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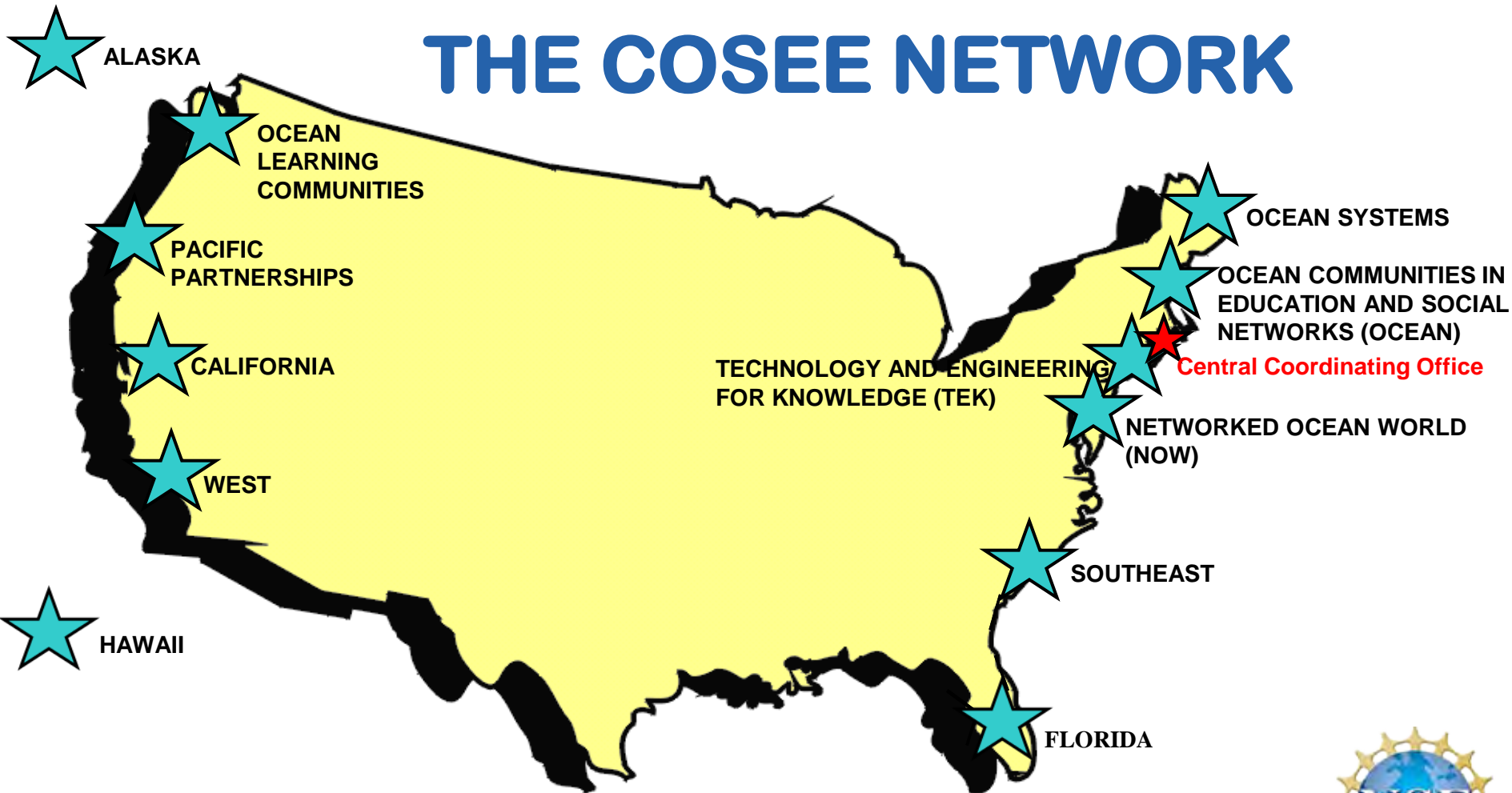
COSEE

**CENTERS FOR OCEAN SCIENCES
EDUCATION EXCELLENCE**

Jan Hodder

**Director COSEE-Pacific Partnerships
Oregon Institute of Marine Biology
University of Oregon**

THE COSEE NETWORK





CENTERS FOR OCEAN SCIENCES
EDUCATION EXCELLENCE

**The mission of the COSEE
Network is to engage scientists*
and educators** to transform
ocean sciences education.**

**Scientists = grad students - full professors*

***Educators = formal and informal education*





CENTERS FOR OCEAN SCIENCES
EDUCATION EXCELLENCE

Each Center works to:

- Engage ocean scientists and assist them with developing strong broader impacts of their research
- Foster the integration of ocean research into high quality education materials
- Enhance the capacity of educators to deliver high quality ocean science programs
- Promote a deeper understanding of the ocean





CENTERS FOR OCEAN SCIENCES
EDUCATION EXCELLENCE

COSEE Network Activities that Broaden Participation and Enhance Geoscience Education in the Two-Year Colleges





Pacific Partnerships

CENTER FOR OCEAN SCIENCES
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SEARCH

ABOUT US

Welcome to COSEE-Pacific Partnerships, a regional Center in the COSEE Network based at marine laboratories in Oregon, Washington, California, & Hawai'i. Our goal is to integrate research & education for community colleges & informal science education professionals & volunteers.

[MORE](#)

FEATURE STORY



Focus on... COSEE-Pacific Partnerships

Read about COSEE-Pacific Partnerships' programs for community college faculty and students in the September issue of the COSEE Network Newsletter.

[MORE](#)

NEWS

Focus on... COSEE-Pacific Partnerships

Read about COSEE-Pacific Partnerships' Community College Programs in the September Issue of the COSEE Network News. ▶

COSEE-Pacific Partnerships
PRIME 2009



[MORE](#)

FOR COMMUNITY COLLEGE



Summer internships in marine research and education for community college students

Professional development for community college faculty

[MORE](#)

FOR INFORMAL EDUCATORS



Coastal Master Naturalist Program for volunteers - Learn about the coast and ocean!

Professional development opportunities for informal education professionals

[MORE](#)

FOR SCIENTISTS



Interested in education and outreach or need help with your broader impacts proposal

development? Find out how COSEE-Pacific Partnerships can assist you.

[MORE](#)



Marine Laboratory Partners

Oregon



Washington



California



Hawai'i



Informal Science Education Partners

OREGON COAST
AQUARIUM



SOUTH SLOUGH
National Estuarine Research Reserve

Community College Faculty and Students

Week long professional development workshops for community college faculty taught by scientists

Workshops can be topical

2010 – **Oceanography** – Hatfield Marine Science Center, OR
2011 – **Microbial Biology** - Kewalo Marine Lab, HI



Week long professional development workshops for community college faculty taught by scientists

Workshops can focus on regional ocean topics

2010 – **Marine Biology of the Pacific Northwest**

– Oregon Institute of Marine Biology, OR

2011 – **Puget Sound Ocean Issues** - Shannon Point Marine
Center, WA



COSEE PACIFIC
CENTERS FOR OCEAN SCIENCES PARTNERSHIPS
EDUCATION EXCELLENCE

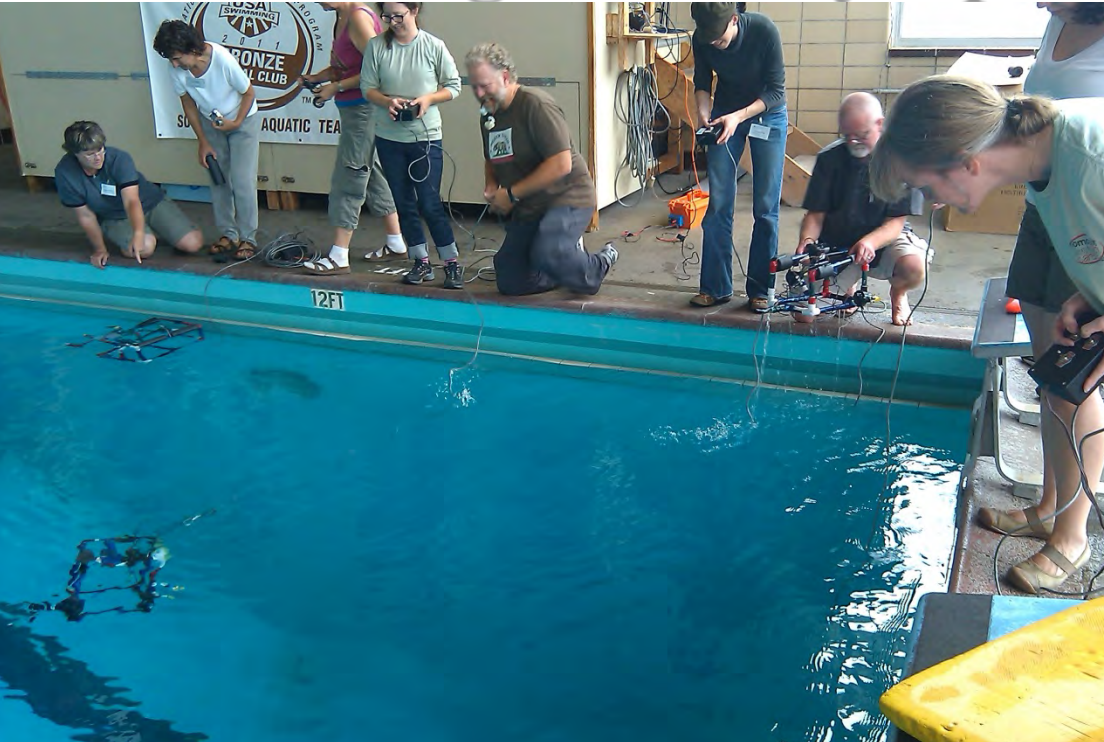
Community college faculty working directly with ocean scientists



Discussions on how the material can be used in the community college classroom



Constructing Remotely Operated Vehicles-ROVs



Summer 2012

COSEE – PP Community College Faculty Workshops

Shannon Point Marine Center,
Western Washington University, WA:

Oceanography – targeted for community college faculty who teach this topic.

Kewalo Marine Laboratory, University of Hawaii:

Fishery Populations and Connectivity – targeted for community college faculty from the Pacific Islands.

Workshops at meetings attended by community college faculty

Northwest Biology Instructors Meeting

NWBIO 2009 - Rocky Intertidal Biology



NWBIO 2010 – Aquaculture



NWBIO 2011 – Avian predation in the Columbia

COSEE – Pacific Partnerships List Serve

Used to share information useful for ocean science education with and between community college faculty

TOPICS INCLUDE:

- Current Geoscience Events: e.g. Visions 11 cruise, Japanese tsunami, Gulf oil spill
- Professional development and funding opportunities
- New ocean science content
- Curriculum resources

The PRIME Program

Promoting Research Investigations in the Marine Environment

An Eight Week Summer Internship Program Based at
Marine Laboratories for Community College Students

Oregon Institute of Marine Biology, University of Oregon,
Hatfield Marine Science Center, Oregon State University
Shannon Point Marine Center, Western Washington University
Kewalo Marine Laboratory, University of Hawaii
(2008 – 2011 = 31 students)

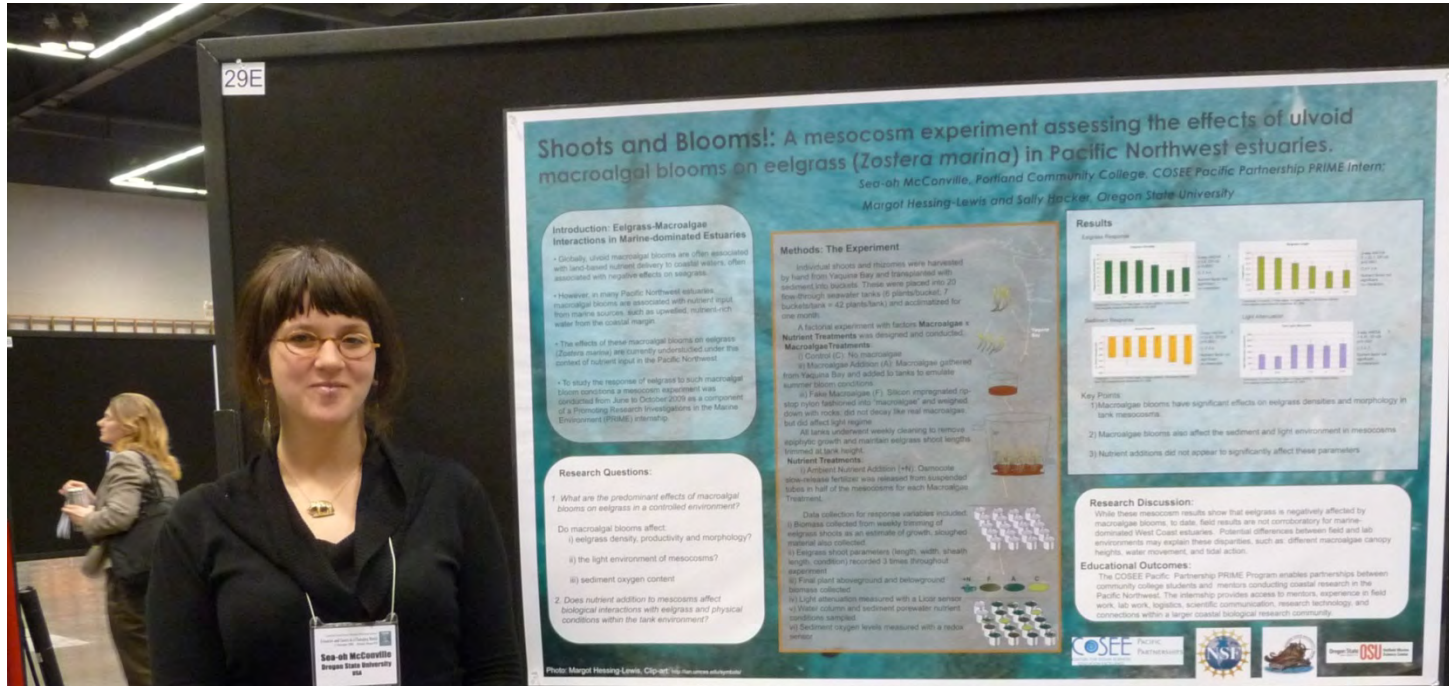


PRIME is designed to give community college students the opportunity to develop research through hands-on experience working with marine scientists.

Eight weeks
\$2,000 stipend
Housing at marine lab
Participation in research seminars
PRIME program activities



Follow up support for community college students



Sea'oh McConville, COSEE PRIME intern from Portland Community College, presenting at the 2010 Coastal and Estuarine Research Federation Conference

BOBS - BASIC OBSERVATION BUOYS

A BOB is a floating platform which carries environmental sensors:

- Conductivity/salinity
- Dissolved oxygen
- pH
- Chlorophyll A
- Turbidity
- wind speed and other meteorological parameters
- Settling panels



CoSEE
CENTERS FOR OCEAN SCIENCES
EDUCATION EXCELLENCE

Networked Ocean World

Linking ocean scientists and educators in the real and virtual world



Marine Advanced Technology Education Center



MATE Ocean Drifter Project



MATE
MARINE ADVANCED TECHNOLOGY EDUCATION CENTER

Real Time Data in the Community College Classroom





*Send
us your
Comments!*

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Thanks to the COSEE Network Members who contribute to this work:

COSEE Pacific Partnerships

Jan Hodder, University of Oregon Institute of Marine Biology

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COSEE California

Deidre Sullivan, Marine Advance Technology Education Center, Monterey Peninsula College

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