



Programme national

Eolien et Biodiversité

LPO – ADEME - MTES

Bibliographie

Programme Eolien et Biodiversité

Autres études environnementales

Geoffroy Marx – geoffroy.marx@lpo.fr

25/11/2020

Légende

● Eolien terrestre

● Eolien en mer



Autres études environnementales

- ● ADEME (2017). *Avis de l'ADEME - Les énergies renouvelables et de récupération*. [📄](#) (p7, fr)
- ● ADEME (2016). *Impacts environnementaux de l'éolien français*. [📄](#) (p8, fr)
- Afsharian S, Taylor P, Momayez L (2020). *Investigating the potential impact of wind farms on Lake Erie*. [📄](#) (p14, en)
- Agha M et al. (2020). *Wind, sun, and wildlife: do wind and solar energy development "short-circuit" conservation in the western United States?*. [📄](#) (p39, en)
- Alsaleh A (2017). *Life cycle assessment of greenhouse gas emissions, traditional air pollutants, water depletion, and cumulative energy demand from 2 MW wind turbines in Texas*. [📄](#) (p152, en)
- Andersson MH (2011). *Offshore wind farms – ecological effects of noise and habitat alteration on fish*. [📄](#) (p48, en)
- Armstrong A, Burton RR, Lee SE, Mobbs S, Ostle N, Smith V, Waldron S, Whitaker J (2016). *Ground-level climate at a peatland wind farm in Scotland is affected by wind turbine operation*. [📄](#) (p9, en)
- Averbeck P (2015). *Analyse du potentiel et des impacts environnementaux de l'implantation d'éoliennes en forêt. Le cas de la Wallonie (Belgique)*. [📄](#) (p119, fr)
- Bagocius D (2015). *Piling underwater noise impact on migrating salmon fish during Lithuanian LNG terminal construction*. [📄](#) (p7, en)
- Bailey et al. (2014). *Assessing environmental impacts of offshore wind farms: lessons learned and recommendations for the future*. [📄](#) (p13, en)
- Bariller A, Carlier A - EDF, Ifremer (2016). *Environmental monitoring of the Paimpol-Brehat tidal project*. [📄](#) (p12, en)
- Bas A (2017). *Analyse de la compensation écologique comme instrument d'internalisation et de lutte contre l'érosion de la biodiversité marine - Illustration par l'éolien en mer*. [📄](#) (p255, fr)
- Beiersdorf A, Radecke A (2014). *Ecological Research at the Offshore Windfarm Alpha Ventus: Challenges, Results and Perspectives*. [📄](#) (p208, en)
- Benjamins S, Masden E, Collu M (2020). *Integrating Wind Turbines and Fish Farms: An Evaluation of Potential Risks to Marine and Coastal Bird Species*. [📄](#) (p18, en)
- Benjamins S, van Geel N, Hastie G, Elliott J, Wilson B (2016). *Harbour Porpoise Distribution can Vary at Small Spatiotemporal Scales in Energetic Habitats*. [📄](#) (p12, en)
- Bergström L et al. (2014). *Effects of offshore wind farms on marine wildlife—a generalized impact assessment*. [📄](#) (p12, en)
- Bergström L, Sundqvist F, Bergström U (2013). *Effects of an offshore wind farm on temporal and spatial patterns in the demersal fish community*. [📄](#) (p12, en)
- Besnard A, Bernard C (2018). *Deux applications web en libre accès pour calibrer et évaluer la pertinence des suivis de mortalités sous les éoliennes*. [📄](#) (p3, fr)
- Besnard AG (2018). *Les sciences participatives appliquées à la modélisation des enjeux de conservation des chiroptères et des oiseaux : exemple en Nouvelle-Aquitaine*. [📄](#) (p2, fr)
- Besnard AG (2017). *Etude de la sensibilité à l'éolien de la biodiversité en Aquitaine*. (p135, fr)
- Brandt M, Dragon A, Diederichs A, Bellmann M, Wahl V, Piper W, Nabe-Nielsen J, Nehls G (2018). *Disturbance of harbour porpoises during construction of the first seven offshore wind farms in Germany*. [📄](#) (p20, en)
- Brandt M, Dragon A, Diederichs A, Schubert A, Kosarev V, Nehls G, Wahl V, Michalik A, Braasch A, Hinz C, Ketzer C, Todeskino D, Gauger M, Laczny M, Piper W (2016). *Effects of Offshore Pile Driving on Harbour Porpoise Abundance in the German Bight: Assessment of Noise Effects*. [📄](#) (p262, en)
- Brasseur S et al. (2008). *Harbour seals, Phoca vitulina, in relation to the wind farm site OWEZ, in the Netherlands - Interim rapport*. [📄](#) (p26, en)
- Brasseur S et al. (2006). *Baseline data on harbour seals, Phoca vitulina, in relation to the intended wind farm site OWEZ, in the Netherlands*. [📄](#) (p26, en)
- Bray L et al. (2016). *Expected Effects of Offshore Wind Farms on Mediterranean Marine Life*. [📄](#) (p17, en)
- Burger C et al. (2019). *A novel approach for assessing effects of ship traffic on distributions and movements of seabirds*. [📄](#) (p10, en)
- Cada G, Bevelhimer M (2011). *Attraction To and Avoidance of Instream Hydrokinetic Turbines by Freshwater Aquatic Organisms*. [📄](#) (p43, en)
- Carlier A, Caisey X, Gaffet J, Lejart M, Derrien-Courtel S, Catherine E, Quimbert E, Soubigou O (2014). *Monitoring Benthic Habitats and Biodiversity at the Tidal Energy Site of Paimpol-Brehat*. [📄](#) (p18, en)

- ● Conkling TJ et al. (2020). *Limitations, lack of standardization, and recommended best practices in studies of renewable energy effects on birds and bats*. [📄](#) (p27, en)
- Consultores B et al. (2017). *Testing for errors in estimating bird mortality rates at wind farms and power lines*. [📄](#) (p10, en)
- Copping A, Sather N, Hanna L, Whiting J, Zydlewski G, Staines G, Gill G, Hutchison I, O'Hagan A, Simas T, Bald J, Sparling C, Wood J, Masden E (2016). *Annex IV 2016 State of the Science Report: Environmental Effects of Marine Renewable Energy Development Around the World*. [📄](#) (p224, en)
- da Costa G, Paula J, Petrucci-Fonseca F, Álvares F (2018). *The Indirect Impacts of Wind Farms on Terrestrial Mammals: Insights from the Disturbance and Exclusion Effects on Wolves (Canis lupus)*. [📄](#) (p24, en)
- Dähne M, Tougaard J, Carstensen J, Rose A, Nabe-Nielsen J (2017). *Bubble curtains attenuate noise from offshore wind farm construction and reduce temporary habitat loss for harbour porpoises*. [📄](#) (p17, en)
- de Haan D, Burggraaf D, van der Wal JT, van Ha R (2013). *Underwater acoustic characteristics of the OWEZ wind farm operation (T1)*. [📄](#) (p113, en)
- Degraer S, Brabant R (2009). *Offshore wind farms in the Belgian part of the North Sea: State of the art after two years of environmental monitoring*. [📄](#) (p327, en)
- Degraer S, Brabant R, Rumes B (2012). *Offshore wind farms in the Belgian part of the North Sea: Heading for an understanding of environmental impacts*. [📄](#) (p168, en)
- Degraer S, Brabant R, Rumes B, Vigin L (2019). *Environmental Impacts of Offshore Wind Farms in the Belgian Part of the North Sea: Marking a Decade of Monitoring, Research and Innovation*. [📄](#) (p134, en)
- Degraer S, Brabant R, Rumes B, Vigin L (2018). *Environmental Impacts of Offshore Wind Farms in the Belgian Part of the North Sea: Assessing and Managing Effect Spheres of Influence*. [📄](#) (p138, en)
- Degraer S, Brabant R, Rumes B, Vigin L (2017). *Environmental impacts of offshore wind farms in the Belgian part of the North Sea: A continued move towards integration and quantification*. [📄](#) (p146, en)
- Degraer S, Brabant R, Rumes B, Vigin L (2016). *Environmental impacts of offshore wind farms in the Belgian part of the North Sea: Environmental impact monitoring reloaded*. [📄](#) (p287, en)
- Everaert J (2008). *Effecten van windturbines op de fauna in Vlaanderen*. [📄](#) (p174, nl)
- Floeter J et al. (2017). *Pelagic effects of offshore wind farm foundations in the stratified North Sea*. [📄](#) (p39, en)
- Francisco F, Sundberg J (2019). *Detection of Visual Signatures of Marine Mammals and Fish within Marine Renewable Energy Farms using Multibeam Imaging Sonar*. [📄](#) (p19, en)
- Franco A, Quintino V, Elliott M (2015). *Benthic monitoring and sampling design and effort to detect spatial changes: A case study using data from offshore wind farm sites*. [📄](#) (p7, en)
- ● Fthenakis V, Kim HC (2009). *Land use and electricity generation: A life-cycle analysis*. [📄](#) (p10, en)
- Glarou M, Zrust M, Svendsen J (2020). *Using Artificial-Reef Knowledge to Enhance the Ecological Function of Offshore Wind Turbine Foundations: Implications for Fish Abundance and Diversity*. [📄](#) (p25, en)
- Goodale MW, Stenhouse IJ (2016). *A conceptual model to determine vulnerability of wildlife populations to offshore and wind energy development*. [📄](#) (p9, en)
- Goodale W, Milman A (2019). *Assessing the cumulative exposure of wildlife to offshore wind energy development*. [📄](#) (p7, en)
- Gordon J, Blight C, Bryant E, Thompson D (2015). *MR8.1 Tests of Acoustic Signals for Aversive Sound Mitigation with Harbour Seals*. [📄](#) (p34, en)
- Grealey J, Stephenson D (2007). *Effects of wind turbine operation on butterflies*. [📄](#) (p3, en)
- Greaves D, Conley D, Magagna D, Aires E, Leitão J, Witt M, Embling C, Godley B, Bicknell A, Saulnier J, Simas T, O'Hagan A, O'Callaghan J, Holmes B, Sundberg J, Enciso Y, Marina D (2016). *Environmental Impact Assessment: Gathering Experiences from Wave Energy Test Centres in Europe*. [📄](#) (p12, en)
- Groupe d'étude des Cétacés du Cotentin (2011). *Synthèse bibliographique des impacts générés par les exploitations off-shore sur les mammifères marins*. (p59, fr)
- ● Günther A et al. (2005). *Analyse der Gefährdungsursachen planungsrelevanter Tiergruppen in Deutschland*. [📄](#) (p6, de)
- Guo X, Zhang X, Du S, Li C, Siu Y, Rong Y, Yang H (2020). *The impact of onshore wind power projects on ecological corridors and landscape connectivity in Shanxi, China*. [📄](#) (p31, en)
- Hammar L et al. (2016). *Offshore Wind Power for Marine Conservation*. [📄](#) (p13, en)
- Haslett J, Garcia-Llorent M, Harrison P, Li S, Berry P (2016). *Offshore Renewable Energy and Nature Conservation: The Case of Marine Tidal Turbines in Northern Ireland*. [📄](#) (p20, en)
- Hastie GD, Russell DJF, McConnell B, Moss S, Thompson D, Janik VM (2015). *Sound exposure in harbour seals during the installation of an offshore wind farm: predictions of auditory damage*. [📄](#) (p10, en)
- Hawkins A, Popper A (2016). *A Sound Approach to Assessing the Impact of Underwater Noise on Marine Fishes and Invertebrates*. [📄](#) (p17, en)

- Helldin J, Jung J, Neumann W, Olsson M, Skarin A, Widemo F (2012). *The Impacts of Wind Power on Terrestrial Mammals - A Synthesis*. [📄](#) (p53, en)
- Horwath S, Hassrick J, Grismala R, Diller E (2020). *Comparison of Environmental Effects from Different Offshore Wind Turbine Foundations*. [📄](#) (p53, en)
- Huang H, Hall A (2015). *Preliminary Assessment of Offshore Wind Development Impacts on Marine Ecosystems*. [📄](#) (p32, en)
- Hull CL, Muir S (2010). *Search areas for monitoring bird and bat carcasses at wind farms using a Monte-Carlo model*. [📄](#) (p12, en)
- Huso M (2019). *Wildlife Mortality at Wind Facilities: How We Know What We Know How We Might Mislead Ourselves, and How We Set Our Future Course*. [📄](#) (p15, en)
- Huso MM, Dalthorp DH, Dail DA, Madsen LJ (2015). *Estimating wind-turbine-caused bird and bat fatality when zero carcasses are observed*. [📄](#) (p13, en)
- Hutchinson I, Copping A (2016). *A Coordinated Action Plan for Addressing Collision Risk for Marine Mammals and Tidal Turbines*. [📄](#) (p25, en)
- Iafate J, Watwood S, Reyier E, Scheidt D (2016). *Effects of Pile Driving on the Residency and Movement of Tagged Reef Fish*. [📄](#) (p17, en)
- Inubuse M et al. (2018). *Marine environmental data integrated acquisition platform for offshore wind farm development*. [📄](#) (p4, en)
- Jarvis CM (2005). *An evaluation of the wildlife impacts of offshore wind development relative to fossil fuel power production*. [📄](#) (p123, en)
- Jones I, Stanley J, Mooney T (2020). *Impulsive pile driving noise elicits alarm responses in squid (Doryteuthis pealeii)*. [📄](#) (p14, en)
- Kaldellis JK et al. (2016). *Environmental and social footprint of offshore wind energy. Comparison with onshore counterpart*. [📄](#) (p14, en)
- Köppel J (2017). *Wind Energy and Wildlife Interactions - Presentations from the CWW2015 Conference*. [📄](#) (p293, en)
- Köppel J, Dahmen M, Helfrich J, Schuster E, Bulling L (2014). *Cautious but Committed: Moving Toward Adaptive Planning and Operation Strategies for Renewable Energy's Wildlife Implications*. [📄](#) (p12, en)
- Köppel J, Schuster E (2015). *Book of Abstracts - Conference on Wind energy and Wildlife impacts - Berlin March 10-12, 2015*. [📄](#) (p154, en)
- Kregting L, Elsaesser B, Kennedy R, Smyth D, O'Carroll J, Savidge G (2016). *Do Changes in Current Flow as a Result of Arrays of Tidal Turbines Have an Effect on Benthic Communities?*. [📄](#) (p14, en)
- Krivtsov V, Linfoot B (2012). *Disruption to benthic habitats by moorings of wave energy installations: A modelling case study and implications for overall ecosystem functioning*. [📄](#) (p4, en)
- Krone R, Gutow L, Brey T, Dannheim J, Schröder A (2013). *Mobile demersal megafauna at artificial structures in the German Bight - Likely effects of offshore wind farm development*. [📄](#) (p10, en)
- Lampman G et al. (2009). *Comparison of reported effects and risks to vertebrate wildlife from six electricity generation types in the New York/New England region*. [📄](#) (p87, en)
- Langhamer O, Dahlgren TG, Rosenqvist G (2018). *Effect of an offshore wind farm on the viviparous eelpout: Biometrics, brood development and population studies in Lillgrund, Sweden*. [📄](#) (p6, en)
- Langhamer O, Holand H, Rosenqvist G (2016). *Effects of an Offshore Wind Farm (OWF) on the Common Shore Crab Carcinus maenas: Tagging Pilot Experiments in the Lillgrund Offshore Wind Farm (Sweden)*. [📄](#) (p17, en)
- Lecaillon G, Lenfant P (2018). *Enrichissement et valorisation de la biodiversité marine sur les parcs d'éoliennes offshore au travers de l'éco-ingénierie marine*. [📄](#) (p8, fr)
- Leopold M et al. (2015). *Framework for Assessing Ecological and Cumulative Effects of Offshore Wind Farms: A First Approach to Deal with Cumulative Effects on Birds and Bats of Offshore Wind Farms and Other Human Activities in the Southern North Sea*. [📄](#) (p360, en)
- Levrel H, Pioch S, Spieler R (2012). *Compensatory mitigation in marine ecosystems: Which indicators for assessing the "no net loss" goal of ecosystem services and ecological functions ?*. [📄](#) (p9, en)
- Lindeboom H, Degraer S, Dannheim J, Gill A, Wilhelmsson D (2015). *Offshore Wind Park Monitoring Programmes, Lessons Learned and Recommendations for the Future*. [📄](#) (p12, en)
- Lindeboom H, Kouwenhoven H, Bergman M, Bouma S, Brasseur S, Daan R, Fijn R, De Haan D, Dirksen S, Van Hal R et al. (2011). *Effets écologiques à court terme d'un parc éolien offshore dans la zone côtière néerlandaise ; une compilation*. [📄](#) (p27, fr)
- Lindeboom H, Kouwenhoven H, Bergman M, Bouma S, Brasseur S, Daan R, Fijn R, De Haan D, Dirksen S, Van Hal R et al. (2011). *Short-term ecological effects of an offshore wind farm in the Dutch coastal zone; a compilation*. [📄](#) (p13, en)
- Long CV, Flint JA, Lepper PA (2011). *Insect attraction to wind turbines: does colour play a role?*. [📄](#) (p9, en)
- Łopucki R, Klich D, Gielarek S (2017). *Do terrestrial animals avoid areas close to turbines in functioning wind farms in agricultural landscapes?*. [📄](#) (p11, en)
- Łopucki R, Klich D, Ścibior A, Gołębiowska D, Perzanowski K (2018). *Living in habitats affected by wind turbines may result in an increase in corticosterone levels in ground dwelling animals*. [📄](#) (p7, en)

- Łopucki R, Mróz I (2016). *An assessment of non-volant terrestrial vertebrates response to wind farms—a study of small mammals*. [\[p9, en\]](#)
- Łopucki R, Perzanowski K (2018). *Effects of wind turbines on spatial distribution of the European hamster*. [\[p4, en\]](#)
- Lovich JE, Ennen JR (2013). *Assessing the state of knowledge of utility-scale wind energy development and operation on non-volant terrestrial and marine wildlife*. [\[p9, en\]](#)
- Lu Z, Zhan X, Guo Y, Ma L (2019). *Small-Scale Effects of Offshore Wind-Turbine Foundations On Macrobenthic Assemblages in Pinghai Bay, China*. [\[p, en\]](#)
- Marques J, Rodrigues S, Ferreira R, Mascarenhas M (2018). *Wind Industry in Portugal and Its Impacts on Wildlife: Special Focus on Spatial and Temporal Distribution on Bird and Bat Fatalities*. [\[p22, en\]](#)
- Matzner S, Cullinan V, Duberstein C (2015). *Two-Dimensional Thermal Video Analysis of Offshore Bird and Bat Flight*. [\[p9, en\]](#)
- Mavraki O (2020). *On the food-web ecology of offshore wind farms, the kingdom of suspension feeders*. [\[p278, en\]](#)
- May R (2019). *The Mitigation of Impact and the Impact of Mitigation: An Ethical Perspective*. [\[p21, en\]](#)
- May R, Bevanger K, van Dijk J, Petrin Z, Brende H (2012). *Renewable energy respecting nature. A synthesis of knowledge on environmental impacts of renewable energy financed by the Research Council of Norway*. [\[p58, en\]](#)
- May R, Masden EA, Perron M (2019). *Considerations for upscaling individual effects of wind energy development towards population-level impacts on wildlife*. [\[p10, en\]](#)
- McCubbin D, Sovacool BK (2013). *Quantifying the health and environmental benefits of wind power to natural gas*. [\[p13, en\]](#)
- McGovern S et al. (2019). *The First Large-Scale Offshore Aerial Survey Using a High-Resolution Camera System*. [\[p9, en\]](#)
- Methratta ET, Dardick WR (2019). *Meta-Analysis of Finfish Abundance at Offshore Wind Farms*. [\[p20, en\]](#)
- Michel S, Toison V (2018). *Analyse de vulnérabilité de la faune marine pour la planification et l'évaluation des projets de parcs éoliens en mer*. [\[p11, fr\]](#)
- Mickey Agha et al. (2015). *Turbines and Terrestrial Vertebrates: Variation in Tortoise Survivorship Between a Wind Energy Facility and an Adjacent Undisturbed Wildland Area in the Desert Southwest (USA)*. [\[p10, en\]](#)
- National Marine Fisheries Service (2016). *Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing: Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts*. [\[p189, en\]](#)
- National Wind Coordinating Collaborative (2010). *Wind Turbine Interactions with Birds, Bats, and their Habitats: A Summary of Research Results and Priority Questions*. [\[p8, en\]](#)
- Neo Y, Ufkes E, Kastelein R, Winter H, ten Cate C, Slabbekoorn H (2015). *Impulsive Sounds Change European Seabass Swimming Patterns: Influence of Pulse Repetition Interval*. [\[p6, en\]](#)
- Niquil N et al. (2016). *Approche écosystémique des EMR : Modélisation du rôle des éoliennes offshore dans la modification du fonctionnement des réseaux trophiques côtiers et dans le cumul d'impacts*. [\[p1, fr\]](#)
- Niquil N, Raoux A, Haraldsson M, Azaïs E, Halouani G, Leroy B, Safi G, Noguès Q, Grangeré K, Dauvin J, Riera F, Mazé C, Le Loc'h F, Ching Villanueva M, Hattab T, Bourdaud P, Champagnat J, Ben Rais Lasram F (2020). *Toward an Ecosystem Approach of Marine Renewable Energy: The Case of the Offshore Wind Farm of Courseulles-sur-Mer in the Bay of Seine*. [\[p12, en\]](#)
- Nogues Q et al. (2020). *Cumulative effects of marine renewable energy and climate change on ecosystem properties: Sensitivity of ecological network analysis*. [\[p13, en\]](#)
- Northrup JM, Wittemyer G (2013). *Characterising the impacts of emerging energy development on wildlife, with an eye towards mitigation*. [\[p18, en\]](#)
- O'Carroll J, Kennedy R, Creech A, Savidge G (2017). *Tidal Energy: The Benthic Effects of an Operational Tidal Stream Turbine*. [\[p14, en\]](#)
- O'Carroll J, Kennedy R, Savidge G (2017). *Identifying Relevant Scales of Variability for Monitoring Epifaunal Reef Communities at a Tidal Energy Extraction Site*. [\[p10, en\]](#)
- Ortega-Izquierdo M, del Rio P (2020). *An analysis of the socioeconomic and environmental benefits of wind energy deployment in Europe*. [\[p31, en\]](#)
- Pătru-Stupariu I et al. (2019). *Do wind turbines impact plant community properties in mountain region?*. [\[p7, en\]](#)
- Pereira P, Salgueiro N, Mesquita S (2018). *Impacts of On-shore Wind Farms in Wildlife Communities: Direct Fatalities and Indirect Impacts (Behavioural and Habitat Effects)*. [\[p11, en\]](#)
- Péron G, Hines JE, Nichols JD, Kendall WL, Peters KA, Mizrahi (2013). *Estimation of bird and bat mortality at wind-power farms with superpopulation models*. [\[p10, en\]](#)
- Pettex E, Martinez L, Clorennec D, Folegot T (2018). *La quantification des impacts à long terme des parcs éoliens comme outil d'aide à la décision pour la mitigation*. [\[p4, fr\]](#)

- Pezy J-P et al. (2019). *Towards an Ecosystem Approach to Assess the Impacts of Marine Renewable Energy*. [\[p12, en\]](#)
- Pezy J-P, Raoux A, Dauvin J-C (2020). *The environmental impact from an offshore windfarm: Challenge and evaluation methodology based on an ecosystem approach*. [\[p8, en\]](#)
- Pezy J-P, Raoux A, Dauvin J-C (2018). *An ecosystem approach for studying the impact of offshore wind farms: a French case study*. [\[p9, en\]](#)
- Pineau S et al. (2011). *Transfert d'éléments constitutifs d'anodes sacrificielles AL-IN vers l'environnement*. [\[p11, fr\]](#)
- Piniak W, Eckert S, Harms C, Stringer E (2012). *Underwater Hearing Sensitivity of the Leatherback Sea Turtle (*Dermochelys coriacea*): Assessing the Potential Effect of Anthropogenic Noise*. [\[p35, en\]](#)
- Quétier F et al. - Biotope (2015). *La compensation écologique fonctionnelle : innover pour mieux traiter les impacts résiduels des projets d'aménagements sur la biodiversité*. [\[p7, fr\]](#)
- Raoux A et al. (2020). *Isotopic analyses, a good tool to validate models in the context of Marine Renewable Energy development and cumulative impacts*. [\[p8, en\]](#)
- Raoux A, Dambacher JM, Pezy J-P, Mazé C, Dauvin J-C, Niquil N (2018). *Assessing cumulative socio-ecological impacts of offshore wind farm development in the Bay of Seine (English Channel)*. [\[p10, en\]](#)
- Rehbein JA et al. (2020). *Renewable energy development threatens many globally important biodiversity areas*. [\[p32, en\]](#)
- Reubens JT, Pasotti F, Degraer S, Vincx M (2013). *Residency, site fidelity and habitat use of Atlantic cod (*Gadus morhua*) at an offshore wind farm using acoustic telemetry*. [\[p8, en\]](#)
- Ricart A, Pettex E, Lambert C, Falchetto H, Laran S, Dorémus G, Blanck A, Ridoux V (2014). *Suivi Aérien de la Mégafaune Marine en Manche Est - Rapport de campagne*. [\[p39, fr\]](#)
- Ricart A, Pettex E, Lambert C, Falchetto H, Laran S, Dorémus G, Blanck A, Ridoux V (2014). *Suivi Aérien de la Mégafaune Marine en Manche Est - Rapport final*. [\[p87, fr\]](#)
- Roach M, Cohen M, Forster R, Revill AS, Johnson M (2018). *The effects of temporary exclusion of activity due to wind farm construction on a lobster (*Homarus gammarus*) fishery suggests a potential management approach*. [\[p11, en\]](#)
- Roberts J, Best B, Mannocci L, Fujioka E, Halpin P, Palka D, Garrison L, Mullin K, Cole T, Khan C, McLellan W, Pabst D, Lockhart G (2016). *Habitat-Based Cetacean Density Models for the U.S. Atlantic and Gulf of Mexico*. [\[p12, en\]](#)
- Robertson BA et al. (2013). *Ecological novelty and the emergence of evolutionary traps*. [\[p9, en\]](#)
- Rosa L et al. (2019). *Camera-Trapping Versus Conventional Methodology in the Assessment of Carcass Persistence for Fatality Estimation at Wind Farms*. [\[p13, en\]](#)
- Ross S et al. (2019). *Musselroe Wind Farm Public Environmental Report July 2016 – June 2019*. [\[p74, en\]](#)
- Russell D, Hastie G, Thompson D, Janik V, Hammond P, Scott-Hayward L, Matthiopoulos J, Jones E, McConnell B (2016). *Avoidance of Wind Farms by Harbour Seals is Limited to Pile Driving Activities*. [\[p11, en\]](#)
- Scheidat M et al. (2011). *Harbour porpoises (*Phocoena phocoena*) and wind farms: a case study in the Dutch North Sea*. [\[p11, en\]](#)
- Schuchert P, Kregting L, Pritchard D, Savidge G, Elsässer B (2018). *Using Coupled Hydrodynamic Biogeochemical Models to Predict the Effects of Tidal Turbine Arrays on Phytoplankton Dynamics*. [\[p18, en\]](#)
- SEO Birdlife (2015). *Estudio comparativo de los impactos ambientales producidos por los aerogeneradores con palas vs. Aerogeneradores vortex bladeless*. [\[p17, es\]](#)
- Sheehan E, Bridger D, Nancollas S, Pittman S (2019). *PelagicCam: a novel underwater imaging system with computer vision for semi-automated monitoring of mobile marine fauna at offshore structures*. [\[p13, en\]](#)
- Shen H, Zydlewski GB, Viehman HA, Staines G (2016). *Estimating the probability of fish encountering a marine hydrokinetic device*. [\[p11, en\]](#)
- Smallwood KS, Beli DA, Standish S (2020). *Dogs Detect Larger Wind Energy Effects on Bats and Birds*. [\[p13, en\]](#)
- Smith K, Taylor K, Albeke S, Beck J (2020). *Pronghorn Winter Resource Selection Before and After Wind Energy Development in South-Central Wyoming*. [\[p, en\]](#)
- Sonter LJ et al. (2020). *Renewable energy production will exacerbate mining threats to biodiversity*. [\[p6, en\]](#)
- Sotta Chloé (2012). *Synthèse documentaire des impacts environnementaux des énergies marines renouvelables*. [\[p112, fr\]](#)
- Sovacool BK (2012). *The avian and wildlife costs of fossil fuels and nuclear power*. [\[p25, en\]](#)
- Sovacool BK (2012). *The avian benefits of wind energy: A 2009 update*. [\[p6, en\]](#)
- Stenberg C, Støttrup J, van Duers M, Berg C, Dinesen G, Mosegaard H, Grome T, Leonhard S (2015). *Long-Term Effects of an Offshore Wind Farm in the North Sea on Fish Communities*. [\[p9, en\]](#)
- Stienen EWM, Van Waeyenberge J, Kuijken E (2006). *Referentiestudie van de avifauna van de Thorntonbank - Studie uitgevoerd in opdracht van het Koninklijk Belgisch Instituut voor Natuurwetenschappen*, [\[p1, en\]](#)

Beheerseenheid Mathematisch Model van de Noordzee Instituut. [📄](#) (p135, nl)

- Taormina B et al. (2020). *Bilan des effets potentiels des champs électromagnétiques générés par les câbles électriques sous marins associés au développement de parcs éoliens offshore sur les organismes marins.* [📄](#) (p54, fr)
- Taormina B et al. (2020). *Impact of magnetic fields generated by AC/DC submarine power cables on the behavior of juvenile European lobster (Homarus gammarus).* [📄](#) (p33, en)
- Teilmann J, Carstensen J (2012). *Negative long term effects on harbour porpoises from a large scale offshore wind farm in the Baltic—evidence of slow recovery.* [📄](#) (p10, en)
- Teilmann J, Tougaard J, Carstensen J (2012). *Effects on harbour porpoises from Rødsand 2 offshore wind farm.* [📄](#) (p66, en)
- Thaker M, Zambre A, Bhosale H (2018). *Wind farms have cascading impacts on ecosystems across trophic levels.* [📄](#) (p8, en)
- Thaxter CB et al. (2017). *Bird and bat species' global vulnerability to collision mortality at wind farms revealed through a trait-based assessment.* [📄](#) (p10, en)
- Thompson D, Hall A, McConnell B, Northridge S, Sparling C (2015). *MR1 & MR2 Current State of Knowledge of the Effects of Offshore Renewable Energy Generation Devices on Marine Mammals and Research Requirements: Update, September 2014.* [📄](#) (p55, en)
- Thomsen F, Gill A, Kosecka M, Andersson M, André M, Degraer S, Folegot T, Gabriel J, Judd A, Neumann T, Norro A, Risch D, Sigray P, Wood D, Wilson B (2015). *MaRVEN - Environmental Impacts of Noise, Vibrations and Electromagnetic Emissions from Marine Renewable Energy.* [📄](#) (p80, en)
- Thomsen F, Lüdemann K, Kafemann R, Piper W (2006). *Effects of offshore wind farm noise on marine mammals and fish.* [📄](#) (p62, en)
- Trainor AM, McDonald RI, Fargione J (2016). *Energy Sprawl Is the Largest Driver of Land Use Change in United States.* [📄](#) (p16, en)
- Trieb F (2018). *Interference of Flying Insects and Wind Parks.* [📄](#) (p30, en)
- Trommetter M et al. (2017). *Climat et biodiversité. Concilier énergies renouvelables et biodiversité.* [📄](#) (p26, fr)
- Tsegaye D, Colman JE, Eftestøl S, Flydal K, Røthe G, Rapp K (2017). *Reindeer spatial use before, during and after construction of a wind farm.* [📄](#) (p9, en)
- UICN France (2015). *Energies Marines Renouvelables et Biodiversité en Outre-mer - Actes du séminaire du 27 octobre 2014.* [📄](#) (p24, fr)
- Vallejo GC, Grellier K, Nelson EJ (2017). *Responses of two marine top predators to an offshore wind farm.* [📄](#) (p11, en)
- van Deurs M et al. (2013). *Short- and long-term effects of an offshore wind farm on three species of sandeel and their sand habitat.* [📄](#) (p1, en)
- van Hal R, Griffioen AB, van Keeken OA (2017). *Changes in fish communities on a small spatial scale, an effect of increased habitat complexity by an offshore wind farm.* [📄](#) (p28, en)
- Verfuss U, Plunkett R, Booth C, Harwood J (2016). *Assessing The Benefit Of Noise Reduction Measures During Offshore Wind Farm Construction On Harbour Porpoises.* [📄](#) (p7, en)
- Verfuss UK, Plunkett R, Booth CG, Harwood J (2016). *Assessing the benefit of noise reduction measures during offshore wind farm construction on harbour porpoises.* [📄](#) (p41, en)
- Want A, et al. (2017). *Biodiversity characterisation and hydrodynamic consequences of marine fouling communities on marine renewable energy infrastructure in the Orkney Islands Archipelago, Scotland, UK.* [📄](#) (p14, en)
- Weber J et al. (2019). *Lost in Bias? Multifaceted Discourses Framing the Communication of Wind and Wildlife Research Results: The PROGRESS Case.* [📄](#) (p26, en)
- Whyte K et al. (2020). *Estimating the effects of pile driving sounds on seals: Pitfalls and possibilities.* [📄](#) (p12, en)
- Wilber DH, Carey DA, Griffin M (2018). *Flatfish habitat use near North America's first offshore wind farm.* [📄](#) (p9, en)
- Williams K, Connelly E, Johnson S, Stenhouse J (2015). *Wildlife Densities and Habitat Use Across Temporal and Spatial Scales on the Mid-Atlantic Outer Continental Shelf (2012-2014).* [📄](#) (p814, en)
- Williamson B, Scott B, Waggitt J, Blondel P, Armstrong E, Hall C, Bell P (2014). *Using the FLOWBEC Seabed Frame to Understand Underwater Interactions between Diving Seabirds, Prey, Hydrodynamics and Tidal and Wave Energy Structures.* [📄](#) (p13, en)
- Willis CKR et al. (2010). *Bats are not birds and other problems with Sovacool's (2009) analysis of animal fatalities due to electricity generation.* [📄](#) (p3, en)
- Wilson B, Batty R S, Daunt F, Carter C - Scottish Association for Marine Science (2007). *Collision risks between marine renewable energy devices and mammals, fish and diving birds.* [📄](#) (p110, en)
- Wilson B, Benjamins S, Elliot J, Gordon J, Macaulay J, Calderan S, van Geel N (2014). *Estimates of Collision Risk of Harbour Porpoises and Marine Renewable Energy Devices at Sites of High Tidal-Stream Energy.* [📄](#) (p79, en)
- Wilson RP, Liebsch N, Davies I, Quintana M et al. (2006). *All at sea with animal tracks: methodological and analytical solutions for the resolution of movement.* [📄](#) (p18, en)
- Xia G, Zhou L (2017). *Detecting Wind Farm Impacts on Local Vegetation Growth in Texas and Illinois Using*

MODIS Vegetation Greenness Measurements.

[!\[\]\(2b9000c261447981d88674ebdb52dc1e_img.jpg\)](#) (p16, en)

- Yang J et al. (2018). *The life-cycle energy and environmental emissions of a typical offshore wind farm in China.* [!\[\]\(97d7445697a94970d6443da16b12b5fa_img.jpg\)](#) (p9, en)
- Zhang X, Xu L, Chen Y, Liu T (2020). *Emergy-based ecological footprint analysis of a wind farm in China.* [!\[\]\(258b828d223cb6b35d2b001cf8c6c1e7_img.jpg\)](#) (p8, en)