



## 27 December 2019

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 2019 *Tethys* statistics!

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[Announcements](#)

[Upcoming Events](#)

[2019 \*Tethys\* Stats](#)

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### Announcements

#### Calls for Abstracts

The [Environmental Interactions of Marine Renewable Energy Technologies \(EIMR\) Conference](#) will be held in Oban, Scotland on 21-23 April 2020. Abstracts for oral presentations and posters can be submitted [here](#) until 13 January 2020 at 16:00 GMT.

The [European Geosciences Union \(EGU\) General Assembly 2020](#) will be held in Vienna, Austria on 3-8 May 2020. Please consider submitting an abstract to the session, [Marine Renewable Energy: Resource Characterisation, Interactions, and Impacts](#). The abstract submission deadline is 15 January 2020 at 13:00 CET.

#### Funding Opportunities

The [National Offshore Wind Research & Development Consortium](#) continues to make [funding available](#) for technology innovations that will reduce the levelized cost of electricity for offshore wind in the United States. Proposal submissions will continue to be accepted until 31 December 2019, or until all funds are committed.

Additionally, Innovate UK will invest up to £1.5 million in UK companies partnering with US consortia to work on projects as part of the \$40 million US National Offshore Wind Research and Development Consortium programme. [Express an interest in applying](#) by 15 January 2020.

The New York State Energy Research and Development Authority (NYSERDA) has released a [Request for Proposals](#) to support the collection of geophysical and geotechnical data from areas off New York's Atlantic coast that hold the potential for future offshore wind development. The deadline for submissions is 21 January 2020.

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## Upcoming Events

### Upcoming Webinar

The Bureau of Ocean Energy Management (BOEM) is pleased to present the [West Coast Renewable Energy Science Exchange](#), a series of webinars about scientific research off the U.S. West Coast. The second webinar in the series will be held on 8 January 2020 at 10:00am PT and will provide an overview of BOEM-funded research about birds and bats.

### Upcoming Conferences

The inaugural [Pan American Marine Energy Conference \(PAMEC\)](#) will be held in San Jose, Costa Rica on 26-28 January 2020. Registration fees increase 1 January 2020.

The [2<sup>nd</sup> International Conference on Environment Sciences and Renewable Energy \(ESRE 2020\)](#) will be held in Vienna, Austria on 18-21 May 2020. Full papers/abstracts are due before 10 January 2020.

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## 2019 *Tethys* Stats

Over the past year, the *Tethys* Team has added ~1,000 documents to the *Tethys* Knowledge Base and *Tethys* has been visited by over 79,000 users!

## Top 10 Marine Renewable Energy Documents

1. [Annex IV 2016 State of the Science Report: Environmental Effects of Marine Renewable Energy Development Around the World](#) – Copping et al. 2016
2. [Wave and Tidal Energy: Environmental Effects](#) – Iglesias et al. 2018
3. [Wave Power - Sustainable Energy Or Environmentally Costly? A Review With Special Emphasis On Linear Wave Energy Converters](#) – Langhamer et al. 2010
4. [Ocean Thermal Energy Conversion \(OTEC\) Environmental Impacts](#) – NOAA 2010
5. [SeaGen Environmental Monitoring Programme: Final Report](#) – Keenan et al. 2011
6. [Potential Environmental Effects of Ocean Thermal Energy Conversion](#) – Sound and Sea Technologies 2010
7. [Electromagnetic Field \(EMF\) Impacts on Elasmobranch \(shark, rays, and skates\) and American Lobster Movement and Migration from Direct Current Cables](#) – Hutchison et al. 2018

8. [The State of Knowledge for Environmental Effects: Driving Consenting/Permitting for the Marine Renewable Energy Industry](#) – Copping 2018
9. [Tracking Marine Mammals Around Marine Renewable Energy Devices Using Active Sonar](#) – Hastie 2013
10. [Environmental Effects of Tidal Energy Development: Proceedings of a Scientific Workshop](#) – Polagye et al. 2011

### Top 10 Wind Energy Documents

1. [Environmental Impacts of Renewable Energy](#) – Spellman 2014
2. [Environmental Impacts of Offshore Wind Farms in the Belgian Part of the North Sea: Learning from the Past to Optimise Future Monitoring Programmes](#) – Degraer et al. 2013
3. [Assessing Environmental Effects \(WREN\): Adaptive Management White Paper](#) – Hanna et al. 2016
4. [Gwynt y Môr Offshore Wind Farm Environmental Statement](#) – RWE Group 2005
5. [Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish](#) – Oestman et al. 2009
6. [Electromagnetic Field \(EMF\) Impacts on Elasmobranch \(shark, rays, and skates\) and American Lobster Movement and Migration from Direct Current Cables](#) – Hutchison et al. 2018
7. [Impacts on Biodiversity of Exploitation of Renewable Energy Sources: The Example of Birds and Bats](#) – Hötker et al. 2006
8. [Wind and Energy Wildlife Impacts](#) – Bispo et al. 2019
9. [Offshore Wind Farms and the Environment: Danish Experiences from Horns Rev and Nysted](#) – Danish Energy Authority 2006
10. [Life-cycle green-house gas emissions of onshore and offshore wind turbines](#) – Wang et al. 2019

### Top 10 Countries Visiting *Tethys*

1. United States (35,511 users)
2. United Kingdom (8,490 users)
3. Canada (3,383 users)
4. India (3,100 users)
5. Australia (1,856 users)
6. France (1,779 users)
7. Germany (1,555 users)
8. Japan (1,352 users)
9. China (1,226 users)
10. Spain (1,148 users)

### Top 10 Cities Visiting *Tethys*

1. Chicago, US (7,533 users)
2. Ashburn, US (5,109 users)
3. London, UK (1,861 users)
4. New York City, US (1,318 users)
5. Coffeyville, US (793 users)
6. Washington, D.C., US (693 users)
7. Seattle, US (612 users)
8. Melbourne, Australia (529 users)
9. Dublin, Ireland (520 users)
10. Paris, France (517 users)

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### The *Tethys* Team

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