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Marine mammals and seabirds in front of offshore wind energy

MINOS – Marine warm-blooded animals in North and Baltic Seas

Wollny-Goerke, Katrin / Eskildsen, Kai (Eds.)

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The MINOS project examines whether large offshore wind energy plants in the German North and Baltic Seas impair or endanger harbour porpoises, seals or seabirds. The research should make the necessary knowledge available, in order to be able to evaluate the future offshore wind park development. In the projects MINOS and MINOS + - running time 2002 to 2008 – were therefore above all preferential residence areas and migration route of the endangered animal species investigated. Beyond that, hearing and acoustic sensitivity of harbour porpoises and seals were examined.

Content

Harbour porpoises: abundance estimates and seasonal distribution patterns

History of the German Baltic Sea harbour porpoise acoustic monitoring at the German Oceanographic Museum

How tolerant are harbour porpoises to underwater sound?

Determination of space and depth utilization of the Wadden Sea and adjacent areas by harbour seals

Too loud to talk? Do wind turbines related sounds affect harbour seal communication?

Spatial-temporal variability of seabird distribution patterns in the south-eastern North Sea

Spatial-temporal patterns of inshore and offshore foraging in Great Cormorants in the south-western Baltic Sea

Authors

This book was written in the frame of MINOS Research Network from an author's collective, working at prestigious marine research institutes, directed by Katrin Wollny-Goerke and Kai Eskildsen

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