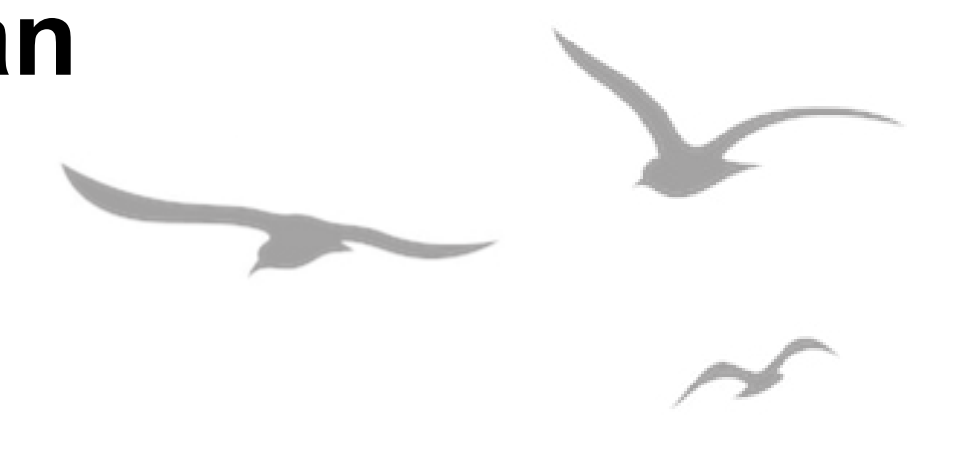# TETHYS

Knowledge Hub on the Environmental Effects of Wind & Marine Renewable Energy

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What is Tethys?

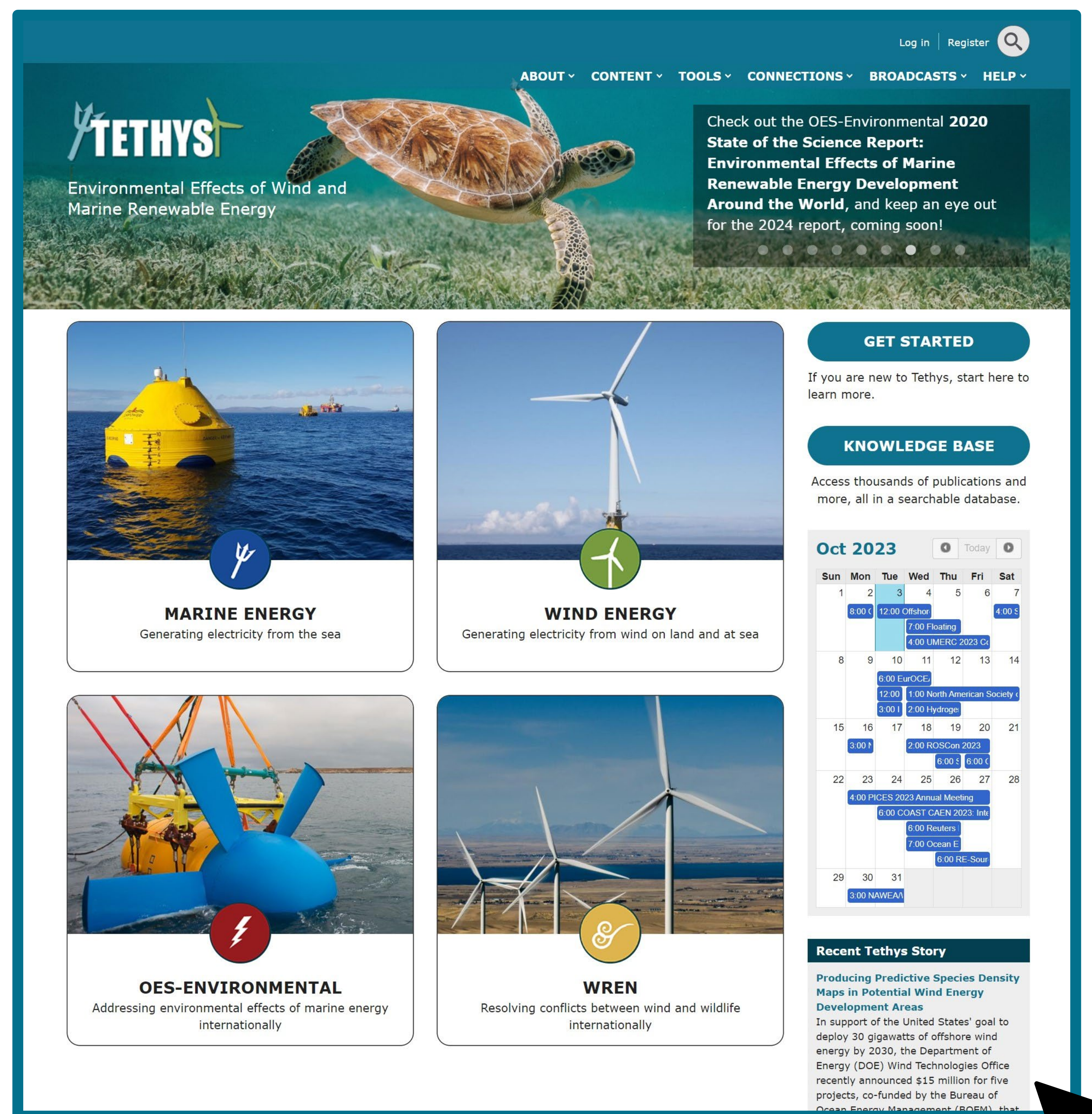Tethys (https://tethys.pnnl.gov/) is a free online knowledge hub with information and resources on the environmental effects of offshore wind and marine renewable energy (MRE), including wave, tidal, and ocean thermal. Key features include a documents library, an events calendar, archived webinars, a bi-weekly Tethys Blast newsletter, educational resources, international project metadata, and much more.

Who maintains Tethys?

Funded by the U.S. Department of Energy, Tethys is actively maintained and curated by a multidisciplinary team at the Pacific Northwest National Laboratory, who works closely with the International Energy Agency's Ocean Energy Systems (OES) Environmental task and Working Together to Resolve the Environmental Effects of Wind (WREN) to publish updates on the state of the science, host public webinars, and develop useful tools and resources for the international community.

Why use Tethys?

When offshore wind and MRE data and information are openly available, they can be used to inform understanding of environmental effects, guide research and development for monitoring and mitigation strategies, and help regulators make decisions with confidence. After 15 years of operation, Tethys is an internationally trusted broker of information, with over 500,000 pageviews in the past year alone, that is working to support sustainable offshore wind and MRE worldwide.
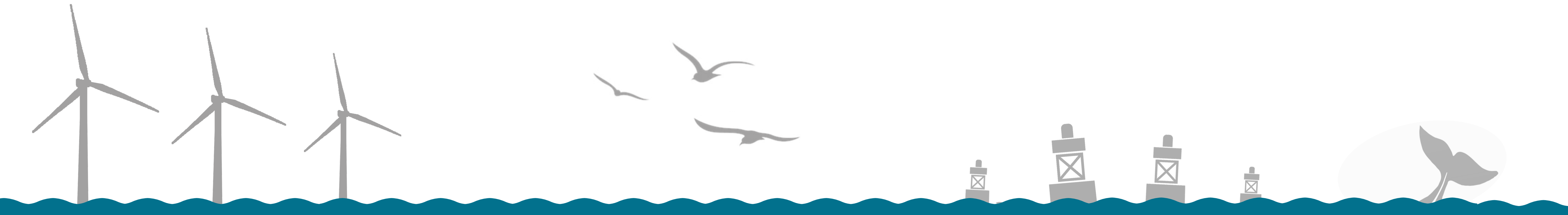

Project Metadata

Gathers information on MRE projects around the world and the environmental monitoring conducted at each, including links to related reports, studies, and public data when available. Aiming to improve data discoverability and encourage open sharing.

Knowledge Base

Contains 9,000+ documents on the environmental effects of wind and MRE, including journal articles, conference papers, books, reports, and theses, that can be filtered, searched, and sorted to find content on specific topics (e.g., collision).

Technologies Tool

Catalogs a variety of monitoring and mitigation technologies used to assess and reduce potential wind-wildlife effects. Includes information on their states of development and links to related validation studies on their effectiveness.

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