

Enhancing Understanding of the Environmental Effects of Wind Energy



***Tethys* is free online knowledge hub with information and resources on the environmental effects of land-based and offshore wind energy.**

Tethys supports the wind community by facilitating the knowledge sharing needed to advance wind energy development in an environmentally responsible manner. *Tethys* has been developed to provide researchers, regulators, project developers, and other stakeholders with information that can support siting, permitting, management decisions, and operational strategies while minimizing risk to the environment.

Tethys hosts scientific papers, reports, and other media; creates a collaborative space for researchers, wind developers, regulators, and other stakeholders; and provides a central location for archived webinars, listing of events, contacts for individuals and organizations, and links to related databases.

KNOWLEDGE BASE & MAP VIEWER

Tethys hosts over 5,500 documents pertinent to the environmental effects of wind energy. There are several pathways by which users can find content to suit their needs. Documents available in the *Tethys Knowledge Base* can be easily filtered by content type (e.g., journal article, conference paper), technology type (land-based or offshore wind), or specific environmental effect (such as bat collisions).

Documents that are geotagged can also be found by location on the *Tethys Map Viewer*.





WREN

WREN (Working Together to Resolve Environmental Effects of Wind Energy) is a collaborative initiative of twelve countries under the International Energy Agency Wind established in 2012 to address the environmental issues associated with wind energy development. *Tethys* acts as WREN's collaborative space, hosting its webinars, white papers, online tools, short science summaries, and more.



WREN WEBINARS

WREN hosts a series of webinars to disseminate new research findings and feature collaborative efforts to understand wind and wildlife interactions for an international audience. Visit [Tethys](#) to view the archive.

WREN WHITE PAPERS

WREN publishes [white papers](#) that investigate wind and wildlife topics to promote discussion within the wind community, support management decisions, and improve outcomes for wind and wildlife interactions.

MONITORING & MITIGATION TECH TOOL

WREN has launched a free [online tool](#) to serve as a catalog of available technologies used to assess and reduce potential wind-wildlife effects, including their state of development and related research on their use.

TETHYS BLASTS

Tethys Blasts are bi-weekly newsletters that highlight new documents in the *Tethys* Knowledge Base; relevant announcements, opportunities, and upcoming events; and news articles of international interest.

TETHYS COMMUNITY

The Tethys Community provides contact information for wind researchers, regulators, developers, and other stakeholders who have registered an account on *Tethys* and provided consent to share their details.

TETHYS STORIES

Tethys Stories are short write ups that feature new projects, interesting research findings, and international collaborations relevant to wind and marine energy development activities. Each *Tethys* Story is contributed from individuals working in the field.

FOR MORE INFORMATION

Visit <http://tethys.pnnl.gov> to explore more resources, and email tethys@pnnl.gov to contribute!

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