

Oceans Observatories Initiative (OOI) ^[1]

Collaborating Institution



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The National Science Foundation (NSF)-funded OOI, is a networked observatory of science-driven sensor systems that measure the physical, chemical, geological and biological variables of the ocean, seafloor, and near ocean atmosphere. The OOI consists of seven arrays located across the North and South Atlantic and Pacific, including one cabled, two coastal, and four global arrays. The OOI infrastructure is made up of 89 platforms, carrying over 830 instruments, providing over 100,000 data products. The OOI is designed to provide continuous observations for up to 25 years, transmitting data back to shore to be accessed by anyone with an internet connection.

A portion of the OOI Infrastructure is located in the Northeast Pacific to the north and the south of the ONC NEPTUNE Array. The Global Station Papa Array is to the north in the Gulf of Alaska, while the Cabled Array and Coastal Endurance Array are located to the south off the coast of Washington and Oregon. Infrastructure at these sites consists of instrumented platforms that provide continuous data from the seafloor to the air-sea interface at multiple sites, as well as from a seafloor cabled network of extensive instrumented platforms across the Juan de Fuca tectonic plate.

While the OOI and ONC each make unique contributions to our understanding of earth system processes, the proximity and complementarity of the ocean observing tools of these two networks helps to provide a more comprehensive story of the ocean in the Northeast Pacific.

[Visit the Oceans Observatories Initiative \(OOI\) website](#) ^[2]

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(function () { var d = new Date; var year = d.getFullYear();  
document.getElementById("copyright-date").innerHTML = year; })();
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