



2-3 Bachelor or Master theses

Start: As soon as possible

Developing guidelines for priority areas of wind turbine planning

Background

Wind energy is a key alternative to fossil fuels, and is expected to supply 25-40% of global energy to achieve net-zero emissions by 2050. However, constructing and operating wind turbines can create land use conflicts due to negative impacts on people and nature. To minimize these conflicts, measures such as choosing sites of low ecological importance, reducing bird and bat mortality, and compensating for impacts of wind turbines on nature needs to be taken.

Aim of this work

- Literature review on low-biodiversity areas in Germany, in order to provide ecological guidelines for wind turbine construction planning
- Meta-analysis of displacement effects of wind turbines on animals

Requirements

- Interest in systematic literature reviews and/or meta-analyses

Contact

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