



22 December 2023

The [Tethys](#) Team here at the [Pacific Northwest National Laboratory](#) wishes you a very happy holiday season and a wonderful New Year! This special end-of-the-year edition of the Tethys Blast features a few announcements, opportunities, and upcoming events, as well as a brief look at some 2023 Tethys statistics! Thank you for contributing to Tethys throughout the year!

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Announcements

[ETIPP Seeking Regional Partners](#)

The U.S. Department of Energy's (DOE) Energy Transitions Initiative Partnership Project (ETIPP) is [seeking applications from regional partners](#) around the United States to design a 12- to 18-month project that will help increase the resilience and reliability of a clean energy grid in selected communities. ETIPP offers technical assistance to remote and island communities to analyze energy systems and plan for increased resilience. Applications are due 10 January 2024.

[Synchro Wants Low-Cost Tech](#)

To meet the growing demand for advanced ocean observing capabilities, Synchro recently launched a [solicitation for information to guide procurement of low-cost technology](#). This opportunity is aimed at supporting low-cost innovative technologies for marine biological and ecological observing. Submissions are due by 31 January 2024.

[BOEM Seeking Public Comments](#)

The U.S. Bureau of Ocean Energy Management (BOEM) [recently announced](#) it will conduct a regional environmental review of potential development activities on the five offshore wind lease areas off California's central and north coasts. Public comments are due by 20 February 2024.

Calls for Abstracts

American Clean Power (ACP) has opened the [Call for Proposals](#) for speaking and poster presentations at the [2024 ACP Siting & Permitting Conference](#) through 5 January 2024. The conference will take place 11-13 March 2024 in Colorado Springs, Colorado, U. S.

The [Call for Abstracts](#) for [European Geophysical Union \(EGU24\)](#) closes on 10 January 2024. EGU24 will take place on 14-19 April 2024 in Vienna, Austria and online.

The [2024 State of the Science Workshop on Offshore Wind Energy, Wildlife, and Fisheries](#) is now accepting [proposals for symposia and side meetings](#) and [abstracts for oral and poster presentations](#) through 26 January 2024. The workshop will take place 16-19 July 2024 in Long Island, New York, U.S.

Funding & Testing Opportunities

RWE has launched its first global [Floating Wind Co-use Competition](#), which is looking for innovative and sustainable solutions to promote co-existence with other sea users and biodiversity enhancement. Applications are due 31 December 2023.

France's National Offshore Wind Observatory has launched a [Call for Research Projects](#) to develop new knowledge on the marine environment and the impacts of offshore wind power on the environment. Applications for the second round are due 31 December 2023.

The U.S. DOE WPTO is accepting marine energy-related submissions for the [Small Business Innovation Research \(SBIR\) and Small Business Technology Transfer \(STTR\) programs](#), which offer competitively awarded grants to small businesses to support scientific excellence and technological innovation. The deadline to submit letters of intent is 3 January 2024.

The U.S. DOE recently announced up to \$10 million in funding for the [Inspiring Generations of New Innovators to Impact Technologies in Energy 2024 \(IGNIITE 2024\)](#) program, led by the Advanced Research Projects Agency-Energy. The program will support early-career scientists and engineers seeking to develop new energy technologies. Concept papers due 5 January 2024.

Career Opportunities

The Joint Nature Conservation Committee (JNCC) is seeking two [Marine Support Officers](#) to support the Marine Evidence and Marine Monitoring teams, which cover a range of activities including organizing offshore seabed surveys, managing marine data, and understanding human impacts on the marine environment. Applications are due 3 January 2024.

IFREMER, the French Institute for Ocean Science, has launched a call for proposals for [post-doctoral fellowships](#) focused on wave energy conversion, wave tanks, and hydrodynamics of floating structures. Applications are due 8 January 2024.

Pacific Northwest National Laboratory (PNNL) is seeking an [Operations Specialist 3](#) to work with researchers to ensure that PNNL processes and procedures are followed for all laboratory and field research activities. Applications are due 12 January 2024.

The Environmental Research Institute (ERI) is recruiting for a [Research Fellow in Renewable Energy and the Environment](#) to join its multi-disciplinary group working to advance understanding of the biophysical interactions of marine and offshore renewable energy with the environment. Applications are due 18 January 2024.

Upcoming Events

Upcoming Webinars

The International Energy Agency's Wind Task 34 ([WREN](#)) is hosting its 23rd webinar and first webinar in Spanish, "[Wind Energy and Wildlife: Perspectives from Latin America](#)", on 10 January 2023 from 11:00am-12:00pm PST (7:00-8:00pm UTC). The webinar will feature speakers from Argentina, Chile, and Mexico. View the Spanish flyer [here](#) and register [here](#).

PNNL and the National Renewable Energy Laboratory are hosting an informational [Marine Energy Career Panel](#) on 7 February 2024 from 3:00-4:30pm PST that will feature National Laboratory staff who are working to advance the marine energy industry. The webinar is aimed at current students and those interested in working in the marine energy industry. Register [here](#).

Upcoming Conferences

The [Pan American Marine Energy Conference \(PAMEC 2024\)](#) will take place on 22-24 January 2024 in Barranquilla, Colombia. Register [here](#).

The Pacific Ocean Energy Trust is hosting the [Northwest Offshore Wind \(NOW\) Conference 2024](#) on 30-31 January 2024 in Portland, Oregon, U.S. Early bird registration is available through 31 December 2023.

The [6th Symposium of the Scottish Marine Energy Research Programme \(ScotMER\)](#) will take place 6-8 February 2024 online. ScotMER will also be hosting participatory workshops on socioeconomics and Scotland's National Marine Plan 2.

Upcoming Workshops

In addition to the PAMEC 2024 Conference Program, PAMEC in partnership with key partners, is hosting several workshops prior to the conference.

- PNNL is hosting an [Ocean Thermal Energy Conversion \(OTEC\) Workshop](#) on 19 January to review OTEC technologies, discuss potential environmental effects, and examine additional uses of deep cold water. Register [here](#).
- The PRIMRE team is also hosting a workshop on [Marine Energy Data Organized – PAMEC Workshop on PRIMRE and International Data Sharing](#) on 20 January to present

on the resources available within PRIMRE and discuss opportunities for international databases to connect to the system. Register [here](#).

- Fundy Ocean Research Centre for Energy (FORCE) is also hosting a workshop on [Monitoring for Interactions Between Marine Animals and MRE Devices](#) on 20 January to present on environmental monitoring around wave and tidal devices. Register [here](#).
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2023 Tethys Stats

Over the past year, the Tethys Team has added over 1,000 marine and wind energy documents to the [Tethys Knowledge Base](#) and Tethys has been visited by over 247,000 users!

Top 10 Viewed Marine Energy Documents

1. [OES-Environmental 2020 State of the Science Report: Environmental Effects of Marine Renewable Energy Development Around the World](#) – Copping & Hemery (Eds.) 2020
2. [World Seas: An Environmental Evaluation Volume III: Ecological Issues and Environmental Impacts](#) – Sheppard 2019
3. [Environmental Effects of Tidal Energy Development: Proceedings of a Scientific Workshop](#) – Polagye et al. 2011
4. [Environmental Impacts of Tidal and Wave Energy Converters](#) – Hutchison et al. 2021
5. [IEA-OES Annual Report: An Overview of Ocean Energy Activities in 2021](#) – Ocean Energy Systems 2022
6. [Offshore Aquaculture: A Market for Ocean Renewable Energy](#) – Freeman et al. 2022
7. [Annex IV 2016 State of the Science Report: Environmental Effects of Marine Renewable Energy Development Around the World](#) – Copping et al. 2016
8. [Economic and Social Benefits from Wave Energy Conversion Marine Technology](#) – Bedard 2007
9. [Islay Limpet Wave Power Plant Report](#) – The Queen’s University of Belfast 2002
10. [European offshore renewable energy, towards a sustainable future](#) – Soukissian et al. 2023

Top 10 Viewed Wind Energy Documents

1. [U.S. Offshore Wind Energy Noise Reduction Associated with Installation of Fixed-Bottom Foundations: Workshop Report](#) – Green et al. 2023
2. [Life-cycle green-house gas emissions of onshore and offshore wind turbines](#) – Wang & Jinxiang 2019
3. [Wind turbine blade material in the United States: Quantities, costs, and end-of-life options](#) – Cooperman et al. 2021

4. [Economic Impacts of Curtailing Wind Turbine Operations for the Protection of Bat Populations in Ontario](#) – Thurber et al. 2023
5. [How far are birds, bats, and terrestrial mammals displaced from onshore wind power development? – A systematic review](#) – Tolvanen et al. 2023
6. [Noise pollution from wind turbines and its effects on wildlife: A cross-national analysis of current policies and planning regulations](#) – Teff-Seker et al. 2022
7. [Fisheries and Offshore Wind Interactions: Synthesis of Science](#) – Hogan et al. 2023
8. [Standard Investigation of the Impacts of Offshore Wind Turbines on the Marine Environment \(StUK4\)](#) – German Federal Maritime and Hydrographic Agency 2013
9. [Review of seabird monitoring technologies for offshore wind farms](#) – Nicholls et al. 2022
10. [Characterisation of underwater operational noise of two types of floating offshore wind turbines](#) – Risch et al. 2023

Top 10 Countries Visiting Tethys

1. United States
2. United Kingdom
3. India
4. Canada
5. China
6. Philippines
7. Germany
8. Australia
9. France
10. Ethiopia

Top 10 Cities Visiting Tethys

1. London, UK
2. New York, NY, U.S.
3. Addis Ababa, Ethiopia
4. Ashburn, VA, U.S.
5. Seattle, WA, U.S.
6. Boardman, OR, U.S.
7. Washington, D.C., U.S.
8. Los Angeles, CA, U.S.
9. Houston, TX, U.S.
10. Sydney, Australia

The Tethys Team

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