



As part of the U.S. IOOS, NANOOS uses buoys and gliders to provide the public with real-time coastal weather and water data, including wind, temperature, and oxygen. After many years of operation, parts and sensors need replacement.

NANOOS serves the data online to tribes, agencies, fisheries managers, shellfish growers, mariners, and the public, who use the data in myriad ways to sustain safety, livelihoods, recreation, culture, and health.



An ORCA buoy in Puget Sound, circa 2008



An ORCA buoy in 2023 with 15 years of grime, corrosion, and bird poop



Vital buoy winch parts wear out from being in a seawater environment 24 x 7 x 365



New glider to join the observing equipment fleet

The Bipartisan Infrastructure Law of 2022 set aside funds to IOOS that NANOOS is using to replace aging observing assets and to assure continuation of these vital data streams used to assess safety and protect economic and ecological benefits from the sea.

These funds are also used to revitalize buoys and gliders, equipping them with new tech sensors.



NANOOS kicked off its 20th anniversary with a series of events:

- “NANOOS Spotlight: Bridging Science and Industry for Ocean Observing to Meet Community Needs” held in Seattle, WA, was dedicated to highlighting ocean science and technology that addresses community needs
- Our annual meetings in Astoria, OR, set a direction for the future and brought our investigators and governing council together
- A community event in Astoria, OR, featuring NANOOS science and applications presentations showcased strong partnerships and how data are being applied, plus offered NVS demos, posters, and networking
- A reception to celebrate the NANOOS 20th anniversary, and premiere of a new video highlighting why NANOOS matters



Scan to view the 20th anniversary video