

Working together to resolve environmental effects of wind energy

Rumes Bob¹, Copping Andrea² and Hein Cris³

- ¹ Koninklijk Belgisch Instituut voor Natuurwetenschappen: Operationele Directie Natuurlijk Milieu (IRScNB/KBIN-OD Natuur), Vautierstraat 29, 1000 Brussel, Belgium
E-mail: brumes@naturalsciences.be
- ² Pacific Northwest National Laboratory, 902 Battelle Blvd, Richland, WA 99354, USA
- ³ National Renewable Energy Laboratory, National Renewable Energy Laboratory 15013 Denver West Parkway Golden, CO 80401, USA

WREN (**W**orking Together to **R**esolve **E**nvironmental Effects of Wind Energy) was established by the International Energy Agency Wind Committee in October 2012 to address environmental issues associated with commercial development of land based and offshore wind energy projects. The primary objective of WREN is to facilitate international collaboration and advance global understanding of potential environmental effects of wind energy. To support this effort, *Tethys* was expanded to serve as a collaborative outreach and engagement space, and to disseminate knowledge and information. *Tethys* has collected over 2,400 documents related to the environmental effects of wind energy (land-based and offshore). All documents are available in a table format via the *Tethys* Knowledge Base, which can be easily filtered to find documents relevant to specific searches such as document type, technology type, or environmental effect. Any documents related to a spatial location have been geotagged and made available on the *Tethys* Map Viewer. Most WREN information and content is publicly accessible. WREN also hosts quarterly webinars on the environmental concerns that are of importance to the land-based and offshore wind energy industries, as a means to effectively disseminate new information and research efforts to a large international audience of stakeholders.

Keywords: Wind energy; Knowledge base; Environmental effects