



Programme national

Eolien et Biodiversité

LPO – ADEME - MTES

Bibliographie

Programme Eolien et Biodiversité

Etudes techniques

Geoffroy Marx – geoffroy.marx@lpo.fr

25/11/2020

Légende

● Eolien terrestre

● Eolien en mer

A D E M E



Agence de l'Environnement
et de la Maîtrise de l'Energie

Etudes techniques

- Abadie A, Marty P, Viala C (2018). L'indice BATCLAS : une nouvelle technique d'identification et de cartographie à haute résolution des structures naturelles et artificielles sur les sites d'implantation marins d'éoliennes. [\(p8, fr\)](#)
- Abaei M, Arzaghi E, Abbassi R, Garaniya V, Penesis I (2017). Developing a Novel Risk-Based Methodology for Multi-Criteria Decision Making in Marine Renewable Energy Applications. [\(p22, en\)](#)
- ● Abbasi et al. (2016). Impact of wind-energy generation on climate: A rising spectre. [\(p8, en\)](#)
- Abdou WAI (2019). A New Approach to Assessment of Bird Carcass Removal (Scavenging) Time on Wind Farm in Egypt. [\(p9, en\)](#)
- Barnier B et al. (2020). Modelling the impact of flow-driven turbine power plants on great wind-driven ocean currents and the assessment of their energy potential. [\(p10, en\)](#)
- Barré K et al. (2020). Mise au point d'un standard de recueil et de transmission des données chauves-souris et avifaune des suivis éoliens - définition du standard technique et des attributs additionnels. [\(p51, fr\)](#)
- Berndt ML (2015). Influence of concrete mix design on CO₂ emissions for large wind turbine foundations. [\(p7, en\)](#)
- ● Bertrand Delprat - Calidris (2011). ID Stat: innovative technology for assessing wildlife collisions with wind turbines. [\(p10, fr\)](#)
- Bureau de coordination énergie éolienne - Office Fédéral Allemand pour la navigation maritime et l'hydrographie (2007). Standard - Exécution constructive d'éoliennes offshore. [\(p58, fr\)](#)
- Commissariat général au développement durable (2020). Les facteurs d'évolution des émissions de CO₂ liées à l'énergie en France de 1990 à 2018. [\(p36, fr\)](#)
- Decurey B, Schoefs F, Barrillé A-L, Soulard T (2020). Model of Bio-Colonisation on Mooring Lines: Updating Strategy Based on a Static Qualifying Sea State for Floating Wind Turbines. [\(p31, en\)](#)
- Desholm M - National Environmental Research Institute (2003). Thermal Animal Detection System (TADS). Development of a method for estimating collision frequency of migrating birds at offshore wind turbines. [\(p29, en\)](#)
- ● Desholm M, Fox AD, Beasley PDL, Kahlert J (2006). Remote techniques for counting and estimating the number of bird-wind turbine collisions at sea: a review. [\(p14, en\)](#)
- Fang Y-Y et al. (2020). Underwater Noise Simulation of Impact Pile Driving for Offshore Wind Farm in Taiwan. [\(p16, en\)](#)
- Farcas A et al. (2016). Underwater Noise Modelling for Environmental Impact Assessment. [\(p9, en\)](#)
- Hall MV (2015). An analytical model for the underwater sound pressure waveforms radiated when an offshore pile is driven. [\(p12, en\)](#)
- Han DG (2020). The Measurement and Prediction of Underwater Noise from Impact Pile Driving during the Construction of Offshore Wind Farm. [\(p46, en\)](#)
- Hawkins AD, Popper AN (2014). Assessing the Impact of Underwater Sounds on Fishes and Other Forms of Marine Life. [\(p12, en\)](#)
- ● Hu C, Albertani R (2019). Machine learning applied to wind turbine blades impact detection. [\(p14, en\)](#)
- Hu C, Albertani R, Suryan RM (2018). Wind turbine sensor array for monitoring avian and bat collisions. [\(p9, en\)](#)
- Ikpekhia OW, Soberon F, Daniels S (2014). Modelling the Propagation of Underwater Acoustic Signals of a Marine Energy Device Using Finite Element Method. [\(p6, en\)](#)
- Kelly TA, West TE, Davenport JK (2009). Challenges and solutions of remote sensing at offshore wind energy developments. [\(p6, en\)](#)
- Koschinski S, Lüdemann K (2020). Noise mitigation for the construction of increasingly large offshore wind turbines : Technical options for complying with noise limits. [\(p40, en\)](#)
- Kumar R et al. (2018). A critical review of vertical axis wind turbines for urban applications. [\(p11, en\)](#)
- ● Lacrouts O, Dumoulin A (2018). Etude d'un radar 3D de détection et de suivi en temps réel de l'avifaune. [\(p5, fr\)](#)

- Liechti F (2010). Identification of radar echoes. [!\[\]\(effbd7993c63c039a58fd3395789cf3f_img.jpg\)](#) (p19, en)
- Martinez E, Sanz F, Pellegrini S, Jiménez E, Blanco J (2008). Life cycle assessment of a multi-megawatt wind turbine. [!\[\]\(144980d038f2541d7b588a8a9132bd70_img.jpg\)](#) (p7, en)
- Najac J - CERFACS (2009). Impacts du changement climatique sur le potentiel éolien en France: une étude de régionalisation. [!\[\]\(c4ce2d477989700c971cf3d240ad9283_img.jpg\)](#) (p271, fr)
- Paula JJS et al. (2015). Camera-trapping as a methodology to assess the persistence of wildlife carcasses resulting from collisions with human-made structures. [!\[\]\(5013555a72072875cb154b597e002a46_img.jpg\)](#) (p9, en)
- Péron G (2018). Process-based vs. ad-hoc methods to estimate mortality using carcass surveys data: A review and a note about evidence complacency. [!\[\]\(bf2038c114ec21ea58ad011774351c98_img.jpg\)](#) (p8, en)
 - Poujol B, Prieur-Vernat A, Dubranna J, Besseau R, Blanc I, Pérez-López P (2020). Site-specific life cycle assessment of a pilot floating offshore wind farm based on suppliers' data and geo-located wind data. [!\[\]\(1ad0c3425edfa4762c2f20e33e3e5bbf_img.jpg\)](#) (p15, en)
- Sinden G (2010). Life cycle assessment and renewable energies. [!\[\]\(74d2fc5645add84f8511beb934060048_img.jpg\)](#) (p1, en)
- Snoek RC (2016). Technisch overzicht radar systemen offshore windparken. Rijkswaterstaat Zee en Delta.. [!\[\]\(ddc5533caa0187e636e3d3234e0983a3_img.jpg\)](#) (p60, nl)
- Trinh TT et al. (2016). Bird Detection near Wind Turbines from High-resolution Video using LSTM Networks. [!\[\]\(7c207f8f59385c6dd11f9d9bdc7a0d1d_img.jpg\)](#) (p4, en)
- Wang C, Prinn R (2009). Potential Climatic Impacts and Reliability of Very Large Scale Wind Farms. [!\[\]\(57a1bf910af99362b80b3ac4f2eecbac_img.jpg\)](#) (p21, en)
- Wasserzier C, Fischer D, Rheinhard T (2017). Development of a radar sensor for reducing the risk of bird collisions with wind turbines. [!\[\]\(6b114000ab07dda576e2920e2dc838fa_img.jpg\)](#) (p9, en)
- Willmott JR et al. (2015). Developing an automated risk management tool to minimize bird and bat mortality at wind facilities. [!\[\]\(9129a6a4a4b11facb5cf665660eef788_img.jpg\)](#) (p15, en)