



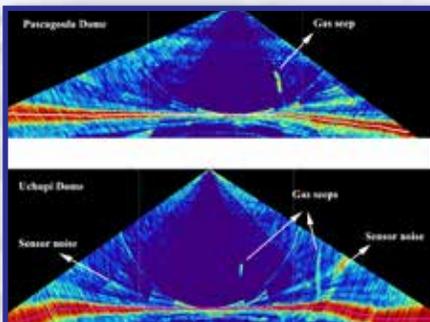
A gas capture device was added to the front of the *Little Hercules* remotely operated vehicle for several dives. Image courtesy of the NOAA *Okeanos Explorer* Program.



A collage of images from the *Okeanos Explorer* Control Room and ROV systems. Image courtesy of the NOAA *Okeanos Explorer* Program.

## How Do We Explore?

The NOAA Ship *Okeanos Explorer* is the United States' first dedicated ship for exploring our largely unknown ocean. The combination of multibeam mapping, remotely operated vehicles, oceanographic sensors, and telepresence communication technologies enables learners of all ages to participate in real time in voyages of discovery all over the world. Learn how NOAA works with ocean explorers to decide where to explore the ocean, what equipment and instrumentation is used in ocean exploration, and how ocean explorers interpret the data from the deepest reaches of the ocean floor for the purposes of discovery and the advancement of knowledge.



Water column targets (presumed gaseous seeps) detected over the Pascagoula and Uchupi dome during the Gulf of Mexico 2012 Expedition. Image courtesy of the NOAA *Okeanos Explorer* Program.



National Oceanic and Atmospheric Administration (NOAA)  
Office of Ocean Exploration and Research

[oceanexplorer.noaa.gov](http://oceanexplorer.noaa.gov)



NOAA Ship *Okeanos Explorer*: America's Ship for Ocean Exploration

Introducing *Volume 2 of the Okeanos Explorer Education Materials Collection*:

# How Do We Explore?

## Professional Development

for Educators of Grades 5-12

Saturday, March 9, 2013

8:30 am - 4:00 pm

In Partnership with and Hosted by  
Audubon Aquarium of the Americas  
New Orleans, Louisiana

This professional development introduces *Volume 2 of the Okeanos Explorer Education Materials Collection: How Do We Explore?* The NOAA Ship *Okeanos Explorer* is the Nation's first ship dedicated to solely exploring the world's ocean. Participants will learn how to use standards-based lessons and other online resources that guide classroom investigations into the innovative exploration strategies, sophisticated instrumentation and equipment used onboard the ship to explore our largely unknown world ocean. Topics include how targets are selected for exploration, mapping techniques, water column exploration, remotely operated vehicles and telepresence technology that enables access to real time ocean exploration. Participants will also learn how explorers use data gathered at target sites to learn more about our deep ocean world.

Registration is required and space is limited. Educators who attend the full day will receive a \$50 stipend. Each participant will receive *Volume 2 of the Okeanos Explorer Education Materials Collection, How Do We Explore?*, materials related to activities presented during the workshop, a NOAA Ocean Exploration Certificate of Participation, continental breakfast, and lunch.

**Registration Deadline is February 15, 2013**

To register, contact Tricia LeBlanc at the Audubon Aquarium of the Americas

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