



Environmental Effects of Wind Energy

Tethys is a knowledge hub containing information and resources on the environmental effects of a wide range of energy technologies, including both land-based and offshore wind energy globally.

Tethys provides researchers, regulators, developers, and communities with data, documents, and information that can support siting, permitting, and management decisions while minimizing risk to the environment. Key features include a documents library, an events calendar, archived webinars, educational resources, and a bi-weekly newsletter.

New content is actively collected by a multidisciplinary team of curators at the Pacific Northwest National Laboratory and submitted by community members so that Tethys reflects the latest research, events, and more.



8,500+
DOCUMENTS



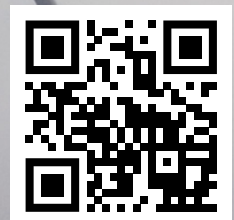
500,00+
ANNUAL PAGEVIEWS



3,000+
TETHYS BLAST
SUBSCRIBERS



45+
METADATA PAGES



Knowledge Base and Map Viewer

Tethys hosts thousands of documents on the environmental effects of wind energy, including journal articles, conference papers, and reports. Documents in the [Knowledge Base](#) can be easily searched, sorted, and filtered by content type, technology type (e.g., fixed v. floating), or environmental effect (e.g., bird collision). Geotagged documents can also be found by location in the [Map Viewer](#).

Tethys Blasts

The [Tethys Blast](#) is a bi-weekly newsletter that highlights new documents on Tethys; relevant announcements, opportunities, and upcoming events; and news articles of international interest. Join the mailing list and email us to contribute!

Educational Resources

The Tethys team has compiled [Educational Resources](#) to enhance awareness and understanding of wind energy and its environmental considerations while preparing the next generation of energy professionals. These materials are designed for learners of all ages and educational backgrounds.

Wind Energy-Environmental Research & Engagement Network (WREN)

Tethys is the main outreach, engagement, and dissemination platform for the International Energy Agency's [WREN](#) task. WREN is a collaboration among several countries to study the environmental effects of wind energy, disseminate the state of the science, and develop useful resources for various stakeholder groups. WREN hosts webinars, publishes short science summaries, and more.

Monitoring and Mitigation Technologies Tool

Tethys and WREN host a [free catalog](#) of available technologies used to assess and reduce potential wind-wildlife effects, including information on their state of development and links to related reports and studies. Tools are independently reviewed and updated annually.

Offshore Wind Metadata

Tethys and WREN also host a growing [collection of information](#) on offshore wind energy projects around the world. Each page features project details; links to related reports, studies, and publicly available datasets; and a summary of all environmental monitoring conducted at the wind farm.



For More Information
Visit: <https://tethys.pnnl.gov>
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