PRIMRE BLAST

20 March 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

MECC Applications Open

The U.S. Department of Energy's (DOE) Hydropower and Hydrokinetic Office (H2O) and the National Laboratory of the Rockies (NLR) have opened applications for the 2027 Marine Energy Collegiate Competition (MECC), which challenges multidisciplinary teams of undergraduate and graduate students to offer unique solutions to marine energy challenges. Apply by 1 May 2026.

ORISE Applications Open

The Oak Ridge Institute for Science and Education (ORISE) Marine Energy Fellowship Program, which offers graduate students and postgraduates the opportunity to engage in marine energy research while embedded at selected host facilities for up to 12 months, is accepting applications for its Fall 2026 Cohort (August – October 2026) through 27 March 2026.

SCGSR Applications Open

The U.S. DOE Office of Science Graduate Student Research (SCGSR) program, which supports PhD students while working at DOE National Laboratories, is accepting applications for its 2026 solicitation. An SCGSR application assistance workshop will be held on 9 April 2026 from 2:00-4:30pm EDT (7:00-9:30pm UTC). Apply by 6 May 2026.

New Costa Rican Marine Energy Research Network

Red Mare CR, the new Costa Rican Marine Energy Research Network, was recently launched as a collaborative scientific and technical platform aimed at strengthening research, innovation, and governance related to marine energy resources in Costa Rica. The network seeks to promote high-quality scientific data, technological development, and interdisciplinary collaboration. For further details, please contact Dr. Rodrigo Rojas.

Calls for Abstracts

The Supergen Offshore Renewable Energy (ORE) Hub has opened the Call for Abstracts for its 2026 Annual Assembly until 20 March 2026. The Annual Assembly will take place on 22 April 2026 at the University of Warwick in Coventry, England. The 2026 Early Career Forum will take place on 21 April 2026.

The Pacific Ocean Energy Trust is accepting Workshop and Session Topic submissions for the 2026 Ocean Renewable Energy Conference (OREC) until 20 March 2026. OREC, in partnership with the 2026 Marine Energy Collegiate Competition (MECC), will take place on 18-21 May 2026 in Portland, Oregon, USA. Early bird registration is available until 31 March 2026.

The Call for Abstracts for the 8th Asian Offshore Wind, Wave and Tidal Energy Conference (AWTEC 2026) has been extended until 27 March 2026. AWTEC will take place on 6-10 September 2026 in Kaohsiung, Taiwan.

The Partnership for Research in Marine Renewable Energy (PRIMaRE) has opened the Call for Abstracts for the 13th PRIMaRE Conference through 30 March 2026. PRIMaRE 2026 will take place on 23-24 June 2026 at the Loughborough University in Loughborough, England.

The Call for Abstracts for the International Conference on Ocean Energy (ICOE) / Ocean Energy Europe (OEE) 2026 is open until 31 March 2026. ICOE/OEE will take place on 5-7 October 2026 in The Hague, The Netherlands.

The American Society of Mechanical Engineers (ASME) is inviting submissions to a special session, "Design and Dynamics for the Blue Economy", at the International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC-CIE 2026). The session highlights advances in design automation, dynamics, and systems approaches supporting sustainable ocean industries, including marine energy and coastal resilience. Submit papers by 31 March 2026 and presentation-only abstracts by 20 April 2026. For questions, email Prof. Maha Haji. IDETC-CIE will take place on 23-26 August 2026 in Houston, Texas, USA.

The INSITE Programme has opened the Call for Abstracts for the 2026 Structures in the Marine Environment (SIME) Conference through 2 April 2026. SIME will take place on 9-10 June 2026 in Newcastle, England.

The Call for Abstracts for OCEANS 2026 Monterey is open through 20 April 2026. The conference will take place on 21-24 September 2026 in Monterey, California, USA.

The Call for Abstracts for the 2026 University Marine Energy Research Community (UMERC) Annual Conference and Marine Energy Technology Symposium (METS) is now open through 30 April 2026. UMERC/METS 2026 will take place on 4-6 August 2026, at Stevens Institute of Technology in Hoboken, New Jersey, USA.

The Society for Underwater Technology's (SUT) Offshore Site Investigation and Geotechnics (OSIG) Committee has opened the Call for Abstracts for the 10th International SUT OSIG Conference on Geophysics, Geoscience & Geotechnics for Energy and Resource Resilience until 30 April 2026. The conference will take place on 14-16 September 2027 in London, England.

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 15 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.

Funding & Testing Opportunities

The Scottish Government has opened applications for the Marine Fund Scotland for 2026-27, which is focused on supporting projects that deliver outcomes relating to Scotland's Blue Economy Vision. The closing date for the first round of applications is 15 May 2026.

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.

Career Opportunities

The University of Houston's Structural Performance and Fluid-Structure Interaction Lab is inviting applications for a funded PhD position on Marine Energy to lead numerical and experimental investigations in marine energy and support education curricula development.

The University of Washington (UW) is offering four paid Undergraduate Research Assistant opportunities to UW students. The students will support projects focused on Distributed Acoustic Sensing (DAS) for salmon, underwater noise sensors for the Drifting Acoustic Instrumentation System (DAISY), particle image velocimetry (PIV), and wave energy converters (WECs).

CorPower Ocean is hiring for several positions, including a Principal Mechanical Engineer, Grid Connection Engineer, Systems Engineer, Principal Electrical Engineer, Logistics Technician, and Powertrain Test Engineer.

Panthalassa is seeking to fill several positions, including a Senior Technical Program Manager - Marine Operations, Fleet Operations Lead Engineer, Senior Cable and Harness Design Engineer, and Senior Electrical Engineer.

Frugal & Accurate Innovation for Responsible CFD (FairCFD) is offering a PhD position on DC2: Efficient Simulation an Optimization of Buoy Arrays for Wave Energy Harvesting to be hosted at the Institut de Mécanique des Fluides de Toulouse (IMFT). Apply by 31 March 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 International Renewable Energy Agency (IRENA) and the Indian Ocean Rim Association (IORA) are hosting a two-part webinar series, *Toward Ocean Energy Readiness in Indian Ocean Rim Association Member States*. The first webinar, "Offshore Renewable Energy Technologies", will take place on 26 March 2026 from 10:00am-12:00pm GST and the second webinar, "Ocean Energy Technologies", will take place on 30 April 2026 from 10:00am-12:00pm GST.

The Maine Department of Energy Resources is hosting its 2027 Maine Energy Plan Kickoff Webinar on 27 March 2026 from 10:00-11:00am EDT (2:00-3:00pm UTC). The meeting will include a discussion of Maine's 2025 Energy Plan and the planning process to develop the next plan over the course of 2026. The meeting will also cover a new Request for Information that DOER will be released in the coming weeks to help inform the next plan, initial priorities, and broad plans for stakeholder engagement throughout the year.

NLR is hosting the next webinar its *Marine Energy Microgrid and Power Electronics Webinar Series*, "A HERO WEC Journey: Energizing Microgrids With Wave Energy", on 13 April 2026 at 12:00pm MDT (6:00pm UTC). The webinar will cover practical considerations for deploying

wave energy devices and lessons learned from real-world Hydraulic and Electric Reverse Osmosis Wave Energy Converter (HERO WEC) deployments.

TEAMER is hosting a webinar, "TEAMER Commercialization Facility Showcase", on 8 April 2026 from 11:00am-12:30pm PDT (6:00-7:30pm UTC). During the webinar, TEAMER facilities offering Commercialization support capabilities will introduce the types of support they can offer and the experts who carry out the work. The facilities presenting are NLR, VentureWell, Factor, OpenSeas Technology Innovation Hub, Yet2, and Environmental Science Associates.

NLR is hosting the next two webinars in its *Marine Energy Microgrid and Power Electronics Webinar Series*, "Advancing Power Electronics for Wave Energy Converters" on 8 June 2026 at 12:00pm MDT (6:00pm UTC), and "Microgrid Power Hardware-in-the-Loop Modeling" on 10 August 2026 at 12:00pm MDT (6:00pm UTC).

Upcoming Masterclasses & Short Courses

Atlantic Marine Energy Center (AMEC) is offering graduate-level courses that require knowledge in marine energy, engineering, and other technical skills. Tidal & Water Current Energy Conversion will take place on 10-14 August 2026 at the University of New Hampshire, Durham, New Hampshire, USA. Apply by 31 March 2026.

The University of Alaska Fairbanks (UAF) is offering a 5-day graduate-level short course, Hydrokinetics in a Week: Fieldwork and Fish Sampling on the Tanana, from 26 July to 1 August 2026 at UAF and the Tanana River Hydrokinetic Test Site in Fairbanks and Nenana, Alaska. The course will introduce students to field research for hydrokinetics, including resource characterization, turbine testing, and environmental monitoring. Apply by 27 March 2026.

As part of the Offshore for Sure (O4S) project, the Deftiq learning platform is offering their catalogue of Offshore Renewable Energy (ORE) online courses free of charge until the end of 2026. The curriculum covers the full ORE landscape—from technology development and testing to environmental impact, certification, finance, cyber security, digital twins, and more.

Upcoming Workshop

TEAMER is hosting a Deck Ops Workshop on 7-9 July 2026 at the Coastal Studies Institute in Wanchese, North Carolina, USA. This extended, in-person workshop will allow for deep participant engagement, integration of hands-on deployment scenarios, and increased access to experienced marine energy professionals, with emphasis on design-for-deployment, resiliency, and cross-discipline collaboration. Apply by 3 April 2026.

Upcoming Symposia

International Network on Offshore Renewable Energy (INORE) recently announced that the 2026 INORE North American Symposium will take place from 27 July to 1 August 2026 in Hoboken, New Jersey, USA, and the 2026 INORE European Symposium will take place from 27 September to 4 October 2026 in Bilbao, Spain. Applications will open soon.

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.

Technology Push, Market Pull: In-Depth Analysis and Policy Guidance for the Ocean Energy Sector – Collins et al. 2026

> This document is intended for policy makers and public funding bodies responsible for the creation of innovation programmes and market frameworks for ocean energy technologies. Based on two decades worth of case studies, evidence-led strategic guidance is derived from lessons learned from both successful and unsuccessful programme outcomes. The main objectives of this document are to:
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> - Understand global best practice geared towards ocean energy policy
> - Provide recommendations for technology push to aid in the development of innovation programmes to drive commercial viability
> - Provide recommendations for building a market framework to integrate ocean energy into the national grid.

Comparison of reanalysis datasets with historical wave buoy data in northern Scottish waters – McIlvenny et al. 2026

> Wave data are critical for assessing marine-energy potential, designing offshore infrastructure, and planning operations and maintenance activities. In regions where interest in renewable energy development is rapidly growing, reliable long-term wave datasets are essential. This study evaluates the reliability of four ocean-wave reanalysis models, ECHOWAVE, ERA5, WAVEWATCH III, and Copernicus Global Ocean Waves Analysis and Forecast, by comparing them to in-situ wave buoy measurements collected between 2011 and 2015 at multiple locations around northern Scotland. The study focuses on the reliability of long-term wave reanalysis datasets in a geographically specific and energy-relevant region. We show that all four models correlate well with observed data, with notable improvements in bias reduction compared to earlier generations of wave modelling.

Technical Standard for Subsea Power Cables – American Bureau of Shipping (ABS) 2026

> Subsea power cables are vital infrastructure for transmitting electrical power over long distances underwater, serving as key links between offshore units and onshore grids, and multiple offshore installations. These cables are used in a wide range of applications, including offshore wind farms, renewable energy systems (wave, tidal, solar PV), fixed and floating offshore units, interconnectors, and subsea power transmission networks. The design, installation, and operation of subsea power cables pose unique challenges due to the harsh marine environment, significant water depths, and extended cable lengths. These factors necessitate rigorous standards to achieve the safety, reliability, and

longevity of the cable systems. This document outlines technical requirements for subsea power cables, providing guidance to engineers, project managers, and other stakeholders throughout the entire lifecycle of these key assets.

Telesto Highlights

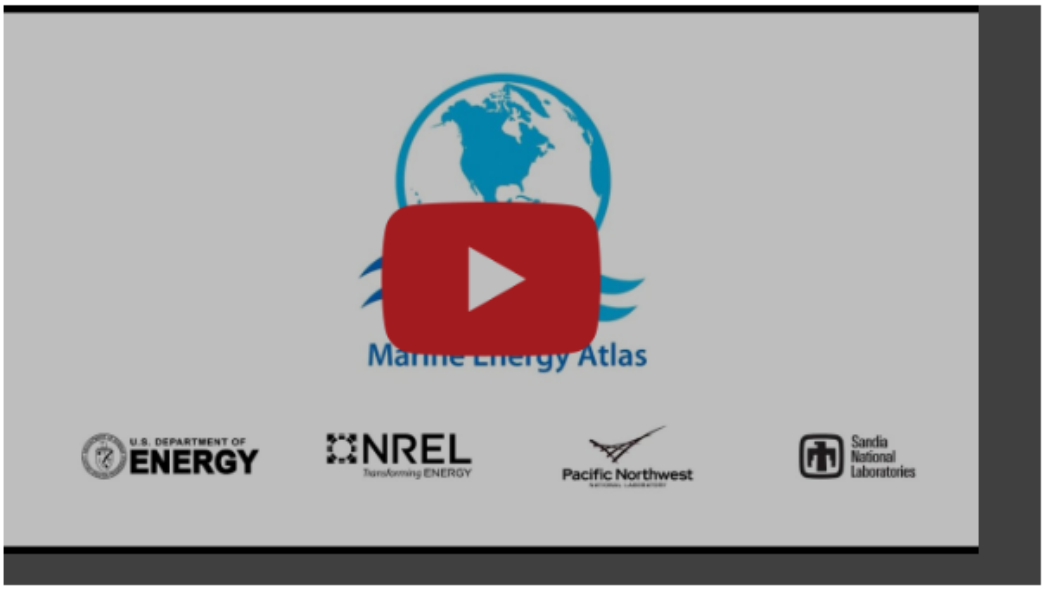
Telesto provides information and resources about the development life cycle of marine energy, as well as information on lessons learned, metrics, economics, standards, and compliance.

Performance Metrics for Marine Energy

Using performance metrics for marine energy can enhance critical analyses and help advance marine energy technologies towards commercialization. Key analyses might include evaluation of economics, technical potential of the sector, evolution and growth of the sector, and guidance for research and development programs. Performance metrics for marine energy need to be carefully assessed to ensure that they are applied objectively; incorrect application can result in misleading or erroneous results. The Performance Metrics for Marine Energy on Telesto includes those that are commonly used for evaluating marine energy systems and can serve as a reference for device developers, researchers, regulators, and other stakeholders. The performance metrics are organized into a faceted database that allows users to filter by technology, technology application, technology readiness level, and codes and standards.

Marine Energy Atlas Updates

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

Project Update on Minesto Dragons in the Faroe Islands: Microgrid-scale powerplant Dragon 4 in electricity production – Minesto

> Minesto´s commercial microgrid scale powerplant, Dragon 4, is now installed and produces electricity to the Faroese grid. This work is a preparatory first step of the microgrid project partly funded by Swedish Energy Agency and in close collaboration with project partners including Faroese utility company Sev. The Dragon 12 power plant has been successfully recovered to shore in Vestmanna after a 10-month grid-connected period. Extensive inspections and evaluations of system status will be conducted. Initial conclusions show that the system condition is as expected with signs of wear and tear after withstanding ocean conditions and exceeding set service intervals. Operations will continue throughout spring and summer primarily to serve delivery of the microgrid project ("ETRIC"), and to accommodate study visits from international commercial partners.

Norwegian wave energy pilot wraps up sea trials – Offshore Energy

> Norwegian wave power developer Havkraft has completed sea trials of its pilot device, with the gathered data to help guide the next stages of development. Following a lab test carried out in spring 2025, Havkraft deployed the new test pilot called Ocean One, a 1:4 scaled version of a future full-scale prototype, outside Måløy on January 9, in a water depth of 10 meters. The company reported on March 16 that the pilot device had completed its sea trials, which had the goal of testing the anchoring system and the reaction system (to TRL5), collecting data crucial for turbine manufacturing and PTO, the main focus after the completion of the campaign. The same unit will be deployed again in 2027, when the full TRL6 test will be done, covering the testing of the complete system, a prerequisite for further investments in a full-scale pilot which will go into 40-meter-deep water.

Seaturns Launches the World's First Pre-Commercial Offshore Wave Energy Project in Mauritius – Seaturns

> French company Seaturns, a wave energy technology developer announces the launch of its first pre-commercial offshore project in Mauritius Island. Seaturns has been selected as a winner of the NSEPCRET Round 3 call for projects (National Scheme for Emerging Project Concepts Based on Renewable Energy Technologies), led by the Mauritius Renewable Energy Agency (MARENA). This scheme aims to support innovative renewable energy technologies and provides a Power Purchase Agreement (PPA) with the Central Electricity Board (CEB), the national utility of Mauritius. A 2 MW pilot farm connected to the grid, with a scale-up to 10 MW. This project represents the world's first pre-commercial offshore deployment of a wave energy farm connected to a national electricity grid.

Norway-made adaptive mooring technology pilot installed at Portuguese testing site – Offshore Energy

> Oslo-headquartered Fred. Olsen 1848 has completed the pilot installation of automatic Tension Buoys at Europe's first open-access laboratory dedicated to testing technologies for floating and hydro solar power generation, an adaptive mooring technology designed to ensure stability and performance for FPV systems under large water level variations. Fred. Olsen 1848 announced the pilot installation of four automatic Tension Buoy units at the EDP Floating PV Lab, a dam lake in Portugal with water levels that rise and fall by 50 meters, with the installation process taking five days. The pilot installation will operate as a live demonstration for a year, delivering insights into system performance, reliability, and long-term maintenance.

New marine energy tech is put to the test at Harris Hydraulics Lab – University of Washington

> At the University of Washington Harris Hydraulics Lab, an odd scene plays out. Over and over again, researchers from the UW and the Pacific Northwest National Laboratory (PNNL) pass a small rubber model of a marine animal through a large tank filled with flowing water and fitted with a spinning turbine. On some runs, the model bonks against the turbine blades; on others, it receives a glancing blow or sails past undisturbed. When bonks or knicks occur, a small collision sensor on one of the turbine's blades detects the impacts and plots the interactions in a computer program. The researchers are repeatedly simulating something that they hope will rarely happen in the wild: a collision between marine wildlife like a seabird, seal, fish or whale — or submerged debris like logs — and an underwater turbine. Watch the video here.