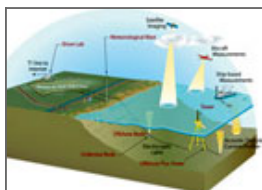


Martha's Vineyard Coastal Observatory: News & Multimedia

Multimedia



Microscope and Telescope

The Martha's Vineyard Coastal Observatory (MVCO) allows scientists to measure small details of ocean process with minute-by-minute resolution, while also affording the opportunity to paint broader pictures of what is happening in the northwestern Atlantic over the longer term. MVCO includes a shore-based lab and meteorological mast, an underwater node, and a tower wired for instrumentation above and below the water line.

[» View Flash](#)

How Does an Observatory Work?



When magma rises through Earth's crust to a mid-ocean ridge, ocean observatory sensors detect the ground motion, the spilling lava, and the chemicals spewing from hydrothermal vents. Observations are relayed via satellite back to shore-based researchers, who can command their instruments and a robotic vehicle to make specialized measurements, and then muster an expedition to inspect the eruption firsthand with submersibles or other undersea vehicles.

[» View Video \(Quicktime\)](#)

[» View Video \(Media Player\)](#)

From Oceanus Magazine



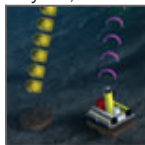
August 17, 2012

[New Laboratory Opens at WHOI](#)

WHOI scientists and engineers began moving into the newly completed Laboratory for Ocean Sensing and Observing Systems in August.

Source: Oceanus Magazine

July 20, 2006



[Scientists Gear Up to Launch Ocean Observing Networks](#)

Stations throughout the oceans can monitor conditions and transmit data 24-7.

Source: Oceanus Magazine

September 9, 2005



[Building an Automated Underwater Microscope](#)

WHOI biologist Heidi Sosik discusses plankton and a new way of looking at it, the Imaging FlowCytobot

Source: Oceanus Magazine

January 6, 2005



[The New Wave of Coastal Ocean Observing](#)

Shore stations and seafloor nodes provide connections for long-term studies of coastal processes

Source: Oceanus Magazine

January 1, 2000



[New Coastal Observatory Is Born](#)

The Martha's Vineyard Observatory will continually monitor a host of variables from two depths in the waters off Cape Cod.

Source: Oceanus Magazine

News Releases

September 20, 2012

[Dedication Ceremony Held for New Laboratory](#)

WHOI President and Director Susan Avery and Director of Research Larry Madin were joined by National Institute of Standards and Technology (NIST) Deputy Director Willie May at a dedication ceremony Sept. 20 for the new Laboratory



for Ocean Sensors and Observing Systems. WHOI received an \$8.1 million grant from NIST to fund construction of the new scientific research facility.

Source: Media Relations

August 3, 2010



[WHOI To Mark New Lab with Groundbreaking Celebration](#)

Equipped with an \$8.1 million federal Recovery Act grant and a shovel, the Woods Hole Oceanographic Institution (WHOI) will celebrate the groundbreaking of its new Laboratory for Ocean Sensors and Observing Systems (LOSOS) at 11 a.m. on Wednesday, Aug. 4, at the Clark Laboratory on the Institution's Quissett Campus.

Source: Media Relations

November 9, 2010



[WHOI Receives Gordon and Betty Moore Foundation Grant for Oceanography Imaging Informatics](#)

In a significant step toward a new era in the collection and understanding of ocean science data, the Woods Hole Oceanographic Institution (WHOI) has received a grant of more than \$2 million from the Gordon and Betty Moore Foundation for work in imaging informatics in oceanography.

Source: Media Relations

December 1, 2004



[Novel Instrument Sheds Light on Plankton Populations in Coastal Waters](#)

Cabled ocean observatories, like the Martha's Vineyard Coastal Observatory (MVCO), and new sensors like the Flow Cytobot are enabling scientists to study plankton community structure and processes with unprecedented detail.

Source: Media Relations

In the News

[Underwater observatory to be built off of the Vineyard](#)

By Paisley Dodds

Associated Press, September 30, 1998

[Nearshore Observatory Leads to Long-Term Meteorological and Oceanographic Studies](#)

National Science Foundation, September 24, 1998

[The Martha's Vineyard Coastal Observatory: Interview with Dr. Wade R. McGillis](#)

The Environmental News Network

National Public Radio, 1998

[Proposed Observatory Will Offer Scientists Expanded Weather Data](#)

By Kristen L. Mitchell

The Falmouth Enterprise, 1998

[Vineyard Gazette Online](#)

By Mark Allen Lovewell

Vineyard Gazette, 1998

Last updated: January 7, 2015

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