



25 December 2020

The [Tethys](#) Team here at the Pacific Northwest National Laboratory would like to wish 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 2020 *Tethys* statistics!

[Announcements](#)

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Announcements

ETIPP Community Technical Assistance

The National Renewable Energy Laboratory (NREL) is now accepting community technical assistance applications for the [Energy Transitions Initiative Partnership Project \(ETIPP\)](#), a partnership among U.S. Department of Energy (DOE) offices, national labs, and community organizations that will provide resources and access to on-the-ground support for remote and island communities in the U.S. seeking to transform their energy systems and lower their vulnerability to energy disruptions. Applications are due by 15 February 2021.

Call for Abstracts

Abstract submissions for the [14th European Wave and Tidal Energy Conference \(EWTEC 2021\)](#) are now being accepted until 8 January 2021. EWTEC 2021 will be held as a hybrid conference in Plymouth, UK from 5-9 September 2021.

Funding Opportunities

The Supergen Offshore Renewable Energy (ORE) Hub has released its [Third Flexible Funding Call](#) and is seeking research proposals from universities or other institutions eligible to hold UK Research and Innovation awards to facilitate a programme of coordinated ORE research projects. Expressions of Interest are due by 5:00pm UTC on 11 January 2021.

Innovate UK has announced an upcoming [Smart Grants funding competition](#) for UK registered organizations to apply for a share of up to £25 million to deliver disruptive research and development innovations. The competition closes at 11:00am UTC on 20 January 2021.

Student/Employment Opportunities

The U.S. DOE Water Power Technologies Office (WPTO) is currently looking for a new staff member to join its team as a General Engineer with WPTO's Marine and Hydrokinetic (MHK) Program. As an MHK Technology Manager and Technical Project Officer, the position will manage research, development, and demonstration activities related to marine energy technologies. Learn more [here](#). Applications are due by 31 December 2020.

Australia's Blue Economy Cooperative Research Centre has launched a [PhD Scholars Program](#) with PhD topics available across its five research programs, including offshore renewable energy systems and sustainable development. Applications are due by 10 January 2021.

Bangor University is currently seeking a [Research Officer in Coastal Oceanography](#) to contribute to a research project funded by the Supergen ORE programme, investigating the interaction between highly turbulent tidal flows and the initiation of scour around a subsea cable in a mobile sedimentary environment. Applications are due by 18 January 2021.

Pacific Northwest National Laboratory (PNNL) is currently seeking a [Coastal and Marine Sciences Technical Intern](#) to join projects within one of three focus areas: (1) understanding the national laboratories' role and the unique place they have to accelerate work in coastal and marine ecosystems; (2) research and development of technologies focused on monitoring coastal ecosystems; and (3) MRE technologies and powering the blue economy. Applications are due by 25 February 2021.

Upcoming Events

Upcoming Webinar

The U.S. Bureau of Ocean Energy Management and the Oregon Department of Land Conservation and Development will be hosting an introductory webinar on the [Oregon Offshore Wind Mapping Tool \(OROWindMap\)](#) from 2:00-3:30pm PT (10:00-11:30pm UTC) on 28 January 2021. OROWindMap is a planning tool within the [West Coast Ocean Data Portal](#) that accesses relevant datasets and provides data visualization capabilities to inform the planning process for offshore wind energy leasing in federal waters offshore Oregon. Register [here](#).

Upcoming Conference

The [Supergen ORE Hub Third Annual Assembly](#) will be held online from 18-22 January 2021. Register for free [here](#).

2020 *Tethys* Stats

Over the past year, the *Tethys* Team has added over 1,250 documents to the [Tethys Knowledge Base](#) and *Tethys* has been visited by over 87,800 users!

Top 10 Marine Renewable 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. [Annex IV 2016 State of the Science Report: Environmental Effects of Marine Renewable Energy Development Around the World](#) – Copping et al. 2016
3. [Wave and Tidal Energy: Environmental Effects](#) – Iglesias et al. 2018
4. [Wave Power - Sustainable Energy Or Environmentally Costly? A Review With Special Emphasis On Linear Wave Energy Converters](#) – Langhamer et al. 2010
5. [Environmental Effects of Marine Energy Development around the World: Annex IV Final Report](#) – Copping et al. 2013
6. [Ocean Thermal Energy Conversion \(OTEC\) Environmental Impacts](#) – National Oceanic & Atmospheric Administration 2010
7. [Ocean Energy Systems Annual Report 2019](#) – Ocean Energy Systems 2020
8. [SeaGen Environmental Monitoring Programme: Final Report](#) – Keenan et al. 2011
9. [La Rance Tidal Power Plant: 40-Year Operation Feedback - Lessons Learnt](#) – de Laleu et al. 2009
10. [Islay Limpet Wave Power Plant Report](#) – The Queen’s University of Belfast 2002

Top 10 Wind Energy Documents

1. [Environmental Impacts of Renewable Energy](#) – Mazhar & Zia 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. [Humpback Whales and Floating Offshore Wind Farm Animation](#) – Grear et al. 2018
4. [Impacts on Biodiversity of Exploitation of Renewable Energy Sources: The Example of Birds and Bats](#) – Hötcker et al. 2006
5. [Environmental Impacts of Offshore Wind Farms in the Belgian Part of the North Sea: Marking a Decade of Monitoring, Research and Innovation](#) – Degraer et al. 2019
6. [Gwynt y Môr Offshore Wind Farm Environmental Statement](#) – RWE Group 2005
7. [Offshore Wind Farms and the Environment: Danish Experiences from Horns Rev and Nysted](#) – Danish Energy Authority 2006
8. [Using a Collision Risk Model to Assess Bird Collision Risks for Offshore Wind Farms](#) – Band 2012
9. [Co-locating offshore wind farms and marine protected areas](#) – Ashley et al. 2018
10. [Life-cycle green-house gas emissions of onshore and offshore wind turbines](#) – Wang & Jinxiang 2019

Top 10 Countries Visiting *Tethys*

1. United States (31,430 users)
2. United Kingdom (10,333 users)
3. India (4,066 users)
4. Canada (3,409 users)
5. Australia (2,139 users)
6. China (2,025 users)
7. France (2,018 users)
8. Philippines (1,861 users)
9. Germany (1,844 users)
10. Netherlands (1,496 users)

Top 10 Cities Visiting *Tethys*

1. London, UK (2,131 users)
 2. New York, NY, US (865 users)
 3. Beijing, China (712 users)
 4. Washington, D.C., US (679 users)
 5. Dublin, Ireland (589 users)
 6. Boardman, OR, US (550 users)
 7. Sydney, Australia (549 users)
 8. Edinburgh, Australia (534 users)
 9. Paris, France (529 users)
 10. Seattle, WA, US (526 users)
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The *Tethys* Team

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