



COSEE

**CENTERS FOR OCEAN SCIENCES
EDUCATION EXCELLENCE**

COSEE Decadal Review Meeting 12 July 2011



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COSEE Achieving its Goals & Mission Review of Accomplishments 2002-2011

“These Centers for Ocean Science Education Excellence (COSEE):

- foster the integration of ocean research into high quality educational materials,*
- allow ocean researchers to gain a better understanding of educational organizations and pedagogy,*
- provide educators with an enhanced capacity to understand and deliver high-quality educational programs in the ocean sciences,*
- provide material to the public that promotes a deeper understanding of the ocean and its influence on each person’s quality of life and our national prosperity.”*



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Essential Focus, Make-up, and Center Activities

- Regional or Thematic – primarily catalytic
- Three Essential Partners –
 - 1) ocean science research institutions;
 - 2) informal education institutions;
 - 3) formal educational institutions;
- Center Activities – initially 10 listed
- *Demonstration of the resources and expertise to use evaluation paradigms to promote COSEE goals.*

Big First Steps not only to set up own Centers, but to establish the Network - with coordination by the CCO at CORE/COL now NCO at URI

First very MAJOR Accomplishment.



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COSEE Mission: *Engaging scientists and educators to transform ocean sciences education for all*

- **Bringing current scientific research into education**
- **Broadening the impact of ocean sciences research**
- **Actively engaging scientists in the education process**
- **Bringing the nature of science to education**
- **Presenting the ocean in an Earth system perspective**
- **Engaging informal and formal education and public audiences in the ocean science enterprise**



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Center and Network Accomplishments

- *Education and Public Outreach: A Guide for Scientists*
- Ocean Literacy Essential Principles and Fundamental Concepts – Great Lakes Literacy Principles
- COSEE coordinated presence at National Scientific and Education Society Meetings
- COS and COSIA Courses – COSIEN



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COSEE Accomplishments continued

- Concept Mapping Tools and Workshops
- Broadening Participation
- COSEE.net –
dissemination of COSEE resources
- Communities of Practice within COSEE



COSEE Accomplishments continued:

- **Dissemination/ Engagement in Ocean Observing Systems - tools, data**
- **Leveraging Funding and Developing Corporate and Foundation Partnerships to sustain programs**



THANK YOU

