

Tethys: Your One-Stop Shop for Information on the Environmental Effects of Offshore Wind Energy

H. FARR, J. WHITING, M. SEVERY, and Z. MILES
Pacific Northwest National Laboratory, Seattle, Washington

WHAT IS TETHYS?

Tethys is a free, online database that facilitates the knowledge sharing needed to advance offshore wind energy development in an environmentally responsible manner. After twelve years of operation, *Tethys* is an internationally recognized and trusted broker of information and resources.

KNOWLEDGE BASE & MAP VIEWER

The primary feature of *Tethys* is the Knowledge Base, which contains over 5,300 documents on the environmental effects of wind energy. These documents can be easily filtered, searched, and sorted to find content relevant to specific topics, such as underwater noise effects on marine life. Documents that are geotagged can also be found by location on the Map Viewer.

RELATED RESEARCH EFFORTS

Tethys also serves as a collaborative space and dissemination platform for several ongoing U.S. and international research efforts:

- **U.S. Offshore Wind Synthesis of Environmental Effects Research (SEER)** effort synthesizes key wind-wildlife issues and disseminates all its project deliverables, including educational research briefs and webinar recordings, through *Tethys*.
- **Working Together to Resolve Environmental Effects of Wind Energy (WREN)**, a task established by International Energy Agency Wind, uses *Tethys* to facilitate collaboration and advance the global understanding of environmental effects of wind energy.

KEY RESOURCES

- **Tethys Blast** newsletter highlights relevant announcements, opportunities, upcoming events, new documents, and global news.
- **Events Calendar** provides information on key conferences, workshops, webinars, and other events around the world.
- **Webinars** disseminate new research findings and share information on collaborative efforts to understand wind-wildlife effects.

NEW TOOLS

- **Wind Energy Monitoring and Mitigation Technologies Tool** catalogs technologies developed to assess and reduce potential wildlife impacts resulting from land-based and offshore wind energy development, highlighting their state of development and related research.
- **(Upcoming) Offshore Wind Energy Environmental Metadata** will host environmental monitoring metadata from offshore wind energy developments around the world, with direct links to publicly accessible data.

