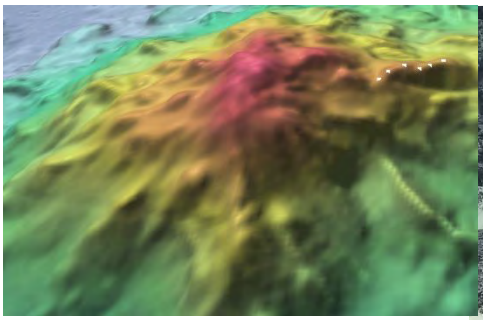

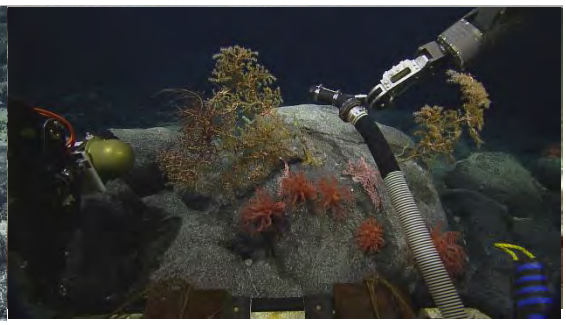

Enigmatic Seamounts in PMNM Web Links

Papahānaumokuākea Marine National Monument

https://www.papahanaumokuakea.gov/

Papahānaumokuākea Marine National Monument is the largest contiguous fully protected conservation area under the U.S. flag, and one of the largest marine conservation areas in the world. It encompasses 582,578 square miles of the Pacific Ocean (1,508,870 square kilometers) - an area larger than all the country's national parks combined.

NOAA Ocean Exploration and Research Homepage

https://oceanexplorer.noaa.gov/

The NOAA Office of Ocean Exploration and Research (OER) is the only federal organization dedicated to ocean exploration. By using unique capabilities in terms of personnel, technology, infrastructure, and exploration missions, OER is reducing unknowns in deep-ocean areas and providing high-value environmental intelligence needed by NOAA and the nation to address both current and emerging science and management needs. You can find links to all the Research Vessel Okeanos Explorer Dives as well as watch live dives from links on this homepage.

NOAA Ocean Exploration and Research Benthic Animal Guide

https://oceanexplorer.noaa.gov/okeanos/animal_guide/animal_guide.html#connectBtn

Welcome to the third version of OER's Benthic Deepwater Animal Identification Guide, a collection of in situ images created from video frame grabs taken from Deep Discoverer (D2) remotely operated vehicle (ROV) video. This version now includes all of the animal images from the entire 3 year CAPSTONE campaign in the Pacific. We welcome your input and recommendations as we evaluate whether, and the best approach, to continue development of the guide as new images become available.

NOAA Deep Sea Coral Data Portal

https://deepseacoraldata.noaa.gov/

This Portal provides access to deep sea coral and sponge data, images, and technical reports from research funded by NOAA's Deep Sea Coral Research and Technology Program (DSCRTP) and its partners.

E/V Nautilus Expeditions

https://nautiluslive.org/

Ocean Exploration Trust and the *Nautilus* Exploration Program seek out new discoveries in geology, biology, and archaeology while conducting scientific exploration of the seafloor. Our expeditions launch aboard Exploration Vessel *Nautilus* — a 64-meter research ship equipped with live-streaming underwater vehicles for scientists, students, and the public to explore the deep sea from anywhere in the world. We embed educators and interns in our expeditions who share their hands-on experiences via ship-to-shore connections with the next generation. Even while we are not at sea, explorers can dive into *Nautilus* Live to learn more about our expeditions.

The Schmidt Ocean Institute

https://schmidtocean.org/

Since the Earth's oceans are a critically endangered and least understood part of the environment, the Institute dedicates its efforts to their comprehensive understanding across intentionally broad scope of research objectives. Research Vessel Falkor.

Future Ocean Lab, MIT

http://futureocean.mit.edu/

The Future Ocean Lab at MIT is dedicated to developing and deploying low-cost, low-power tools for underwater exploration, as well as high-end custom imaging systems to document the world's changing oceans.

NASA Jet Propulsion Laboratory

https://www-robotics.jpl.nasa.gov/people/Spencer_Backus/

Spencer Backus joined the Robotic Vehicles and Manipulators Group in 2017 and is working on projects related to grasping underwater and in space.

Explore Sanctuaries Live

https://sanctuaries.noaa.gov/live/

Explore national marine sanctuaries live with real-time video and communication feeds from underwater. The sites of your National Marine Sanctuary System are hubs for science, exploration, and education. At any given time, researchers are in sanctuaries exploring the deep, monitoring kelp forests, tracking coral reef health, and more. Sanctuaries Live gives you a front row seat to sanctuary science. Watch expedition livestreams, chat with scientists, master educational resources, and more. As we learn more about the mysteries of the ocean, we can better protect our blue planet.