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[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. [Email us](#) to contribute!

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Announcements

TEAMER Highlight

Did you know the [U.S. Testing Expertise and Access for Marine Energy Research \(TEAMER\)](#) program can support international applicants who partner with U.S.-based research facilities in the TEAMER network? [TEAMER's latest video](#) highlights a project between the University of Porto and Oregon State University on scour protections for a hybrid marine energy converter.



ETIPP Applications Open

The U.S. Department of Energy (DOE) recently opened applications for the [Energy Technology Innovation Partnership Project \(ETIPP\)](#), which helps coastal, remote, and island communities develop more affordable, reliable, and secure energy systems through strategic energy planning support and deep-dive technical assistance. [Register to join an informational webinar](#) on 30 September 2026 at 1:00pm MDT (7:00pm UTC) to learn more. Apply by 18 November 2026.

T-ReX Collegiate Competition

The U.S. DOE has opened applications for the inaugural [Technology Recycling and Repurposing \(T-ReX\) Competition](#), which challenges students to find creative yet practical ways to recycle or repurpose retired energy components and materials. Student teams from a variety of disciplines and institutions across the United States are invited to participate in either the Recycling Track or the Repurposing Track. Apply by 30 September 2026.

ROSA Data Governance Guidance

The Responsible Offshore Science Alliance (ROSA), a nonprofit organization that advances regional scientific research, monitoring, and understanding of fisheries and the interactions with blue economy activities in the United States, recently published the [ROSA Data Governance Guidance](#) to provide guidance around data management for the fisheries research and monitoring community as they scope, plan, and execute research and publish, manage, and share data.

Survey on Marine Energy in Tropical & Subtropical Countries

[OES-Environmental](#) is conducting a short [survey](#) to collect information about the potential environmental effects of marine energy development in tropical and subtropical countries. We are looking for information on any active or planned marine energy projects in these regions; any research, monitoring, or modeling efforts; and any relevant literature or other resources. We are also looking for contacts and/or organizations with experience and interest in these areas.

Calls for Abstracts & Papers

The Marine Alliance for Science and Technology for Scotland (MASTS) has opened the Call for Abstracts for the [MASTS 2026 Annual Science Meeting](#) until 31 August 2026. The meeting will take place on 10–12 November 2026 at the University of Strathclyde in Glasgow, Scotland.

The [Call for Abstracts](#) for [WindEurope's Annual Event 2027](#) is open until 4 September 2026. The event will take place on 22–24 April 2026 in Copenhagen, Denmark.

The [Call for Abstracts](#) for the [12th International Ocean Thermal Energy Conversion \(OTEC\) Symposium](#) is open until 15 September 2026. The symposium will take place from 30 November to 4 December 2026 in Bora Bora, French Polynesia.

The [Call for Abstracts](#) for the [13th International Conference on Scour and Erosion \(ICSE\)](#) is open through 15 September 2026. ICSE will take place from 31 August to 3 September 2027 at the University of Porto in Porto, Portugal.

The [Call for Abstracts](#) for the [European Energy Research Alliance \(EERA\) DeepWind 2026 Conference](#) is open until 14 October 2026. The EERA DeepWind conference will take place on 13–15 January 2027 in Trondheim, Norway.

Funding & Testing Opportunities

Natural Resources Canada's Offshore Wind Predevelopment (OWP) Program has opened Round 2 of its [Call for Proposals for Offshore Wind Indigenous and Coastal Communities Grant Funding](#). The OWP Program can provide grant funding up to \$10,000 per fiscal year per applicant, until 31 March 2028, to support engagement activities related to offshore wind development. Apply by 31 August 2026.

The U.S. DOE Office of Technology Commercialization recently announced the opening of a new [Small Business Innovation Research \(SBIR\) and Small Business Technology Transfer \(STTR\) Phase I](#) award opportunity focused on four Genesis Mission-focused topic areas. This initial release precedes a broader Phase I funding opportunity expected later this fall. Submit your pitches by 10 September 2026. Applications for FY25 SBIR/STTR Phase II funding opportunities are also open until 25 September 2026 (for eligible applicants).

OceanBoost, one of the consortiums bidding for the upcoming HORIZON ocean energy flagship call, has launched an [Expression of Interest](#) for proposals to join their consortium to deliver the Demonstration Challenge projects. Any organisation eligible for EU funding, including but not limited to technology developers, industrial companies, research organisations, universities, infrastructure providers, consultancies, and public bodies, is encouraged to respond by 5:00pm CEST on 22 September 2026.

The Nova Scotia Department of Energy is inviting applications from tidal energy developers seeking to test innovative in-stream tidal energy technologies in the Bay of Fundy as part of the [Demonstration Permit Program](#). Up to 7.7 MW of demonstration capacity is available under the program's 10 MW cap, with individual projects limited to less than 2 MW. The program offers permit terms of up to five years, with opportunities for renewal, and successful projects will enter into a prescribed power purchase agreement with Nova Scotia Power. Apply by 30 September 2026.

The U.S. TEAMER program, which supports marine energy testing and development projects, is accepting [Request for Technical Support \(RFTS\) 19](#) applications until 16 October 2026. TEAMER now provides [expertise, non-open water, and open water support](#), as well as [commercialization support](#).

The U.S. Department of Defense recently announced [Naval Facilities Engineering and Expeditionary Warfare Center \(NAVFAC EXWC\) Research, Development, Testing, and Evaluation](#) support to deliver specialized facility, ocean system, and expeditionary solutions. Applications will be reviewed every 3 months until 14 June 2027.

Career & Internship Opportunities

The University of Hawai'i is seeking a [Junior or Assistant Extension Agent](#) to advance community engagement, outreach, extension education, and communications related to marine energy and associated coastal and community resilience opportunities in Hawai'i and the U.S. Affiliated Pacific Islands. Apply by 31 August 2026.

The Supergen Offshore Renewable Energy (ORE) Hub is inviting applications for an [Early Career Network Lead](#). This voluntary role offers an excellent opportunity to work closely with the Hub Directors and contribute to the strategic direction of the Hub. Apply by 1 September 2026.

Proteus Marine Renewables is hiring an [Electrical Engineer](#) to contribute to the design and delivery of its tidal turbine generation systems across the full project lifecycle, from concept and detailed design through to factory acceptance testing, installation and commissioning. Apply by 4 September.

Bat Conservation International is hiring a [Research Scientist – Wind Energy Research](#) to deliver priority wind energy research projects and quantitative analyses related to bat fatalities and acoustics at wind energy facilities, and a [Bat Acoustic Research Scientist](#) to analyze bat acoustic monitoring data and manage collaborative projects. Applications will be reviewed on a rolling basis and accepted until the position is filled or 4 September 2026.

University of Southampton is offering a funded PhD project (for UK students only), [An ocean in balance: delivering a model of civic participation for just decision making in offshore energy](#). This PhD questions whether existing stakeholder engagement processes are fit for purpose to deliver just decision making in offshore energy development. Apply by 30 September 2026.

Ocean Renewable Power Company (ORPC) is looking for a [Regulatory Affairs Manager](#) to lead the permitting, licensing, and compliance strategies for its global portfolio; a [Project Development Manager](#) to lead assigned Canadian projects from development through construction readiness, deployment, commissioning and early operations; and a [Mechanical Engineer](#) to support design, development, testing, installation, and operation.

Akima is seeking a [Technical and Strategic Subject Matter Expert](#) to provide specialized technical and strategic expertise to the National Laboratory of the Rockies (NLR) Water Power Program staff in implementing DOE-sponsored projects focused on improved performance, lower costs, and reduced environmental impacts for marine energy technologies.

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

Sandia National Laboratories is hosting a webinar, “[Innovations in Hydrodynamic Energy Systems](#)”, on 3 September 2026 from 10:00–11:00am MDT (4:00–5:00pm UTC). Join Damian Gallegos-Patterson and Jorge Leon-Quiroga for a discussion of current projects including oscillating water column construction, 3-D printed motors, the Pioneer wave energy converter, and WEC-Spar bench testing.

TEAMER is hosting a [TEAMER Facility Showcase Webinar](#) from 11:00am–12:30pm PDT (6:00–7:30pm UTC) on 9 September 2026. Join us for a live webinar as representatives of five TEAMER facilities share the various ways their organizations can help marine energy developers advance their technologies and their businesses. These facilities' capabilities include a wide range of categories including technical device evaluation, physical testing (towing tank, wave basin), environmental analysis and modeling, commercialization support, and more.

The New York State Energy Research and Development Authority (NYSERDA) is hosting the first webinar in its [Learning from the Experts Mini-series: Offshore Construction Substation Installation](#) on 10 September 2026 from 10:00–11:00am EDT (2:00–3:00pm UTC). Experts from Ventolines will provide a deep dive into the offshore construction and installation processes that bring a project from permitted design to operational wind farm.

Renewable Energy Wildlife Institute (REWI) is hosting a webinar, “[Publication Deep Dive: AWWIC Technical Reports](#),” on 30 September 2026 at 12:00pm EDT (4:00pm UTC). Join for a look into updated key publications from the American Wind Wildlife Information Center (AWWIC), including the 3rd Edition Bat and Bird Technical Reports.

The [PrePARED](#) (Predators and Prey Around Renewable Energy Developments) project is hosting a webinar, “[PrePARED Offshore Wind Farm CEAs](#),” on 7 October 2026 at 12:00pm BST (11:00am UTC). During the webinar, Rachael Sinclair will present key findings from PrePARED Reports 009 and 013 on offshore wind farm cumulative effects assessments (CEAs) from two case studies.

Upcoming Deep Dive

The Dutch Marine Energy Centre (DMEC) is hosting a [Deep Dive: Specialised Markets of Offshore Renewable Energy - Turning Needs into Opportunities](#) on 29 September 2026 from 5:00-7:00pm CET at the DMEC Hub in The Hague, Netherlands. Andrew Smith from Deja Blue Consulting will speak about offshore data centers and Kristina Burke from EMEC will share her experience and perspective on islands.

Upcoming Masterclasses

The Supergen Offshore Renewable Energy Hub is offering several upcoming Masterclasses, including a [Masterclass on Optimising Offshore Renewable Energy Array Design and Locations for Safety, Fisheries Co-location and Environmental Aspects](#) on 5–6 October 2026 at the National Decommissioning Centre in Newburgh, Scotland, and a [Masterclass on Offshore Structural Integrity](#) on 14–15 October 2026 at the University of Strathclyde in Glasgow, Scotland.

Upcoming Conferences

Maritime Blue is hosting [One Ocean Week Seattle 2026](#) on 19–25 October 2026 in Seattle, Washington, USA. [See the live calendar of events and register here.](#)

[From Silos to Systems: Relational Frameworks to foster Collaboration, unlocking Value for Marine and Coastal Management](#) will take place on 20 October 2026 in London, England.

REWI is hosting the [16th Wind-Wildlife Research Meeting \(WWRM 2026\)](#) on 27–30 October 2026 in Albuquerque, New Mexico, USA. Early bird registration is available until 28 August 2026.

The Renewables Grid Initiative (RGI), the Global Initiative for Nature, Grids and Renewables (GINGR) and the International Union for the Conservation of Nature (IUCN) are hosting [Power & Nature: A Conference on Accelerating Electrification, Offshore Wind and Grids with Nature and People as Allies](#) on 30 November 2026 in Brussels, Belgium.

WavEC Offshore Renewables is hosting the [WavEC 2026 Annual Seminar - Portugal and the United Kingdom: Towards a Shared Vision for Floating Offshore Wind](#) on 2 December 2026 in Lisbon, Portugal.

DMEC and WavEC Offshore Renewables are also hosting the [Nature+ 2026 Conference](#) on 3 December 2026 in Lisbon, Portugal and online. [Register here.](#)

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

[Marine Renewable Energy and Economic Sustainability: Policy Frameworks for Scaling Offshore Wind and Tidal Power](#) – Garba 2026

This study investigates the policy frameworks necessary for scaling marine renewable energy (MRE), specifically offshore wind and tidal power, within the context of

economic sustainability. The objective is to critically examine how current policies support or hinder the expansion of MRE and to propose strategic frameworks that align environmental goals with long-term economic development. Drawing on a qualitative, comparative case study methodology, the research analyzes policy instruments and institutional arrangements in selected leading MRE countries, including the United Kingdom, South Korea, and Canada. Data sources include government policy documents, international energy databases, and expert interviews.

The effects of electrified submarine cables on movements of two commercially important crustacean species – Cote et al. 2026

Submarine energy infrastructure is expanding rapidly as offshore energy extraction and transport intensifies. Power transmission through submarine cables creates anomalies in the Earth's geomagnetic field, potentially affecting marine species that use natural electromagnetic fields (EMF) to navigate and forage. Most research on EMF effects on marine animals use laboratory or mesocosm experiments that constrain subject animal movements. The artificial nature of these studies limits their extension to real-world environments, creating uncertainty in predicting impacts of important infrastructure projects. We use hyperbolic positioning acoustic telemetry to assess the impacts of the Maritime Link submarine transmission line on the movements of commercially important Snow Crab and American Lobster.

Ocean Wave Energy Conversion and Policy Frameworks – Salih and Pingay 2026

Ocean wave energy represents a promising yet underutilized renewable energy source with significant potential to support global energy transitions, particularly in coastal and island regions. Despite substantial technological progress in wave energy conversion (WEC) systems, large-scale deployment remains limited. The existing literature is predominantly technology-oriented, while systematic syntheses focusing on policy and governance dimensions remain fragmented. This study conducts a policy-oriented scoping review to map the body of research on ocean wave energy conversion, with a particular emphasis on policy instruments, regulatory frameworks, and governance challenges that influence deployment and commercialization.

Wind Energy

Offshore wind farm-induced spatial redistribution of abundance alters survey indices and stock assessment performance – Sun et al. 2026

Fishery-independent surveys provide the primary fish relative abundance information for stock assessments, yet their performance can be compromised when the survey area is restricted and population distributions change spatially. Offshore wind development introduces both challenges by precluding some forms of survey sampling within Wind Energy Areas (WEAs) and by potentially altering fish abundance patterns through attraction- or production-driven processes. However, the combined consequences of these mechanisms for survey indices and stock assessment inference remain poorly quantified.

The present study evaluated how spatial abundance redistribution interacts with survey preclusion to influence survey-derived indices and assessment outcomes using a simulation-based approach with historical survey datasets.

Wind energy and protected areas on islands: Scaling, spatial intensity, inequality, and licensing outcomes across an archipelago – Gallou et al. 2027

Islands are increasingly positioned at the forefront of renewable energy transitions. They host high biodiversity, limited land availability, and growing wind-energy development, creating structural tensions between decarbonization and conservation. Yet the spatial distribution of renewable energy infrastructure across island systems remains poorly quantified. This study provides a distribution-sensitive assessment of terrestrial wind-energy development across Greek islands by examining scaling relationships, spatial intensity, inequality, spatial clustering, and licensing outcomes. We distinguish between absolute deployment metrics (installed capacity and total project footprint) and relative spatial intensity (normalized by island area).

Mapping the Evidence for Cumulative Adverse Effects of Offshore Wind Installations on Birds – Green-Tkacenko et al. 2026

Offshore wind (OSW) energy is rapidly expanding worldwide as countries aim to decarbonize their electrical grids. However, as OSW scales up to meet increasing demand, concerns about cumulative environmental effects have mounted. Over the past decade, empirical and theoretical studies on cumulative effects, especially on birds, have increased apace. We conducted a systematic review of the empirical literature on birds stored in the energy impact repository *Tethys* to determine how often different categories of evidence identified as important for understanding cumulative adverse effects have been measured. We used an evidence-mapping approach, aligning measurements recorded in *Tethys* with a published typology of evidence for cumulative adverse effects.

News & Press Releases

Marine Energy

Equinox Ocean Turbines reaches TRL 6 following successful open-water testing of Mobula® 5 – Equinox Ocean Turbines

Equinox Ocean Turbines (EQOT) has successfully completed open-water testing of its Mobula® 5 prototype at Marsdiep near Texel, the Netherlands — the first time the turbine has been deployed and operated outside a controlled testing environment. The Mobula® 5 was successfully deployed and recovered, with controlled diving and surfacing demonstrating the performance of its attitude-control system. The team also started and stopped the rotor and generated electrical power, validating the drivetrain, power take-off (PTO), and generator as an integrated system. Following the campaign, EQOT's technology has advanced to Technology Readiness Level 6 (TRL 6)—

demonstration of a prototype system in a relevant operational environment—providing an important technical foundation ahead of larger-scale deployment.

Flex2Future advances floating wave, wind and solar platform toward pre-2030 demo – Offshore Energy

Flex2Future, a Norwegian technology company developing floating offshore energy systems that combine wind, wave and solar power on a single platform, has wrapped up an extensive model testing campaign in Norway, putting its floating wave, wind, and solar energy platform concept through simulated offshore conditions ahead of plans for a full-scale demonstration before the decade ends. Flex2Future completed an extensive model test campaign in April 2026 at facilities operated by SINTEF Ocean, part of the Norwegian independent research organisation SINTEF, in Trondheim, Norway. The tests were carried out on a 1:25 scale model across two complementary campaigns. The Norwegian firm explains that the complete module, including a fully modelled mooring system, was tested in the Ocean Basin under combined waves, current, and wind to characterise the structure's dynamic behaviour.

Storm damage shut down Europe's boldest wave energy project and revealed something unexpected about its future – Energies Media

On the Atlantic coast of Portugal, a breakwater sits under repair — battered by storms that halted one of Europe's most closely watched wave energy projects before installation could even begin. The damage is a setback for Eco Wave Power, the company behind a planned 1 MW wave energy installation at Porto's Barra do Douro breakwater. But the disruption also raises a harder question: can onshore wave energy technology withstand the very ocean forces it's built to harness — and still make the leap from small pilots to commercial-scale power generation? The Barra do Douro breakwater didn't just take cosmetic damage. Storms hit hard enough that APDL — the port authority responsible for the infrastructure — had to launch formal rehabilitation works before Eco Wave Power could install any equipment.

Designing marine energy to ensure a just transition – Enlit

What does it take to make an energy transition truly just? For postdoctoral researcher Lara Santos Ayllón, the answer begins long before a new technology reaches the market. It starts with the decisions made during its development – who gets a voice, whose interests are prioritised, where the benefits go and what impacts are left behind. Her interest in these aspects of project development was shaped during her time at the European Marine Energy Centre (EMEC), where she began working in 2020 in a graduate role promoting wave and tidal energy and green hydrogen. Based in the Orkney Islands, Santos Ayllón found herself drawn not only to the ocean, but to the people and innovation surrounding it. It was there that she began to see marine energy as more than a technological challenge. It was an opportunity to ask bigger questions about how new energy systems are designed and who they ultimately serve.

Wind Energy

Offshore Wind Powering Ahead – Government of Victoria

Australia's first offshore wind auction is now live, creating thousands of new jobs. Minister for Energy and Resources Jaclyn Symes recently opened the Request for Proposal process for Victoria's first two gigawatts (GW) of offshore wind. This will provide enough energy to power around 1.5 million homes each year. Projects can now bid for contracts and will be assessed on value for money, deliverability and benefits for local workers, businesses and communities. Contracts are expected to be integrated into the national Electricity Services Entry Mechanism (ESEM), providing a pathway towards Victoria's target of nine GW of offshore wind. The auction will close in August 2027, with contracts expected to be awarded in 2028.

Four Turbines to Go at US Offshore Wind Farm Set to Power Rhode Island and Connecticut – Offshore Wind

The Revolution Wind offshore wind farm in the US is more than 95 per cent complete, with 61 of the 65 turbines installed, according to information Ørsted shared in its half-year results on 13 August. At the company's Sunrise Wind project site in the US, 20 wind turbines have been installed. Revolution Wind, which will power Rhode Island and Connecticut, continues to ramp up generation and remains on track for commissioning in the second half of 2026, Ørsted said. The first of the 65 Siemens Gamesa 11 MW wind turbines was installed in 2024, and the wind farm began delivering electricity to the New England grid at the beginning of 2026. Once in full operation, the 704 MW Revolution Wind will generate 400 MW of renewable energy for Rhode Island and 304 MW for Connecticut, enough to power more than 350,000 homes.

Monitoring birds around a floating offshore turbine: Fondation OPEN-C – Spoor

Spoor's camera-based monitoring system captured the full range of bird behaviour around a floating offshore wind turbine in France – from meso-avoidance and micro-avoidance to confirmed collisions. Floating offshore wind is opening up new sites further from shore and in deeper water. It is also opening up a knowledge gap. Empirical data on how seabirds and bats interact with floating turbines is scarce, and existing monitoring methods are mostly designed for fixed-bottom turbines near the coast. PIAFF&Co set out to address that gap at the SEM-REV test site, ~20 km offshore Le Croisic. Over the ~10-month campaign, the system produced ~32,000 AI-detected trajectories. Of these, 1,925 were selected for detailed expert review. 1,690 were confirmed as real bird tracks and formed the basis of the behavioural analysis.

China's megawatt-level S4000 'windmill' airship aces 13,123-foot altitude test – Interesting Engineering

China has completed a full-process flight test of its upgraded S4000 Stratosphere Airborne Wind Energy System (SAWES), marking a new step toward deploying high-

altitude wind power for electricity generation. The test was recently conducted at a base in Northwest China, *CCTV News* reported. The S4000 is designed to capture wind energy at altitudes far above those reached by conventional wind turbines. Its successful test moves the technology closer to engineering applications, according to the report. The system can operate at heights of up to 13,123 feet (4,000 meters), allowing it to reach stronger wind resources above the ground. The latest trial covered the complete operating process of the airborne system. It included ascent, station-keeping, electricity generation testing, and controlled recovery.