THE URI INNER SPACE CENTER USING TELEPRESENCE TECHNOLOGY TO FACILITATE REAL-TIME PARTICIPATION IN OCEAN RESEARCH CRUISES

Dwight F. Coleman

Inner Space Center, University of Rhode Island Graduate School of Oceanography

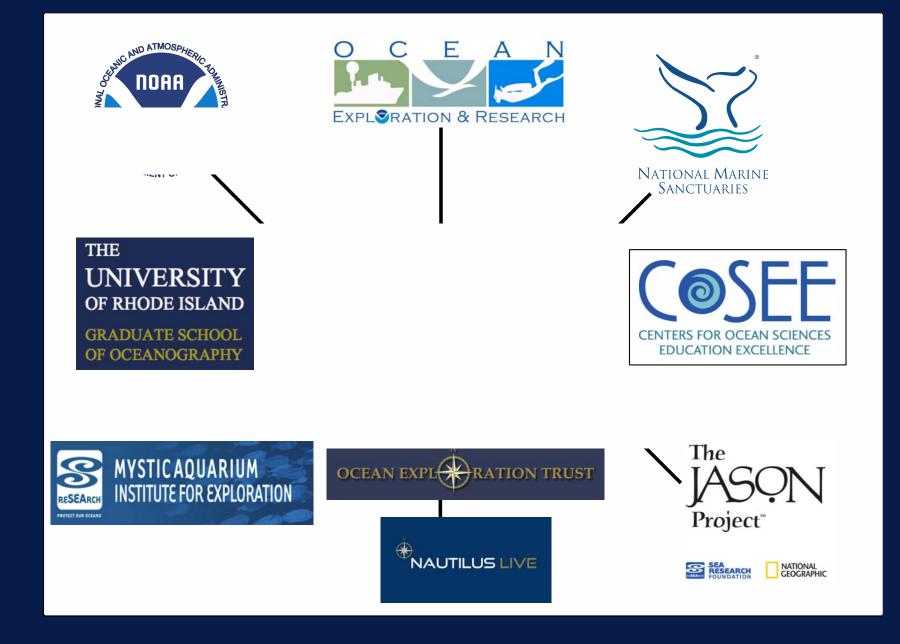
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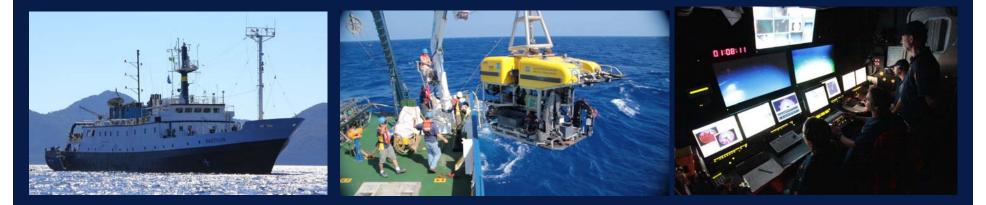
Inner Space Center Partnerships



SHIPS AND ROVS FOR OCEAN EXPLORATION

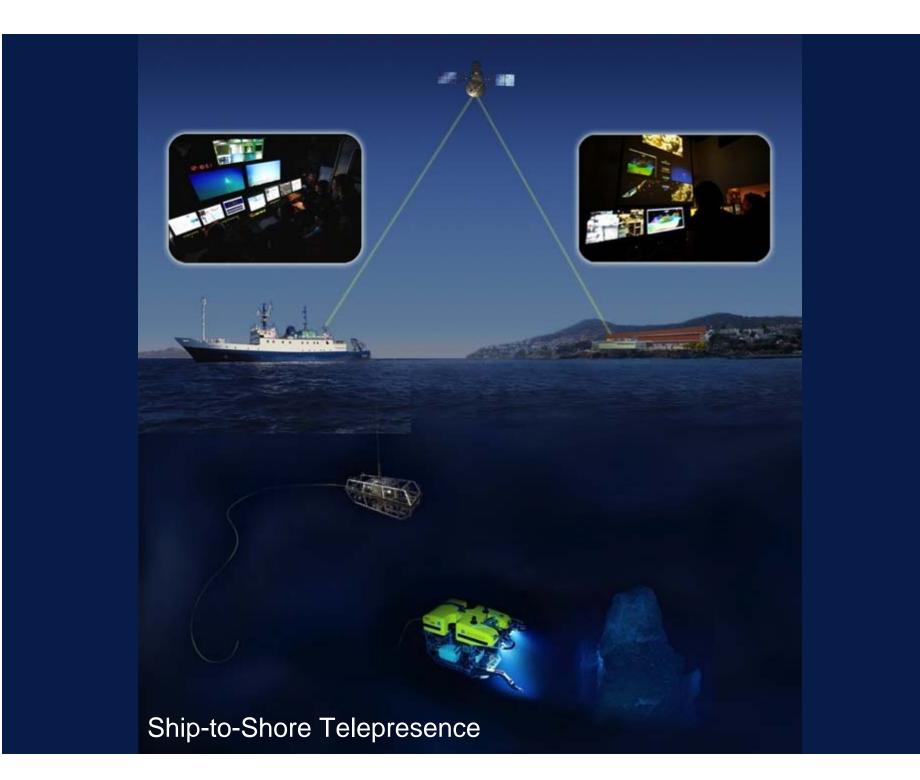


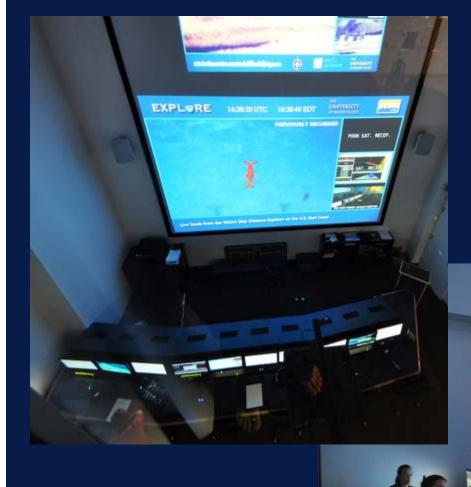
E/V Nautilus



EXPL RE NOAA Ship Okeanos Explorer









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Mission Control





ISC VIDEO BROADCAST AND PRODUCTION STUDIO



OKEANOS EXPLORER 2012

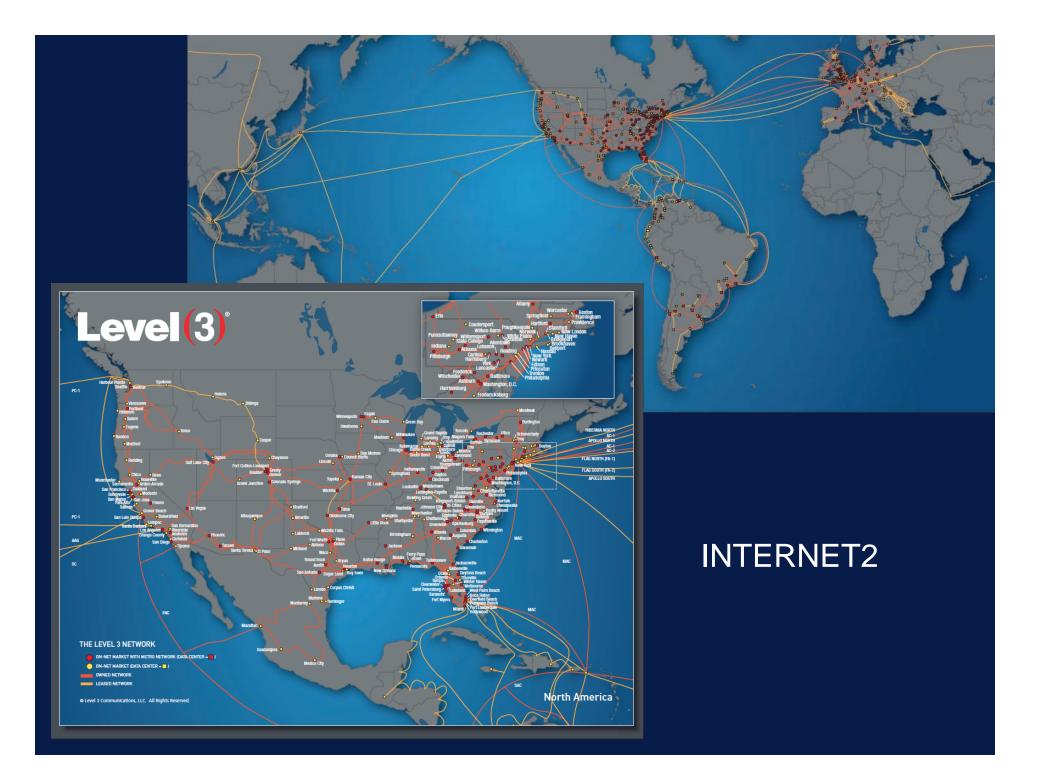


18- F



WILLINGS EXPLORED 2012





EXPLORATION COMMAND CENTERS (ECCs)



NOAA PMEL, Seattle, WA

NOAA Headquarters - Silver Spring, MD



University of Delaware





University of New Hampshire



Mystic Aquarium – Nautilus Live Theater, CT



Exploratorium, San Francisco



Cape Henry Collegiate School, VA



Scottsdale, AZ Boys & Girls Club

E/V Nautilus - 2011 Expedition NA013- August 22 2011 - Knidos O





V system Argus and Hercules.



MYSTIC AQUARIUM OF RHODE ISLAND

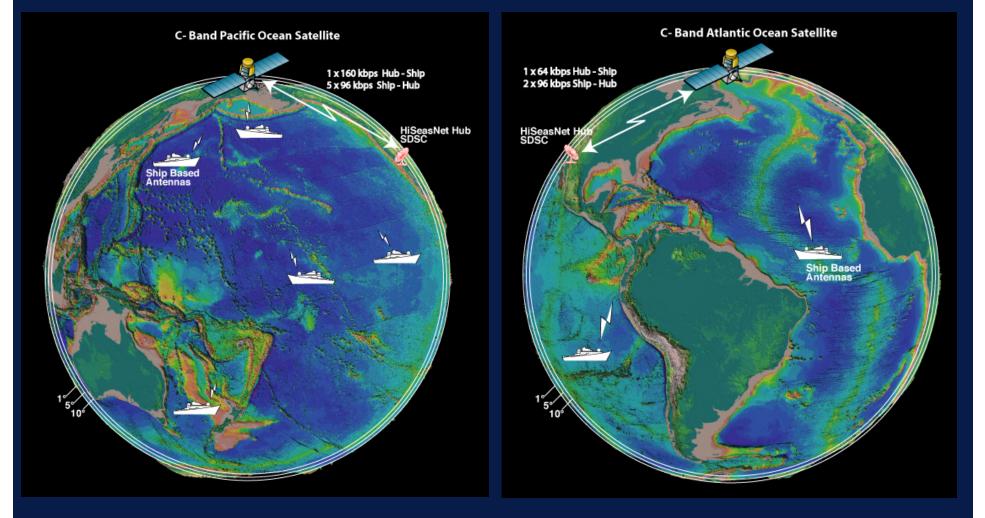
COMPOSITE VIDEO STREAM

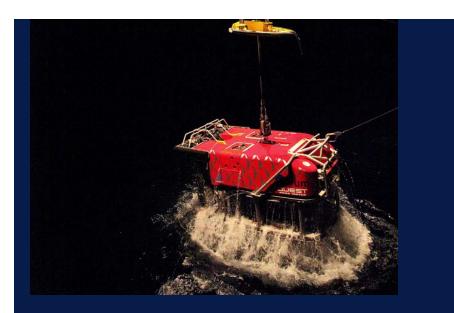


<u>Cloud Services</u> Streaming Video Content Delivery Networks (CDN) IPTV / Roku

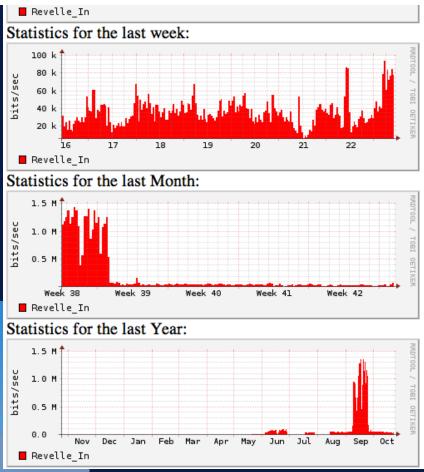


HiseasNet INTERNET FOR OCEANOGRAPHIC SHIPS AT SEA









Submarine Ring of Fire NE Lau Basin 2012



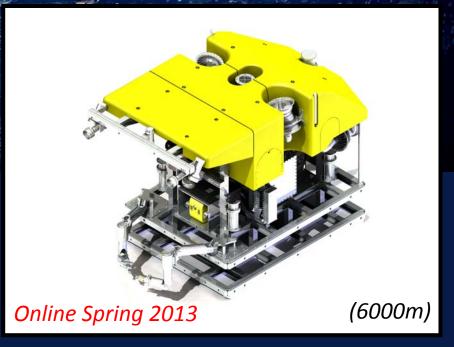


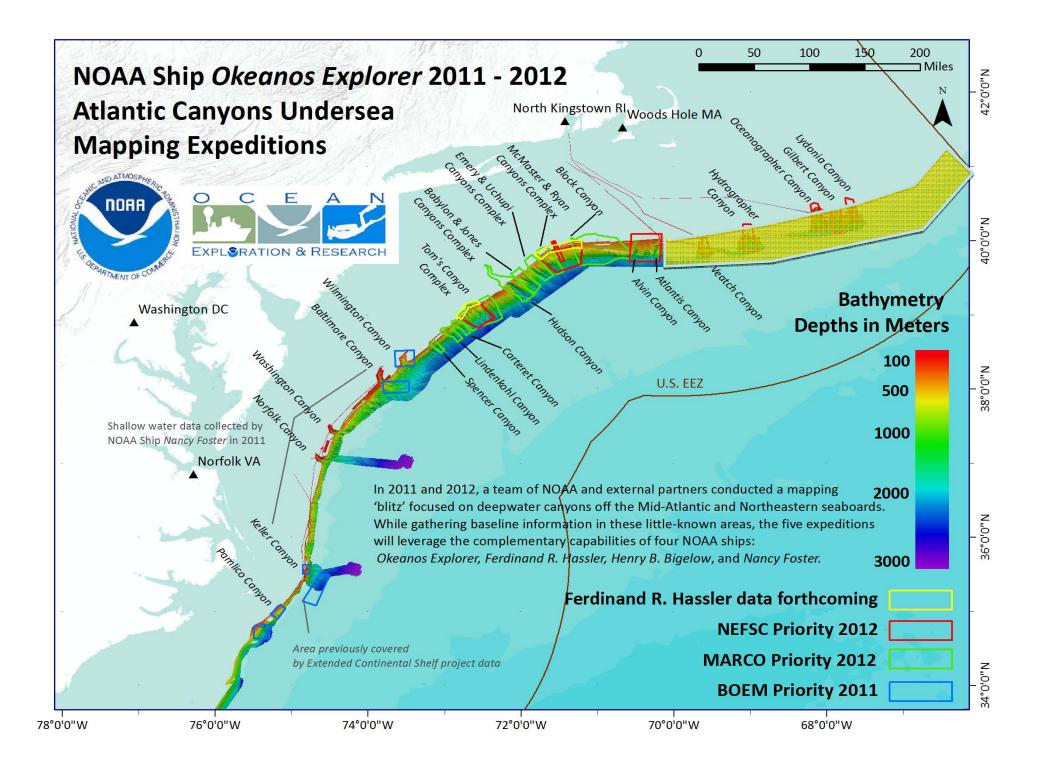
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September 9 - 26, 2012

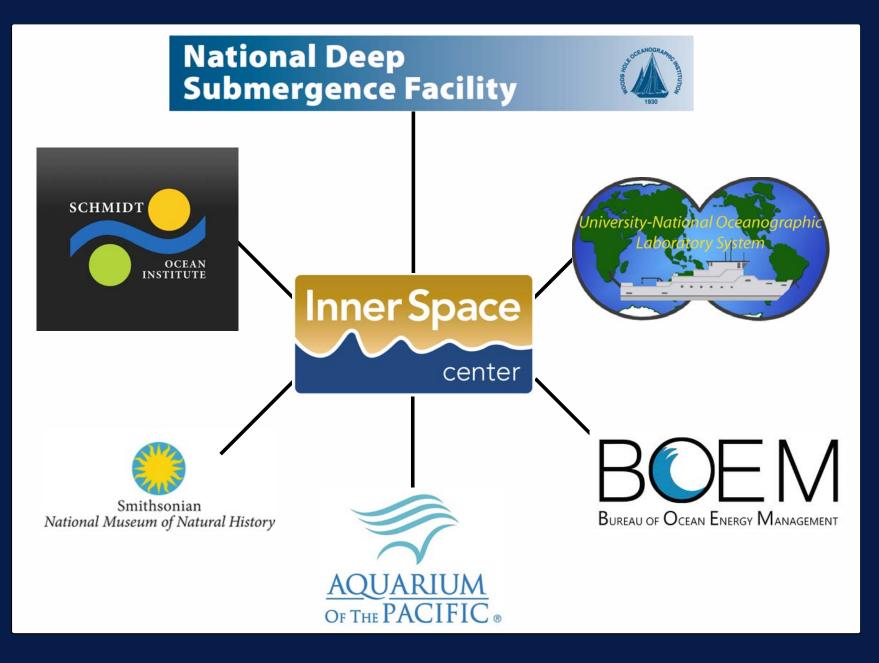


NOAA Ship Okeanos Explorer ROV Upgrade





2013 Projected New Partnerships







R/V Thompson





NSF Funded ROV *Jason II* Cruises Summer/Fall 2013

R/V Atlantis

R/V Falkor HROV Nereus





SCHMIDT OCEAN INSTITUTE

Mid-Cayman Rise Project June 2013

Juan de Fuca Ridge – 2013

Planned Thompson, Atlantis, and Falkor Cruises for projects to support OOI-RSN, Neptune Canada, and NSF initiatives

HiSeasNet coverage MTN satellite coverage Use shared bandwidth Verizon quote

Logistics?

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