



**15 August 2025**

[Tethys](#) is a knowledge hub with information and resources on the environmental effects of wind and marine energy. The bi-weekly [Tethys Blast](#) highlights announcements and upcoming events; new documents in the [Knowledge Base](#); and international energy news. [ORJIP Ocean Energy](#) has partnered with [OES-Environmental](#) to provide additional content. [Email us](#) to contribute!

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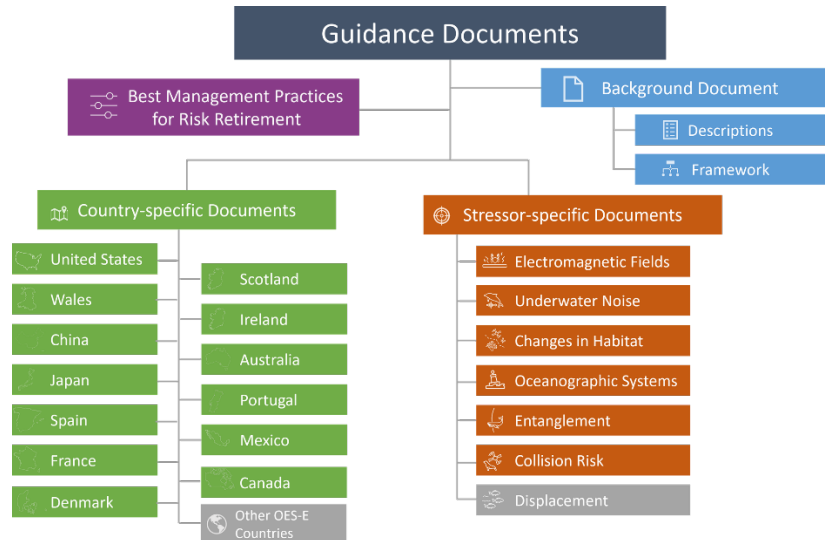
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## Announcements

### New Best Management Practices for Risk Retirement

OES-Environmental has published new [Best Management Practices for Risk Retirement](#) to assist marine energy developers or their consultants with implementing the risk retirement process and support environmental consenting dialogues with regulators. Visit the [Guidance Documents page](#) on Tethys to access the Best Management Practices, Guidance Documents, and more resources.



### SULI/CCI Applications Open

The U.S. Department of Energy's (DOE) Office of Science is now accepting applications for the Spring 2026 term for the [Science Undergraduate Laboratory Internships \(SULI\) program](#) and the [Community College Internships \(CCI\) program](#). Applications are due 1 October 2025.

### SCGSR Applications Open

The U.S. DOE's Office of Science Graduate Student Research (SCGSR) program is accepting applications for the [2025 SCGSR solicitation 2 cycle](#). Applications are due on 5 November 2025. SCGSR application assistance workshops will be held on [11 September 2025](#) from 2:00-3:30pm EDT and [9 October 2025](#) from 2:00-4:30pm EDT.

### Scottish Consultation

The Scottish Government recently launched a consultation on the [Strategic Compensation Policy for Offshore Wind](#), which closes on 1 September 2025. The proposals aim to provide new opportunities for investment to conserve Scotland's marine environment by enabling a more flexible approach to compensation requirements.

### UK Consultation

The Department for Environment, Food and Rural Affairs is seeking views on its proposed [Offshore Wind Environmental Compensatory Measures Reforms](#) through 2 September 2025. The reforms are intended to provide more clarity on requirements for environmental compensation when unavoidable damage to a Marine Protected Area occurs during offshore wind development.

### Request for Proposals

Battelle Memorial Institute, Management & Operating Contractor of the U.S. DOE's Pacific Northwest National Laboratory (PNNL), is [requesting proposals for a tidal turbine system](#). Interested parties are invited to submit a proposal by 5 September 2025.

### Calls for Abstracts

The [Call for Abstracts](#) for the [Ocean Sciences Meeting \(OSM\) 2026](#) is open until 20 August 2025. OSM 2026 will take place on 22-27 February 2026 in Glasgow, Scotland.

The Marine Alliance for Science and Technology for Scotland (MASTS) has opened the Call for Abstracts for the [15<sup>th</sup> MASTS Annual Science Meeting \(ASM\)](#) until 29 August 2025. The ASM will take place on 18-20 November 2025 at the University of Strathclyde in Glasgow, Scotland.

The [Call for Abstracts](#) for the [European Seminar on AI for Sustainability and Climate Change](#) is open through 30 August 2025. The seminar will take place on 15 January 2026 online.

The [Call for Abstracts](#) for [Torque 2026](#) is open through 1 September 2025. Torque 2026 will take place on 3-5 June 2026 in Bruges, Belgium.

The [Call for Abstracts](#) for [WindEurope's Annual Event 2026](#) is open through 5 September 2025. WindEurope 2026 will take place on 21-23 April 2026 in Madrid, Spain.

The [Call for Proposals](#) for the [Offshore Technology Conference \(OTC\)](#) is open until 9 September 2025. OTC 2026 will take place on 4-7 May 2026 in Houston, Texas, USA.

The Call for Session Proposals for the [2<sup>nd</sup> National Environmental Monitoring Conference](#) is open through 12 September 2025. The conference will take place on 15 December 2025 in Edinburgh, Scotland.

The [Call for Abstracts](#) for the [Pan-American Marine Energy Conference \(PAMEC\)](#) is open until 15 September 2025. PAMEC will take place on 12-15 April 2026 in Rio de Janeiro, Brazil.

The [Call for Abstracts](#) for the [39<sup>th</sup> International Conference on Coastal Engineering \(ICCE\)](#) is open through 1 October 2025. ICCE 2026 will take place on 17-22 May 2026 in Galveston, Texas, USA.

The [Call for Abstracts](#) for the [European Energy Research \(EERA\) DeepWind Offshore Wind Research and Innovation Conference](#) is open through 15 October 2025. The conference will take place on 14-16 January 2026 in Trondheim, Norway.

### Funding & Testing Opportunities

Offshore Renewable Energy Catapult is accepting applications for the [Wales Innovation in Marine Monitoring Competition](#), which aims to provide targeted support and remove barriers to encourage UK marine monitoring businesses to enter the offshore wind supply chain, enabling the development of Irish and Celtic Sea projects. Applications are due 31 August 2025.

The Centre for Ocean Applied Sustainable Technologies (COAST) has launched a [Call for Expressions of Interest](#) related to the British Columbia Marine Energy and Decarbonization Hub's first industry-led "Innovation Challenge." COAST is seeking short replies from marine technology companies with relevant technical capacities, and respondents will be the first to receive the program application when it is released in Fall. The deadline is 5 September 2025.

The Offshore Wind Growth Partnership has opened applications for the [Wind Expert Support Toolkit \(WEST\)](#) programme. WEST is a short-term intervention activity which aims to support growth of UK offshore wind supply chain companies through provision of specialist advice, market intelligence, and strategic insight into the sector. Applications are due 5 September 2025.

Supergen Offshore Renewable Energy (ORE) Hub has opened its [6th Flexible Funding Call](#) and is seeking research proposals from universities or other eligible institutions to facilitate a program of coordinated, UK-led ORE research projects in partnership with the Hub. Expressions of interest are due 1 September 2025, and full proposals are due 15 September 2025.

The Maine Governor's Energy Office has issued a [Request for Applications \(RFA\)](#) to advance research at the University of Maine's quarter-scale floating offshore wind demonstration project. The RFA will provide a unique in-water opportunity for small businesses to test innovative BlueTech and monitoring approaches at the site. Applications are due by 17 September 2025.

BirdLife International has released a [Call for Tender](#) looking for a consultant to review international environmental regulatory frameworks for onshore wind energy for consideration in the Australian context. Applications are due 22 August 2025.

BirdLife International has also released a [Call for Tender](#) looking for a consultant to update the Australian Light Pollution Guidelines for Wildlife to include specific guidance for marine mammals. Applications are due 22 August 2025.

The Testing Expertise and Access for Marine Energy Research (TEAMER) program, sponsored by the U.S. Department of Energy and directed by the Pacific Ocean Energy Trust (POET), is accepting [Request for Technical Support \(RFTS\) 17](#) applications through 3 October 2025 to support marine energy testing and development projects.

### Career Opportunities

The International Council for the Exploration of the Sea (ICES) is seeking an experienced and strategic leader to serve as [Head of the Advice Department](#) and coordinate the development and delivery of impartial and transparent advice to governments and intergovernmental organizations. Applications are due by 17 August 2025.

Marine Energy Wales is hiring a [Membership Coordinator](#) to help keep their members informed, engaged, and excited to be part of Marine Energy Wales, as well as support event planning, business support, and development work. Applications are due by 21 August 2025.

The Royal Society for the Protection of Birds (RSPB) is seeking a [Conservation Scientist](#) to join the RSPB's UK Marine Science team and help inform its policy and response to how to facilitate offshore wind development in harmony with nature. Applications are due 28 August 2025.

University of Southampton is offering a funded PhD project focused on [Machine Learning for multi-channel underwater acoustic data](#). This project aims to develop machine learning techniques for processing data collected from an array of hydrophones sited off the Sussex coast. Applications are due by 31 August 2025.

The National Wildlife Federation (NWF) is seeking a [Campaign Coordinator for Offshore Wind Energy](#) to assist in campaign planning, support priority campaign activities, cultivate new and existing partnerships, and represent at public events.

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## Upcoming Events

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

### Upcoming Webinars

Oregon Sea Grant is hosting a webinar, “[Understanding Marine Mammal and Seabird Distribution to Inform Offshore Wind Energy: The MOSAIC Project](#)”, on 20 August 2025 from 10:00-11:30am PDT (5:00-6:30pm UTC). [Register here.](#)

The Marine Environmental Data and Information Network (MEDIN) is hosting a webinar series to support better data stewardship and highlight emerging tools, standards, and approaches in marine data. The first webinar, “[Navigating Marine Data: Planning, Stewardship, and the value of MEDIN](#)”, will take place on 20 August 2025 from 2:00-3:00pm BST (1:00-2:00pm UTC).

PNNL is hosting a webinar for the National Renewable Energy Laboratory's (NREL) Enabling Coexistence Options for Wind Energy and Wildlife (ECO Wind) project, titled “[The Importance of Upstream Research for Understanding Wind Energy and Wildlife Interactions](#),” on 26 August 2025, from 11:00am–12:00pm EDT (3:00-4:00pm UTC). [Register here.](#)

The Renewable Energy Wildlife Institute (REWI) is hosting the second webinar in its Wind-Wildlife Webinar Series, “[BOEM Environmental Studies Program - Bat Activity Throughout the California Coast and Offshore Environment](#)”, on 27 August 2025 at 1:00pm EDT (5:00pm UTC). This webinar will discuss recent updates on spatial and temporal activities of migratory and non-migratory bat species along the California coastline and offshore. [Register here.](#)

REWI is also hosting the third webinar in its Wind-Wildlife Webinar Series, “[Hoary Bat Motus Tracking Project](#)”, on 28 August 2025 at 3:00pm EDT (7:00pm UTC). This webinar will cover a study using the Motus Wildlife Tracking System to discuss hoary bat migration, as well as activity patterns of non-migratory bats, primarily in California and Washington. [Register here.](#)

REWI is also hosting a webinar, “[REWRF in Focus: Recent Publications from the Renewable Energy Wildlife Research Fund \(REWRF\)](#)”, on 4 September 2025 at 12:00pm EDT (4:00pm UTC). The webinar will share insights from three recent publications on REWRF-supported research on wind energy and wildlife, including bats and lesser prairie chickens. [Register here.](#)

PNNL, NREL, and Sandia National Laboratories have teamed up for an informational [Marine Energy Career Panel](#) on 17 September 2025 from 2:00-3:30pm PDT (9:00-10:30pm UTC). Staff across various research disciplines will discuss their marine energy careers (past, present, and future) including their background, education, career path, and current projects. [Register here.](#)

The Supergen Offshore Renewable Energy Hub is hosting a webinar, “[Real World Marine Energy Testing - the Benefits and Challenges](#)”, on 30 September 2025 from 1:00-2:00pm. This session will explore the current landscape of the marine energy industry in Wales and a deep dive into the practical experience of at-sea testing. [Register here.](#)

## Upcoming Conferences

The Global Wind Energy Council is hosting the [Asia Pacific Wind Energy Summit 2025](#) on 16-18 September 2025 in Melbourne, Australia. Early bird registration ends 15 August 2025.

The Dutch Marine Energy Centre (DMEC) is hosting the [DMEC Nature+ Conference 2025](#) on 30 September 2025 in Scheveningen, the Netherlands and online. [Register here.](#)

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## **New Documents on Tethys**

*[Tethys](#) hosts thousands of documents on the environmental effects of marine and wind (land-based and offshore) energy, including journal articles, conference papers, and reports.*

## **Marine Energy**

### **[Sea Space Analysis for Wave and Tidal Energy](#) – Lee et al. 2025**

Senate Bill 605 (SB 605, Padilla, Chapter 405, Statutes of 2023) directs the California Energy Commission (CEC) to evaluate the feasibility, costs, and benefits of using wave and tidal energy as forms of clean, renewable energy for California. The evaluation of feasibility, costs, and benefits were discussed in a report published in November 2024 and summarized in the draft 2024 Integrated Energy Policy Report Update (Draft 2024 IEPR Update), published in December 2024. This second report analyzes suitable sea space for deploying wave and tidal energy projects in state and federal waters. In identifying suitable sea space, this report considers existing data and information regarding wave and tidal energy resource potential, commercial viability of current technologies, the protection of cultural and biological resources, monitoring and adaptive management techniques, and required transmission facilities and infrastructure.

### **[Marine Mammal Monitoring: Methods, Technologies, and Opportunities for Innovation](#) – Dorrian et al. 2025**

The Marine Mammal Monitoring: Methods, Technologies, and Opportunities for Innovation project, led by the Institute of Marine Engineering, Science & Technology's (IMarEST) Marine Mammal Special Interest Group (MMSIG) in collaboration with the Department for Environment, Food and Rural Affairs (Defra) under the Marine Natural Capital and Ecosystem Assessment (mNCEA) programme, evaluated current methodologies and emerging technologies in marine mammal monitoring. The project methodology included a comprehensive literature review, stakeholder survey with 133 respondents, a horizon scan, and a dedicated online workshop attended by 188 subject matter experts from academia, industry, government, and conservation organisations. Evaluated technologies included artificial intelligence (AI), passive acoustic monitoring (PAM), environmental DNA (eDNA), satellite-based detection, and automated data integration.

**Environmental impact evaluation of an oscillating water column – Rubio-Clemente et al. 2025**

This study evaluates the environmental impacts of an oscillating water column (OWC) system used for renewable energy generation, employing Conesa's methodology. By conducting a comprehensive assessment, various environmental parameters, such as water quality and marine-coastal ecosystems, are thoroughly analyzed. The methodology entails a systematic approach to identify, assess, and prioritize potential impacts, ensuring a holistic view of the environmental implications. Through data collection and analysis, critical impacts, including changes in biodiversity, alterations in habitat conditions and variations in water quality indicators, are highlighted. The findings emphasize the importance of mitigating adverse effects, proposing practical recommendations that aim to balance energy production with ecological preservation.

## **Wind Energy**

**Seabirds in 3D: A Framework to Evaluate Collision Vulnerability with Future Offshore Wind Developments [Final Report] – Wallach et al. 2025**

California aims to decarbonize electricity delivered to customers in the state, with a goal ensuring that 100 percent of electricity sales are from renewable sources and zero-carbon resources by 2045. Offshore wind is expected to play an important role in reaching this goal, due to the strong and reliable winds offshore California. Realizing the potential of offshore wind while minimizing impacts to biodiversity is also a priority for the state and many stakeholders. This study evaluates the potential tradeoffs between the collision vulnerability of 44 types of seabirds and offshore wind power-generation along California's coast. Using a multi-objective framework, the team assessed anticipated energy production and seabird densities at heights where seabirds are vulnerable to colliding with rotating turbine blades, highlighting regions that minimize seabird exposure while ensuring viable power generation.

**Day-night redistribution of air pollutants induced by onshore wind farm clusters in winter – Wang et al. 2025**

Wind power has emerged as a prominent source of renewable energy, eliciting mounting apprehensions regarding its potential atmospheric ramifications. In this study, we employed the mesoscale Weather Research and Forecasting and Community Multiscale Air Quality modeling system, coupled with wind farm parameterization, to explore the effects of wind farm clusters on the diurnal variation of meteorological elements and air pollutants distributions at Zhangbei County in China. The results show that the extraction of wind power from the airflow has a greater impact on the atmosphere at night than during the day. Importantly, wind farm clusters redistribute air pollutants. The pollutant concentration in the wind farm's dense area decreases during the day and increases at night, while its spatial variation is negligible. It provides a feasible method to evaluate the environmental effects and a practical dataset for the diurnal redistribution of air pollutants caused by wind farms.

## **Multi-sensor Arrays Provide Complementary Information on Bat Presence and Activity in the Offshore Environment – Amichai et al. 2025**

Two Acoustic and Thermographic Offshore Monitoring (ATOM) systems were deployed on wind turbines 42 km offshore to monitor bat activity throughout the year and around-the-clock, using thermal imagery, ambient-light video, and acoustic detectors. We documented a strong seasonal pattern, with 89% of bat detections occurring during late summer and early autumn. We recorded 31-38% of bat detections during daytime. Bats were present while turbine blades were spinning (64% of video detections), and although we occasionally documented altered flight paths, we never recorded a collision. Our results highlight the need for increased monitoring, using innovative and complementary methods, to understand bat presence and behavior in the offshore environment.

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## **News & Press Releases**

### **Marine Energy**

#### **Eco Wave Power Completes Full Installation at the Port of Los Angeles and Gears up for First Operational Testing – Eco Wave Power**

Eco Wave Power Global AB (publ) (NASDAQ: WAVE), a leading onshore wave energy technology company, is pleased to announce that its U.S. pilot project at the Port of Los Angeles has successfully reached a major milestone with the completion of all installation works. This includes full installation of all wave energy floaters, connection of hydraulic pipes and supporting infrastructure, and placement of the onshore energy conversion unit. With installation works finalized by C&S Welding Inc., Eco Wave Power is now gearing up for the first operational testing of the pilot project, to be followed by an official unveiling ceremony on September 9, 2025, at AltaSea at the Port of Los Angeles.

#### **Mocean Energy and SolarDuck join forces on wave-floating solar hybrid – Offshore Energy**

Scottish wave energy company Mocean Energy has signed a memorandum of understanding (MoU) with Netherlands-based floating solar developer SolarDuck to develop hybrid offshore renewable systems combining wave and floating solar power. According to Mocean Energy, the companies, both backed by Norwegian clean-tech fund manager Katapult Ocean, plan to target remote offshore sites across sectors including energy, defence, and the blue economy. The joint concept will focus on providing clean, reliable energy for power, communications and auxiliary systems to support remote offshore assets. Mocean Energy said that it has previously deployed its Blue X wave energy converter (WEC) prototype as part of the Renewables for Subsea Power program.

## **Heavy Metal Meets High Tides With 3D Printer – NREL**

When it comes to marine energy, metal is metal. "Compared to plastic, metal components can withstand five to 10 times as much force," said Paul Murdy, a mechanical engineer at NREL. Withstanding force—including the coastline-eroding, ship-tossing, surfer-dragging forces produced by ocean waves—is critical for marine energy devices, which are designed to generate energy from waves, currents, and tides. The budding marine energy industry has yet to zero in on the most seaworthy designs, in part because it can be expensive and time-consuming to design, build, and test each new full-scale prototype. Or it was until now—thanks to a new laser-powered metal three-dimensional (3D) printer at NREL's Flatirons Campus.

## **Global OTEC and Makai Ocean Engineering Sign MoU for Heat Exchanger Technology – Global OTEC**

In a positive development for the Ocean Thermal Energy Conversion (OTEC) industry, Global OTEC has signed a Memorandum of Understanding (MoU) with Makai Ocean Engineering (Makai), under which Makai will supply its proprietary Thin Foil Heat Exchanger (TFHX) technology for integration into Global OTEC's most recent solution, the OTEC Power Module®. This agreement reflects growing momentum toward technology commercialisation, bringing together Global OTEC's modular and modern approach and Makai's advanced TFHX to power the tropical area of the world. Makai Ocean Engineering, based in Hawaii, has been a leader in OTEC research and development for over four decades, including the design, construction, and operation of one of the only two grid-connected OTEC demonstration plants in the world.

## **Imenco Future Technologies, C-Power Partner on Ocean Energy System Deployment – C-Power**

Imenco Future Technologies, a provider of advanced technologies for the maritime industry, has joined C-Power's Partner Engagement and Co-development (PEC) Program as a collaboration partner and will participate in the upcoming 18-month field test of C-Power's SeaRAY autonomous offshore power system (AOPS). Imenco Future Technologies' maritime solutions include subsea cameras and surveillance systems, AI-based computer vision, wireless underwater communications, and leak-detection systems. The company will work with C-Power to examine data from the SeaRAY AOPS and the assets it supports during the field test to determine potential applications for the technology. During the deployment, C-Power plans to demonstrate the breadth and depth of the SeaRAY's capabilities simultaneously supporting surface and subsurface mobile and static assets in the ocean with power and data communications.

## **Wind Energy**

### **Commission approves €11 billion French State aid scheme to support offshore wind energy – European Commission**

The European Commission has approved a €11 billion French scheme to support offshore wind energy in line with the objectives of the Clean Industrial Deal. This measure will contribute to the transition towards a net-zero economy and reaching the renewable energy target set at EU level for 2030. The scheme was approved under the Clean Industrial Deal State Aid Framework ('CISAF') adopted by the Commission on 25 June 2025. The measure will support the construction and operation of three floating offshore wind farms: one in the sea off the coast of Southern Brittany and two others in the Mediterranean Sea. Each windfarm is expected to have a capacity of around 500 MW, and to generate around 2,2 TWh, equivalent to the annual consumption of 450 000 French households.

### **Colombia Offers 15-Year Contracts in Country's First Offshore Wind Round – Offshore Wind**

Colombia's Ministry of Mines and Energy has issued a new resolution launching the country's first offshore wind bidding round, which will operate under a contract for differences (CfD) scheme. The round is designed to promote strategic technologies that strengthen the resilience and sustainability of the National Interconnected System, according to the ministry. Colombia guarantees prices for 15 years, providing stability for investors and financial viability for new technologies. This will also reduce energy price volatility, protecting end users from unexpected price increases. The first round promotes the diversification of the electricity production, especially in a system vulnerable to phenomena such as El Niño. It will be accompanied by a detailed feasibility analysis, which will assess the impact on tariffs and the effects on the electricity market.

### **Circularity first: A second wind for turbine blades – Holcim**

As the winds of change blow across Europe, wind power continues to soar in popularity. However, a new challenge has emerged: "What to do with wind turbine blades at the end of their lives?" With the BLADES2BUILD partnership, an EU-funded project bringing together 14 corporate and academic partners from eight countries, Holcim is making great strides to provide a scalable solution whereby they transform old blades into building solutions such as ECOPact low-carbon concrete and close the loop. In a landmark step toward solving the blade waste challenge, multinational power company Endesa and Holcim have successfully demonstrated a full-scale circular solution at the Aldeavieja wind farm in Ávila, Spain.

### **UK Opens First Step of Seventh Offshore Wind Solicitation – The Maritime Executive**

The window officially opened on August 7, 2025, for the first phase of Allocation Round 7 (AR7), the UK's next solicitation for renewable energy. This round is viewed as the most consequential in the UK's energy goals, and the government has taken key steps to support the industry and to create strong interest. Round 7 begins with a 20-day period for eligible developers to submit their initial applications, which will be assessed in September against the qualifications. The final timing for submitting bids may change based on the current consultation process and potential challenges, but the program

anticipates bidding may conclude at the end of October or the latest, by early January 2026. Results will be announced approximately a month after the close of bidding.

### **Brazilian Renewable Energy Institute Setting Up Country's First Offshore Wind Training and Education Programmes – Offshore Wind**

Brazil's Centre for Gas Technologies and Renewable Energies (CTGAS-ER), part of the country's SENAI Institute for Innovation in Renewable Energy, and the UK-based Ocean Energy Pathway have launched the first joint training programme focused on offshore wind energy in Brazil. Later this month, SENAI will also launch a postgraduate course in offshore wind. The Basic Training in Offshore Wind course will be carried out in a pilot for the state of Rio Grande do Norte, with 60 participants from the Faculty of Renewable Energies and Industrial Technologies (FAETI), part of SENAI Rio Grande do Norte (SENAI-RN), CTGAS-ER, the SENAI Institute for Innovation in Renewable Energies (ISI-ER) and the Federal Rural University of the Semi-Arid (UFERSA). Classes in Basic Training in Offshore Wind will continue until 26 August.