



Top to bottom: The control room on the NOAA Ship *Okeanos Explorer*; the ROV *Deep Discoverer* on the back deck; a dumby octopus 2000 m down in the Gulf of Mexico; a brisingid seastar resting on bubblegum coral in a canyon off the Northeast US coast; ROV *Deep Discoverer* suspended over a natural asphalt extrusion on the seafloor; the NOAA Ship *Okeanos Explorer*. All images courtesy NOAA.



National Oceanic and Atmospheric Administration (NOAA)
Office of Ocean Exploration and Research
oceanexplorer.noaa.gov

NOAA Ship *Okeanos Explorer* Education Materials Collection

Why Do We Explore?

Professional Development - Part One

for Educators of Grades 5-12

Saturday, October 4, 2014

8:00 am - 4:00 pm

In Partnership with University of South Florida,
College of Marine Science
and Hosted by the Clam Bayou Marine Education Center
St. Petersburg, Florida

All life on Earth relies on the ocean— yet, the ocean is 95 percent unexplored, unknown and unseen by human eyes...

An essential component of the NOAA's Office of Ocean Exploration and Research (OER) mission is to enhance ocean science literacy and to build interest in careers that support ocean-related work. To help fulfill this mission, the *Okeanos Explorer* Education Materials Collection was developed to encourage educators and students to become engaged in real time with the voyages and discoveries of the NOAA Ship *Okeanos Explorer*—America's first Federal ship dedicated to Ocean Exploration. Join NOAA OER Facilitator Melissa Ryan, as you are introduced to Volume 1 of the *Okeanos Explorer* Education Materials Collection: *Why Do We Explore?* Participants will learn how to use standards-based lessons and other online resources that guide classroom inquiries into important reasons for ocean exploration including Climate Change, Energy, Ocean Health and Human Health. This is Part One of a two-part professional development series. Part Two will be offered at a later date.

Registration is required and space is limited. Educators attending the full day will receive Volume 1 of the *Okeanos Explorer* Education Materials Collection, *Why Do We Explore?*, other resources, a NOAA Ocean Exploration Certificate of Participation, a continental breakfast and lunch. Those educators attending Part One and Part Two will receive a \$100 stipend.

Registration deadline is September 12, 2014

Contact Angela Lodge at alodge@usf.edu for registration form.
Return it to her by email or fax it to her attention at (727)552-2581.