

COSEE NETWORKED OCEAN WORLD

- **Principal Investigator:** Janice McDonnell, Rutgers University
- **Location:** COSEE NOW is coordinated from Rutgers University in New Brunswick, New Jersey
- **Website:** <http://coseenow.net>
- **Collaborators/Partners:** Rutgers University; Liberty Science Center; University of South Florida; Marine Advanced Technology Education; and Woods Hole Oceanographic Institution
- **Co-Principal Investigators and Key Project Partners:** Scott Glenn and Oscar Schofield, Rutgers University; James Yoder and Ari Daniel Shapiro, Woods Hole Oceanographic Institution; Harold Clark, Katie Gardner and Kate Florio, Liberty Science Center; Chris Petrone and Lisa Ayers Lawrence, Virginia Institute of Marine Science; Deidre Sullivan, Monterey Peninsula College & Marine Advanced Technology Education; Liesl Hotaling, University of South Florida; Chris Parsons, Word Craft

Mission: Use cutting edge ocean research and effective education practices to inspire students and the general public in ocean exploration, discovery, and stewardship.

What We Do: COSEE NOW is invested in communicating ocean observing data to the general public by:

- Facilitating communications between educators and scientists;
- Developing new data products and professional development services to improve communications and promote collaboration;
- Utilizing the collaborations for creating quality education, public outreach and media products for use with the general public.

Who We Are: COSEE NOW consists of a team of research scientists, educators, and other experts from Rutgers University, Woods Hole Oceanographic Institution, Liberty Science Center, Virginia Institute of Marine Sciences, Monterey Peninsula College, University of South Florida, and Word Craft.

Audience: Scientists and educators with a K-16 and informal education audience.



Date Established: Fall 2007

Why We Were Established: COSEE NOW is using real time information from ocean observing systems to enhance public understanding of the ocean.

History: In 2007, COSEE NOW, commenced the investigation of strategies to provide effective communications and collaborations between scientists and educators within the ocean observing systems community. COSEE NOW continues the process of surveying and conferring with educators and scientists on their use of ocean data in an effort to improve data displays, and collaboration within the new paradigm of internet-based ocean exploration and research.



What We Offer...

COSEE NOW engages educators and scientists in a broad range of programs:

- Web-based forums, interactions and professional development
- Presentations, lectures, seminars, workshops, college courses, and regional collaborations to enhance ocean science education and increase ocean literacy
- Professional development programs for teachers that draw on scientists' expertise



- Educator-scientist interactions to enhance scientific and technological content in both formal and informal settings
- Guidance for scientists in deconstructing their science for public audiences and utilizing education and evaluation resources to improve ocean literacy for a broad range of audiences (undergraduate, K12, informal learning environments)



Example Offerings...

- Professional development in a variety of topics important to OOS professionals including marketing, data visualization, storytelling, and curriculum development with real time data
- Formal and informal curriculum/activities development: COOLClassroom
- College Courses: Communicating Ocean Science for Informal Audiences (COSIA)