Resources Dept.
- Oregon Wave Energy Trust
- Seafood Consumer Center
- Sea Dwelling Creatures
- Sea Grant Programs at WA, CA, USC, FL, Ill, IN, MO, ME
- Soil and Water Conservation Districts
- South Slough National Estuarine Reserve
 - a NOAA partner
- U.S. Bureau of Land Management
- University of California @ Berkley
- Yurok, Karuk, Siletz, Warm Spring, Grand Rhonde Tribes

Partnership Projects: Agencies

Department of State Lands (DSL), Department of Fish & Wildlife (ODFW)

Marine reserves and Coastal community engagement through listening and learning
[Goblirsch, Feldner]

Department of Land Conservation and Development (DLCD)

Wave energy [Conway, Hildenbrand]

Community preparation for climate change [Cone, Corcoran]

Coastal erosion video (*Living on the Edge*) [Cone]

Department of Agriculture

Invasive species education and outreach [Chan]

Oregon Innovation Council, Oregon Watershed Enhancement Board

FishTrax—genetics, geography, chain of custody, consumer [Feldner]

Department of Education Math and Science Partnership

Develop, implement, and evaluate teacher professional development and student learning experiences with a focus on Ocean Literacy and Aquatic and Marine Science [Rowe, Hunter, Crews]



Coordination Functions

- **Ocean Policy Advisory Council, Scientific and Technical Advisory Committee (*chair*)**
- **Oregon Invasive Species Council (*statutory member*)**
- **Researchers across the state through research competition**
- **Regional and national via Sea Grant and NOAA**

Coordination Functions: OSU Marine Council

Membership: 18 Deans, Directors, Department heads of marine-related entities at OSU

Objectives:

- Provide integrated and coordinated approaches that span research, education, outreach, partnerships, state and federal legislation, advancement, fund raising, and facilities to address key marine issues and opportunities;
- Provide an initial point of contact on marine issues;
- Increase external partnerships
- Identify emerging opportunities
- Enhance marine facilities
- Enhance outreach/engagement to serve state, regional and stakeholder needs.

Data Collection, Sharing and Infrastructure

- **Through our researchers**
- **Publications online library**
- **Accessible website**

Strengths

- **Long-standing well supported program**
- **Partnerships (fed, state, universities, local, other SG programs)**
- **Integrated research, extension, education and communications (have all the pieces).**
- **Neutrality (ability to bring broad range of partners together without taking positions on issues – our role is as trusted broker)**

Strengths

- **Nimbleness – ability to create new initiatives with new funds quickly**
- **Breadth – faculty in 7 colleges (over a dozen Departments)**
- **Competitive research selection process – fund only projects of both scientific excellence and societal relevance.**
- **Strong evaluation – adaptive and constantly improving methods of research selection, education, communication and community engagement.**

Weaknesses

- **Sea Grant itself is Data Poor and Equipment poor in terms of research, computer infrastructure, etc.**
- **Need greater recognition of statewide roles and responsibilities (not just OSU)**



Oregon Sea Grant

Oregon State University

322 Kerr Administration Building

Corvallis OR 97331-2131 541

737-2714

<http://seagrants.oregonstate.edu>

Questions?

Oregon Sea Grant Summary

- **Pre-eminent marine research enterprise funding research throughout Oregon**
- **Address issues of high importance and societal relevance in an integrated way**
- **Guided by an ethic of public service supported by cadre of professional communicators, educators, and Extension faculty**
- **Trusted brokers of information**

National Sea Grant Priorities

2009–13 Four Focus Areas:

Hazard-resilient Coastal Communities

Healthy Coastal Ecosystems

Sustainable Coastal Development

Safe, Sustainable Seafood Supply

Cross-cutting Themes:

Better understanding of human-ecosystem interactions

More knowledgeable citizens

Improved management and decision-making



Strengths

- Fellowships
- Hatfield Visitors center
- Education Programs
- Close ties to coastal communities
- Regional/national network
- Statewide university responsibilities
- Can serve as a catalyst for new ideas

Areas to Cover

- (1) Geographic area the program covers
- (2) Program history (legislative authority and dates created)
- (3) Funding sources/level
- (4) Key program elements
- (5) Coordination functions
- (6) Linkage of science and management
- (7) Data collection/sharing/infrastructure
- (8) Criteria for setting priorities
- (9) Assessment of strengths and weaknesses

Other Partnerships: Fellowships

Supported Current Fellowships:

Oregon Legislative Fellowship

Anna Pakenham (with Coastal Caucus)



Oregon Sea Grant Natural Resource Policy Fellowship

Juna Hickner (with ODFW)

Oregon Water Resources Department and Sea Grant

Extension Well Water Resources Fellowship

Abby Brown (with OWRD)

OSU Marine Council

Members of the Marine Council:

Director, Oregon Sea Grant Program

Director, Cooperative Institute for Marine Resources Studies

Director, Hatfield Marine Science Center

College of Oceanic and Atmospheric Sciences

Dean

Director, Marine Resource Management

Director, Cooperative Institute for Oceanographic Satellite Studies

College of Agricultural Sciences

Dean

Director, Marine Mammal Institute

Superintendent, Coastal Oregon Marine Experiment Station

Department Head, Fisheries and Wildlife

College of Science

Dean

Department Head, Zoology

College of Engineering

Dean

Director, Hinsdale Wave lab

Director, Northwest National Marine Renewable Energy Center

College of Forestry

Dean

College of Veterinary Medicine

Chair, Biomedical Sciences

Vice President for Research

Vice Provost for University Outreach and Engagement

Cross-cutting Themes:

- Better understanding of human-ecosystem interactions
- More knowledgeable citizens
- Improved management and decision-making



Leadership: OSU and Sea Grant



Research Proposal Reviews

Summary

We received 63 preliminary proposals by 58 different investigators from 6 different Oregon institutions.

We encouraged 30 to submit full proposals.

We received 31 Full Proposals by 30 different investigators from six different institutions.

	<u>Sea Grant</u>	<u>Cost Share</u>
Preliminary Proposal total request:	\$9.77M	\$2.63M
Full Proposal total request:	\$5.65M	\$1.81M