Biden-Harris Administration invests $30M to improve tsunami ocean-observing system through Investing in America agenda

unding will support NOAA's efforts to increase tsunami etection capability for improved tsunami warnings

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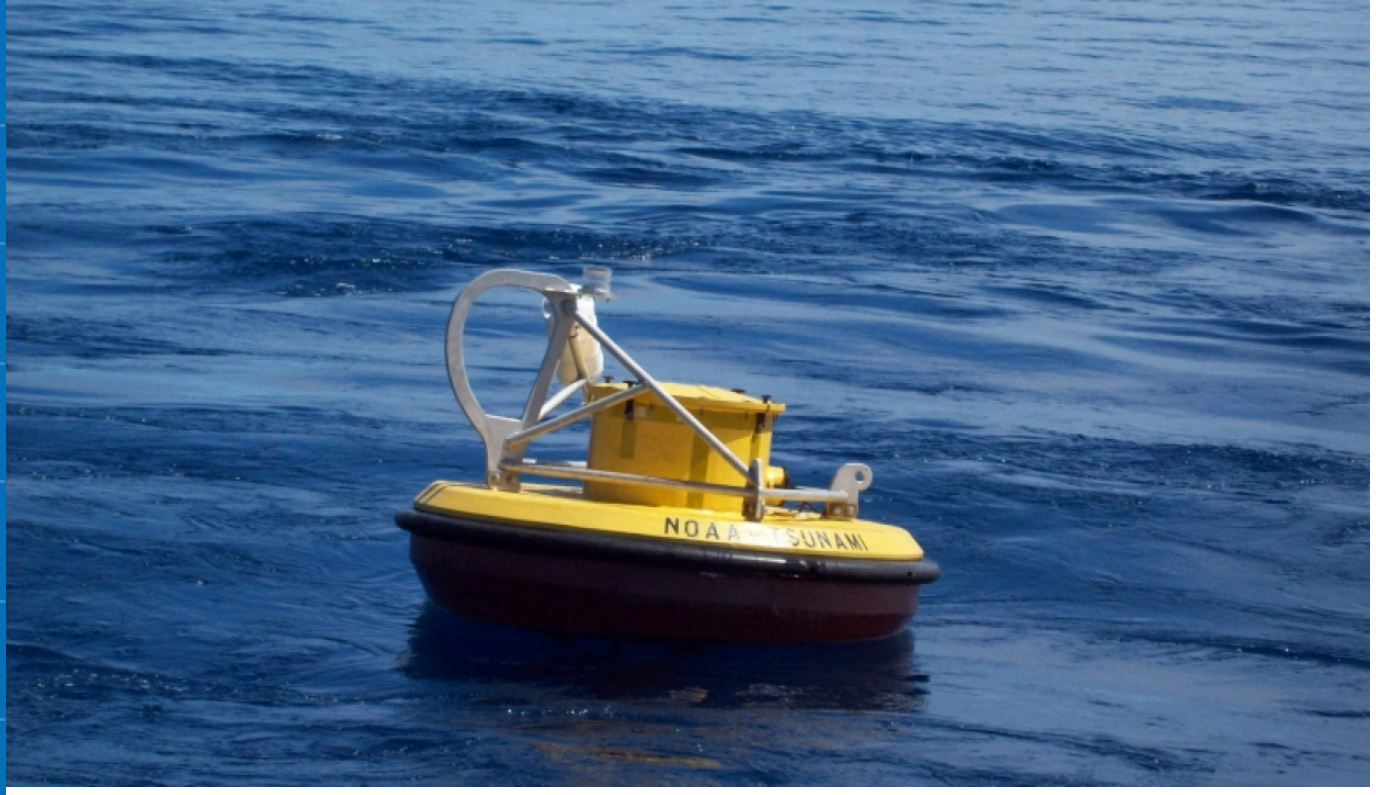

)AA's National Data Buoy Center will modernize and replace equipment on its DART buoys to prove availability and reliability of data and increase NOAA's tsunami detection capability for proved tsunami warnings. (Image credit: NOAA)
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oday, the Department of Commerce and NOAA announced $30 million to modernize d replace the equipment on the Deep-ocean Assessment and Reporting of unamis (DART) Ocean Observing System as part of President Biden's Investing in merica agenda. The contract, funded by the Bipartisan Infrastructure Law, was varded to the Science Applications International Corporation (SAIC) to develop quipment to support improved tsunami detection and warning.

he Biden-Harris Administration is making sure NOAA has the resources and chnology needed to track tsunamis and warn coastal communities of threats," said S. Secretary of Commerce Gina Raimondo. "Thanks to President Biden's Investing in merica agenda, this $30 million investment will modernize NOAA's DART network to prove real-time tsunami forecasts and alerts in order to save lives and keep coastal mmunities safe."

he DART system was developed to detect tsunamis and forecast their impact along lnerable coastlines. NOAA owns and operates an array of 39 DART buoys in the acific and Atlantic ocean basins, including the Gulf of Mexico and Caribbean basins. hen a tsunami wave moves across the ocean and reaches the DART, the surface uoy — utilizing data from a highly-accurate pressure sensor on the ocean floor — ports sea level information measurements back to the National Weather Service's unami Warning Centers, where the information is used to produce a tsunami recast and fine-tune watches and warnings.

arly detection and real-time reporting of tsunamis is critical to reducing the loss of e in U.S. coastal communities," said NOAA Administrator Rick Spinrad, Ph.D. "This vestment to upgrade the DART network will help improve tsunami detection, arnings and the forecast for intensity and arrival times."

AIC will develop more modern equipment to replace the existing equipment on the ART buoys, which is 20 years old. The new systems will make the data used to etect tsunamis more available and reliable, and improve the forecast of tsunami tensity and arrival times, as well as the predictions for how tsunami wave inundation ould affect coastal communities.

eplacement of the equipment is expected to begin in 2025 and conclude in 2028.

he project is managed by NOAA's National Data Buoy Center — a division of NOAA's ational Weather Service. Visit NOAA's Bipartisan Infrastructure Law and Inflation eduction Act websites to learn about current and future funding opportunities.

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