

PRIMRE *BLAST*

29 May 2026

The Portal and Repository for Information on Marine Renewable Energy ([PRIMRE](#)) provides access to marine energy data, information, and resources in the U.S. and internationally. The bi-weekly [PRIMRE Blast](#) highlights relevant announcements and upcoming events; new content in the [Knowledge Hubs](#); and international marine energy news. [Email us](#) to contribute!

[Announcements](#)
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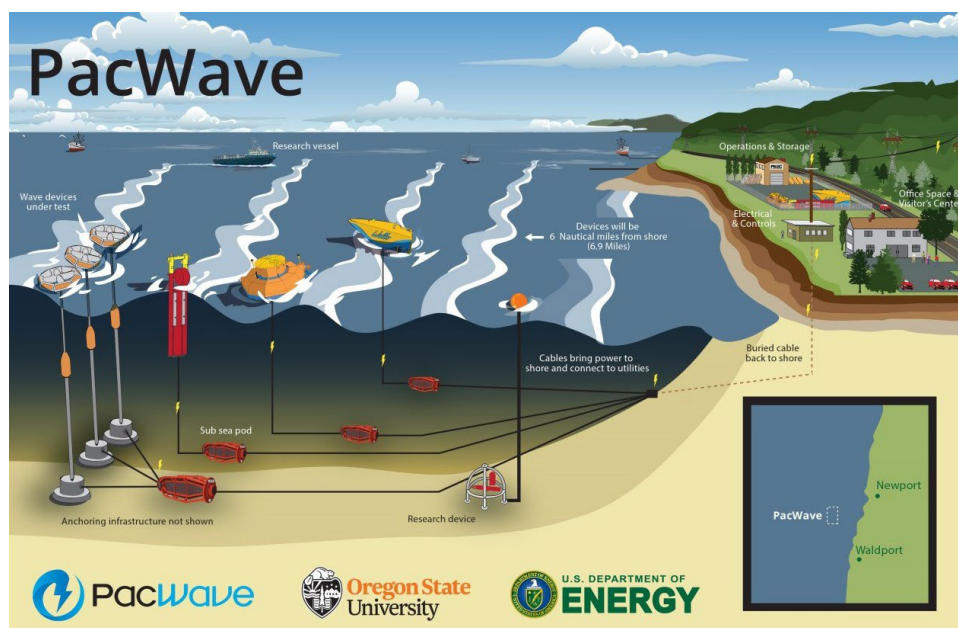
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Announcements

[PacWave Data on MHKDR](#)

The Marine and Hydrokinetic Data Repository (MHKDR) has launched a new [PacWave page](#) that features data collected at the United States' largest wave energy test site. This publicly available collection includes near real-time measurements of wave conditions, currents, wind, salinity, and water temperature to support research and technology development.



U.S. Knauss Fellowship Applications Open

The National Sea Grant College Program is accepting applications for its [2027 Knauss Fellowship Program](#), which places graduate students interested in ocean, coastal and Great Lakes resources in executive and legislative offices where they contribute to real-world policy work. Apply by 3 June 2026.

Public Notice: Invitation to Comment on OSIP

The Fundy Ocean Research Centre for Energy (FORCE) has submitted an application to Transport Canada's Navigation Protection Program for scientific monitoring equipment as part of the Ocean Sensor Innovation Platforms (OSIP) project. OSIP is a collaborative research project with Acadia University, Ocean Tracking Network, the Confederacy of Mainland Mi'kmaq and other partners designed to improve how we monitor fish and marine life in high-flow tidal environments like Minas Passage. [Review the file and submit comments here.](#)

Calls for Abstracts & Proposals

Marine Renewables Canada has opened the [Call for Research & Technical Track Abstracts](#) and the [Call for Member Workshop Proposals](#) for the [Marine Renewables Canada 2026 Conference & Exhibition](#) through 29 May 2026. The conference will take place on 17–19 November 2026 in Ottawa, Ontario, Canada.

The [Call for Abstracts](#) for the [3rd Australian Ocean Renewable Energy Symposium \(AORES\)](#) is open through 31 May 2026. AORES will take place 9–11 November 2026 in Adelaide, Australia.

The [Call for Town Halls and Panel Sessions](#) for [OCEANS 2026 Monterey](#) is open until 20 July 2026. OCEANS 2026 Monterey will take place on 21–24 September 2026 in Monterey, California, USA.

Funding & Testing Opportunities

The U.S. Testing Expertise and Access for Marine Energy Research (TEAMER) program, which supports marine energy testing and development projects, is accepting [Request for Technical Support \(RFTS\) 18](#) applications until 5 June 2026. TEAMER now provides [expertise, non-open water, and open water support](#), as well as [commercialization support](#).

University of California San Diego has opened applications for the [StartBlue Ocean Enterprise Accelerator](#), which is an intensive immersive program designed to help ocean intelligence startups launch and scale to support the ocean enterprise. An [information session](#) will take place on 12 June 2026. Apply by 21 June 2026.

Oregon State University (OSU) is seeking [Proposals from qualified Marine Operations Consultants](#) to provide advisory services to the PacWave wave energy test site by performing technical reviews, operational assessments, risk-based evaluations, and other activities. Proposals are due 24 June 2026.

Interreg North Sea has launched the [4th Support Call for the OASIS Accelerator Programme](#), which supports start-ups and SMEs from the North Sea region with technical and commercial trainings, networking opportunities, and a dedicated Pressure Cooker event on 21–24 September 2026 in Hamburg, Germany, hosted by The German Aerospace Center. Apply by 6 July 2026.

VentureWell has opened applications for Stage 1 of its [Ocean Enterprise Accelerator](#), which supports U.S. innovators with the development, commercialization, and adoption of new ocean data technologies and services. Apply by 7 July 2026.

UK Research and Innovation (UKRI) has opened applications for the [Clean Maritime Demonstration Competition 7: Deployment trials](#), which will fund real world demonstrations of innovative clean maritime technologies in an operational setting. UK organizations and collaborators can apply by 15 July 2026.

Career & Internship Opportunities

OSU is seeking a [Power & Data Systems Manager](#) to assist the PacWave team in establishing the facility as a leading global test facility, which will provide the marine energy sector with the opportunity to test and conduct research, development, demonstration, and deployment activities for wave energy systems and other technologies. Apply by 31 May 2026.

The University of Manchester is offering a [funded PhD project](#) (for UK students only) focused on developing next-generation tools for tidal stream turbine array design. This project will develop a suite of rapid, physics-based design tools to capture wave transformation across turbine arrays and resulting loads to inform array layouts. Apply by 31 May 2026.

Delft University of Technology (TU Delft) is looking for a [Postdoctoral Researcher in Digital Ocean Twins for Marine Energy Applications](#). The work will focus on high-fidelity wave modelling and the development of advanced frameworks for “what-if” scenario analysis. Apply by 31 May 2026.

Pacific Northwest National Laboratory is hiring a [Community Energy Systems Electrical Engineer](#). This role will be focused on providing technical assistance for communities through two programs: the Energy Technology Innovation Partnership Project (ETIPP) and Energy to Communities (E2C). Apply by 4 June 2026.

Intertek Metoc is seeking [Graduate Consultants](#) with a degree in a science or engineering discipline and interest in marine, coastal, or riverine environments to help provide innovative sustainable solutions to clients across a range of sectors and countries. Apply by 10 June 2026.

Upcoming Events

The [PRIMRE Events Calendar](#) highlights key events from around the world related to marine energy, including conferences, webinars, workshops, and more.

Upcoming Webinars

The Institute for Energy Studies, The Foundation for Western Washington University (WWU), & Alumni are hosting an event as part of its speaker series on [Reducing Fish and Wildlife Impacts from Marine-Hydrokinetic \(MHK\) Energy Projects](#) on 2 June 2026 from 4:00–5:15pm PDT (11:00pm–12:15am UTC) online and at WWU.

Interreg North-West Europe has launched the French edition of its ORESA Accelerator Programme, which supports SMEs focused on improving the sustainability of their product or service within the offshore renewable energy sector. France Énergies Marines is hosting an online [informational webinar](#) on 4 June 2026 from 10:30–11:30am CEST (8:30–9:30am UTC).

The Ocean Thermal Energy Association (OTEA) is hosting a webinar, “[First National Prospective Analysis of Ocean Thermal Gradient Energy in Costa Rica](#),” on 9 June 2026 at 8:00am CST (2:00pm UTC). Speakers include Lic. Pablo Mora (University of Costa Rica) and Dr. Rodrigo Rojas (National University of Costa Rica).

The National Laboratory of the Rockies (NLR) is hosting a [Marine Energy Microgrid and Power Electronics Webinar Series](#) to provide an introduction to its water power facilities and capabilities. The series will feature marine energy technologies such as modeling tools and hardware-in-the-loop capabilities.

- “[Advancing Power Electronics for Wave Energy Converters](#)” will take place on 8 June 2026 at 12:00pm MDT (6:00pm UTC) and provide a deeper understanding of advanced power electronic solutions to unique challenges in wave energy that improve the efficiency and performance of wave energy converters.
- “[Microgrid Power Hardware-in-the-Loop Modeling](#)” will take place on 10 August 2026 at 12:00pm MDT (6:00pm UTC) and will demonstrate NLR’s power hardware-in-the-loop (HIL) microgrid model for marine energy integration with microgrid testing. This demonstration will feature a repurposed tidal energy generator mounted on NLR’s 20-kW test bench connected to a bidirectional grid emulator and an HIL device.

Upcoming Short Course

The Hawai‘i Marine Energy Center (HMEC) is offering a one-week [Introductory Short Course on Marine Energy](#) from 17–21 August 2026 at University of Hawai‘i Mānoa in Oahu, Hawai‘i. The course is designed for individuals with little or no prior experience, including advanced high school students, college students, and professionals interested in marine energy in Pacific Island contexts. Apply by 5 June 2026.

Upcoming Conferences

The Partnership for Research in Marine Renewable Energy (PRIMaRE) are hosting the [13th PRIMaRE Conference](#) on 23–24 June 2026 at the Loughborough University in Loughborough, England.

The [University Marine Energy Research Community \(UMERC\) Annual Conference](#) will take place in partnership with the [Marine Energy Technology Symposium \(METS\)](#) on 4–6 August 2026 at the Stevens Institute of Technology in Hoboken, New Jersey, USA.

The [8th Asian Offshore Wind, Wave and Tidal Energy Conference \(AWTEC\)](#) will take place on 6–10 September 2026 at the Kaohsiung Exhibition Center in Kaohsiung, Taiwan.

New Documents on Tethys Engineering

[Tethys Engineering](#) hosts thousands of documents on the technical aspects of marine energy research and development, including journal articles, conference papers, and reports.

[Wave power for e-fuels and e-chemicals production: technical feasibility, economic viability, and regional opportunities](#) – Satymov et al. 2026

The global energy transition necessitates the defossilisation of the energy-intensive industry and hard-to-abate transport sectors, where direct electrification falls short due to limitations in energy density. Electricity-based fuels and chemicals (e-fuels and e-chemicals) emerge as a viable alternative, offering high energy density and compatibility with existing infrastructure. However, their production hinges on access to vast amounts of low-cost renewable electricity, a challenge for regions with limited land. This study explores wave power as an underexplored source for e-fuel production, focusing on regions with exceptional wave energy: New Zealand, Chile, and Ireland.

[Energy-harvesting dynamics analysis of a vertical-axis tidal turbine considering multi-degree-of-freedom motion interaction effects using the lattice Boltzmann method](#) – Yin et al. 2026

In practical operation, the floating platform supporting vertical-axis tidal turbines exhibits multi-degree-of-freedom motions under combined wave and current loads. To investigate these effects, a two-dimensional lattice Boltzmann and large eddy simulation model was developed, coupling turbine rotation with three-degree-of-freedom oscillations (yaw, surge, and sway). This numerical method, integrated with a central composite design, systematically analyzes the synergistic effects of coupled motion frequencies on power and load characteristics. The coupled numerical results show good agreement with experimental data, validating the accuracy of the proposed approach for the hydrodynamic evaluation of vertical-axis tidal turbines.

Extended assessment of the globally extractable salinity gradient energy from river mouths – Álvarez-Silva et al. 2026

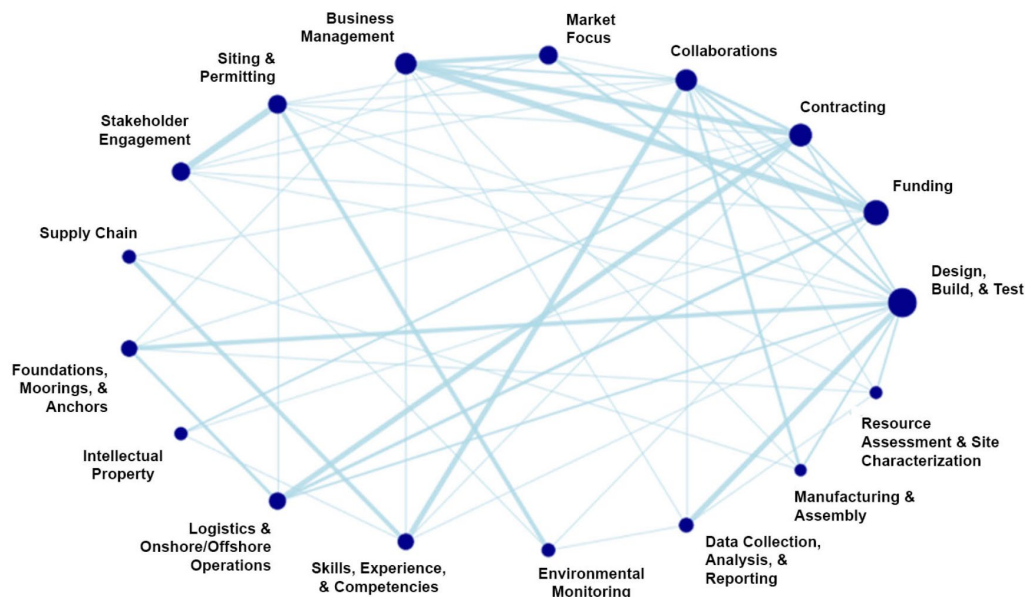
This paper comprehensively reevaluates the global potential for harnessing Salinity Gradient Energy (SGE) at river mouths. The assessment is based on broader global databases for freshwater discharge, accounting for both mean discharges and monthly variability. It also includes newer satellite data offering longer temporal coverage and finer spatial resolution. By comparing the results with previous assessments, we reveal that globally extractable SGE from river mouths is 399 GW, which is 5.6 times higher than previously estimated and represents 13% of the current global energy demand. We also assessed the intra-annual variability of the global SGE potential and found a strong correlation with the northern hemisphere seasonality, exhibiting higher potentials during May – September.

Telesto Highlight

Telesto provides information and resources about the development life cycle of marine energy, as well as information on lessons learned, metrics, economics, standards, and compliance.

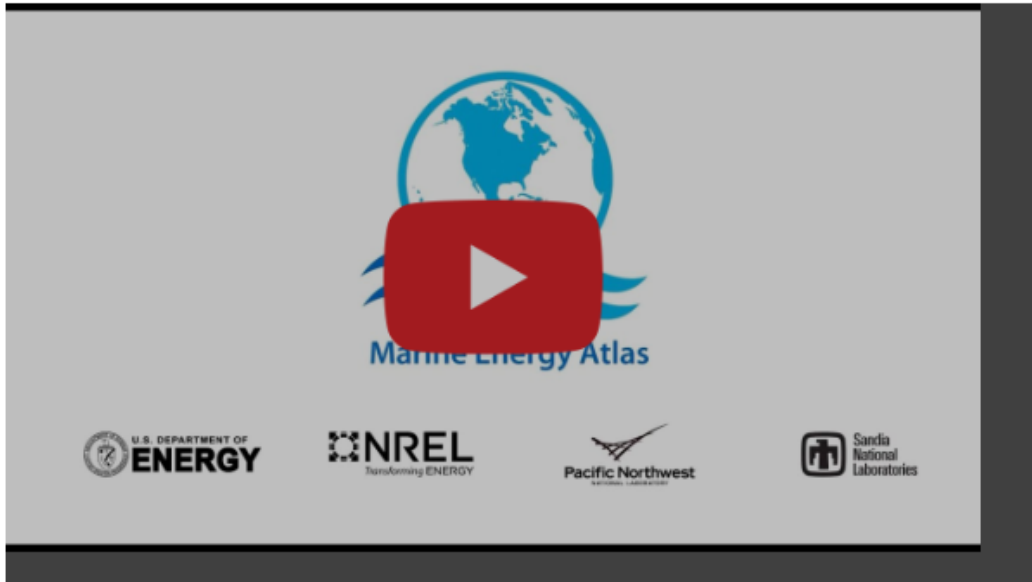
Lessons Learned Collected from the Marine Energy Sector

The PRIMRE team captured lessons learned from those working in the marine energy field to ensure that knowledge is not lost, past mistakes are avoided, and hard-won successes are capitalized on. The information collected will also help to identify where PRIMRE, U.S. DOE, and the industry as a whole may improve access to relevant information and resources.



Marine Energy Atlas Update

The [Marine Energy Atlas](#) is an interactive mapping tool that maps high-resolution, spatially comprehensive data on global wave, tidal, riverine, ocean current, and ocean thermal resources.



News & Press Releases

[Sandia-designed wave energy converter powers data collection aboard the Pioneer](#) – Sandia National Laboratories

Off the North Carolina coast, an oceanographic buoy gathers real-time, publicly available ocean data with the help of a first-of-its-kind bolt-on wave energy converter designed by Sandia engineers. The wave energy converter (WEC) was designed for the Pioneer Array, part of the National Science Foundation’s Ocean Observatories Initiative, which deploys and maintains more than 900 instruments, such as buoys and underwater sensors. The Pioneer Array comprises a series of coastal surface moorings and other platforms that work together to monitor and analyze interactions between the ocean’s surface and deeper waters, contributing to a greater understanding of the ocean.

[Eco Wave Power U.S. Joins NVIDIA Inception Program to Advance AI-Driven Renewable Energy Infrastructure](#) – Eco Wave Power

Eco Wave Power Global, a leading onshore wave energy technology company, recently announced that its wholly owned subsidiary, Eco Wave Power U.S., has joined the NVIDIA Inception program, an initiative designed to support companies advancing artificial intelligence, data processing, simulation, and high-performance computing technologies. Through the NVIDIA Inception program, Eco Wave Power U.S. will gain access to NVIDIA developer tools, technical resources, training, and ecosystem support

to accelerate the development of AI-driven applications for renewable energy infrastructure and intelligent energy management systems.

Relevant Spanish authorities grant approval for CETO's deployment at BiMEP – Offshore Energy

Carnegie Clean Energy's wholly owned subsidiary, CETO Wave Energy Ireland, has received a EuropeWave payment of €63,688 that reflects the approval of two deliverables related to the deployment of the CETO wave energy converter (WEC) at the Biscay Marine Energy Platform (BiMEP) site. The payment, under the EuropeWave Phase 3 contract, follows the approval of two deliverables, including the authorization for deployment of the CETO device at the BiMEP from the relevant Spanish national energy and coastal authorities, and the completion of control software for the upcoming back-to-back PTO testing. The unit will operate at BiMEP for two years, gathering data to validate CETO technology and advance commercialization.

Seanergy 2026: French tidal tender to launch this year – Renewables

A public consultation on a 250MW French tidal wave tender is set to be launched by the end of this year. Benoit Vantourout, Project Manager at the Direction Générale de l'Énergie et du Climat (DGEC), said the consultation would then be potentially followed by detailed environmental and technical studies in 2027. The aim is to allocate the award in 2030. The tender, whose strike price is set to be set at €160MW/H, is part of the multi-year energy plan PPE 3, which was launched recently in France after a long delay. "There is public interest in developing this kind of renewable energy," he told the Seanergy conference in Nantes. "We envisage that the tender will be similar in format to offshore wind, but the specifics will be determined after the consultation and studies."

MRECo Drops First Anchor for Ocean Innovation Network – MRECo

The Marine Renewable Energy Collaborative (MRECo) has successfully deployed a SOFAR Spotter Buoy at the newly established Cuttyhunk Test Range, this marks a key milestone as the first in-water technology deployment within Massachusetts' Ocean Innovation Network. This deployment represents a major step forward in expanding real-world ocean testing capacity for marine technology companies and researchers. The newly deployed SOFAR Spotter Buoy is a compact, wave-measuring device developed by SOFAR Ocean that collects real-time ocean data, including wave height, temperature, and environmental conditions. This data will directly support multiple ongoing and future ocean technology projects by improving safety, validation, and performance testing in open-water conditions.