



23 December 2022

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 2022 *Tethys* statistics! Thank you for contributing to *Tethys* throughout the year!

[Announcements](#)

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[2022 Tethys Stats](#)

Announcements

Educational Resources

[OES-Environmental](#) and Pacific Northwest National Laboratory recently published a series of animated videos on the effects of marine energy devices on ocean animals and habitats. Watch the series [here](#), and check out other [educational resources](#) on *Tethys* like our [coloring book](#).

SULI & CCI Applications

The U.S. Department of Energy (DOE) Office of Science is now accepting applications for the [Science Undergraduate Laboratory Internships \(SULI\)](#) program and the [Community College Internships \(CCI\)](#) program. Interns will work directly with national laboratory scientists and engineers that support the DOE mission. The application deadline is 10 January 2023.

Earthshot Prize Nominations

The European Marine Energy Centre (EMEC) is continuing its role as an Official Nominator for [The Earthshot Prize](#), which is seeking innovations that will help repair and regenerate the planet. EMEC has launched an [open call inviting submissions](#) for consideration until 17 January 2023.

BOEM Seeks Public Comment

The U.S. Bureau of Ocean Energy Management (BOEM) is seeking public comments on the draft Environmental Impact Statements for the [Empire Wind Project](#) (due 17 January 2023), the [Coastal Virginia Offshore Wind and Sunrise Wind projects](#) (due 14 February 2023), and the [New England Wind project](#) (due 21 February 2023).

Calls for Abstracts

American Clean Power is [accepting submissions](#) for panel and poster presentations opportunities at [CLEANPOWER 2023 Conference & Exhibition](#) through 30 December 2022. The event will take place on 22-25 May 2023 in New Orleans, U.S.

The [Call for Abstracts](#) for the [Marine Energy Wales Conference 2023](#) is now open through 16 January 2023. The conference will take place 21-22 March 2023 in Swansea, UK.

The [Call for Abstracts](#) for the [15th European Wave and Tidal Energy Conference Series \(EWTEC 2023\)](#) is now open through 28 January 2023. Full papers will be due 27 May 2023. EWTEC will take place on 3-7 September 2023 in Bilbao, Spain.

Funding & Testing Opportunities

The U.S. DOE has opened applications for the [Small Business Innovation Research \(SBIR\) and Small Business Technology Transfer \(STTR\) Program](#), which offers grants to small businesses to support technological innovation. Letters of intent are due 3 January and applications are due 21 February 2023.

The U.S. DOE Wind Energy Technologies Office (WETO) has released a [funding opportunity](#) to lower costs and address barriers to deployment of wind energy. Topic areas include social science research and bat deterrent technology development. Concept papers are due 20 January and applications are due 10 March 2023.

The European Commission has launched two new [Calls for Proposals](#) under the European Maritime, Fisheries and Aquaculture Fund (EMFAF) aimed at supporting careers and regional projects for a sustainable blue economy in EU sea basins. Proposals are due 31 January 2023.

Student & Employment Opportunities

The U.S. National Oceanic and Atmospheric Administration's Northeast Fisheries Science Center is seeking a [Social Scientist](#), [Marine Resources Management Specialist](#), and a [Marine Habitat Resource Specialist](#). Applications are due 27 December 2022.

Floating Power Plant is offering an [opportunity for candidates holding a Ph.D.](#) to join its business developing floating wind, wave, and hydrogen platforms for island communities. Applications are due 31 December 2022.

The University of Hull's Aura Centre for Doctoral Training in Offshore Wind Energy and the Environment is offering a [PhD scholarship](#) on the effects of very large scale offshore wind deployment on physical processes in the North Sea. Applications are due 4 January 2023.

The Responsible Offshore Science Alliance (ROSA) is seeking an [Executive Director](#) with deep knowledge and experience in cooperative and collaborative fisheries and offshore wind energy research. Applications are due 12 January 2023.

The Center for Ocean Engineering at the University of New Hampshire is inviting applications for a tenure-track position at the [Assistant, Associate, or Full Professor](#) rank who can contribute to ocean renewable energy research and other focus areas. Applications are due 22 January 2023.

The University of Hull is also inviting applications for a [PhD project](#) on fishing and very large scale offshore wind deployment in the North Sea. Applications are due 10 February 2023.

Upcoming Events

Upcoming Webinars

OES-Environmental is hosting a webinar from 3:30-5:00pm UTC on 19 January 2023 to share tools for designing and siting MRE projects with environmental effects in mind. This webinar will highlight OES-Environmental's [Management Measures Tool](#), AZTI's [Wave Energy Converter - Environmental Risk Assessment \(WEC-ERA\) Tool](#), and the [Marine Energy Environmental Toolkit for Permitting and Licensing](#) developed by Kearns & West. Register [here](#).

The New York State Energy Research and Development Authority's Offshore Wind team is hosting a webinar, "Bird Monitoring Methodology for Offshore Wind", as part of its [Learning from the Experts webinar series](#). The webinar will take place from 1:00-2:00pm EST (6:00-7:00pm UTC) on 11 January 2023.

The National Renewable Energy Laboratory and Renewable Energy Wildlife Institute are hosting a *Technology and Innovation in Wind Energy and Wildlife webinar series* to explore the evolution of turbine technology. The first webinar, "[The Future of Wind Energy Technology and Wildlife Considerations](#)", will take place from 3:00-4:00pm EST (8:00-9:00pm UTC) on 26 January 2023. Register [here](#).

Upcoming Conferences

The Marine Alliance For Science and Technology For Scotland is hosting the 5th Symposium of the Scottish Marine Energy Research Programme (ScotMER) from 31 January to 2 February 2023 online. Register for free [here](#).

The Pacific Ocean Energy Trust (POET) is hosting the [Northwest Offshore Wind Conference 2023](#) from 28 February to 1 March 2023 in Portland, U.S. Register [here](#).

2022 *Tethys* Stats

Over the past year, the *Tethys* Team has added over 700 marine and wind energy documents to the [Tethys Knowledge Base](#) and *Tethys* has been visited by over 189,200 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 Impacts of Tidal and Wave Energy Converters](#) – Hutchison et al. 2021
4. [IEA-OES Annual Report: An Overview of Ocean Energy Activities in 2021](#) – Ocean Energy Systems 2022
5. [Islay Limpet Wave Power Plant Report](#) – The Queen’s University of Belfast 2002
6. [Offshore Aquaculture: A Market for Ocean Renewable Energy](#) – Freeman et al. 2022
7. [EMEC Billia Croo Test Site: Environmental Appraisal](#) – Xodus Group 2019
8. [Environmental Effects of Tidal Energy Development: Proceedings of a Scientific Workshop](#) – Polagye et al. 2011
9. [Economic and Social Benefits from Wave Energy Conversion Marine Technology](#) – Bedard 2007
10. [Ocean renewable energy development in Southeast Asia: Opportunities, risks and unintended consequences](#) – Quirapas & Taeihagh 2020

Top 10 Viewed Wind Energy Documents

1. [Life-cycle green-house gas emissions of onshore and offshore wind turbines](#) – Wang & Jinxiang 2019
2. [Standard Investigation of the Impacts of Offshore Wind Turbines on the Marine Environment \(StUK4\)](#) – Federal Maritime and Hydrographic Agency of Germany 2013
3. [IEA Wind White Paper Cumulative Effects Analysis for Wind Energy Development: Current Practices, Challenges, and Opportunities](#) – Gill & Hein 2022
4. [Wind turbine blade material in the United States: Quantities, costs, and end-of-life options](#) – Cooperman et al. 2021
5. [Offshore wind turbine operations and maintenance: A state-of-the-art review](#) – Ren et al. 2021
6. [Exploring the environmental and economic impacts of wind energy: a cost-benefit perspective](#) – Adeyeye et al. 2020
7. [Comparison of Environmental Effects from Different Offshore Wind Turbine Foundations \(2021 Revision\)](#) – Horwath et al. 2021
8. [Environmental Impact Assessment for the decommissioning of offshore wind farms](#) – Hall et al. 2022

9. [Noise mitigation for the construction of increasingly large offshore wind turbines – Koschinski & Lüdemann 2020](#)
10. [Vineyard Wind 1 Offshore Wind Energy Project: Final Environmental Impact Statement – BOEM 2021](#)

Top 10 Countries Visiting *Tethys*

1. United States (65,620 users)
2. United Kingdom (20,370 users)
3. India (10,292 users)
4. Philippines (7,448 users)
5. Canada (6,796 users)
6. China (6,644 users)
7. Germany (4,466 users)
8. France (3,705 users)
9. Australia (3,596 users)
10. Ethiopia (3,021 users)

Top 10 Cities Visiting *Tethys*

1. London, UK (4,412 users)
2. Addis Ababa, Ethiopia (2,399 users)
3. New York, NY, U.S. (2,380 users)
4. Houston, TX, U.S. (1,553 users)
5. Edinburgh, UK (1,494 users)
6. Seattle, WA, U.S. (1,396 users)
7. Dublin, Ireland (1,312 users)
8. Washington, D.C., U.S. (1,285 users)
9. Los Angeles, CA, U.S. (1,180 users)
10. Ashburn, VA, U.S. (1,125 users)

The *Tethys* Team

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