

Kommentering af udkast til produkt af forskningsbaseret faglig rådgivning fra DCE, Aarhus Universitet

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| Titel på produkt | Offshore surveys of Birds, Bats and Marine Mammals for Offshore Wind Farms in Danish Waters, North Sea I for Year 2. BIRDS (1 st draft) | | |
| Ansvarlig for produktet (projektleder i DCE) | Ib Krag Petersen | | |
| Rekvirent | Energinet Eltransmission A/S | | |
| Kontaktperson hos rekvirent | Majken Them Tøttrup | | |
| Deadline for fremsendelse af kommentarer | 15. juni 2025 | Dato for afslutning af håndtering af kommentarer | 30. juni 2025 |

Husk venligst at kommentering skal foretages på baggrund af rapportens PDF-version.



| <i>Rekvirent</i> | | | <i>DCE</i> | |
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| <i>Kommentar</i> | <i>Placering i produktet</i> | <i>Ansvarlig for kommentar</i> | <i>Håndtering af kommentar</i> | <i>Ansvarlig for håndtering af kommentar</i> |
| Spatial modelling – does one produce associated uncertainty? Would it be more correct to write ‘calculate or estimate’? | Table 0-1 + line 212 | Energinet | It has been clarified in the spatial model definition that the uncertainty is estimated. | HMT |
| Please insert ‘the Environmental Impact Assessment (EIA) | Line 96 | Energinet | The suggestion has been added to the summary. | HMT |
| Please consider already in the Summary – and again in the Introduction....and throughout the report to name the first year of surveys ‘Y1-surveys’ and the second year ‘Y2-surveys’, as it makes it easier for the reader. | Line 96 onwards | | The use of Y1 and Y2 has been made consistent throughout the reports. The definition of Y1 and Y2 has also been added to the list of key terms. | HMT |
| Please consider replacing ‘parallel’ with identical – or delete | Line 97-98 | Energinet | The word ‘parallel’ has been deleted. | HMT |
| Repetition – please delete ‘from the eight ...between April 2024 and March 2025’ | Line 104 | Energinet | The repetition has been deleted. | HMT |
| Consider replacing ‘Such’ with ‘These’ - if the abundances and distributions mentioned above are for both survey years. | Line 108 | Energinet | The word ‘such’ has been replaced with “these”. | HMT |
| Consider rephrasing; ...performed for the combined data sets of both Y1 and Y2. In general, in the Summary, please consider if it is possible to include a bit more information about the Y1 /Y2 comparison analysis. | Line 108-109 | Energinet | The use of Y1 and Y2 has been made consistent throughout the reports. The definition of Y1 and Y2 has also been added to the list of key terms. More information about the comparison between Y1 and Y2 has been added to the summary. | HMT |
| Please consider using the word ‘surveys’ consistently. It is suggested to write ‘Data from Y1-surveys of birds...’ and use that type of wording consistently. | Line 182 | Energinet | The word ‘surveys’ is now used consistently throughout the report. | HMT |



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| Please consider using 'surveys' instead of 'investigations. | Line 183 | Energinet | The word 'surveys' is now used consistently throughout the report. | HMT |
| Please consider consistently using either 'study area' or 'survey area'.....also in the following sections. | Line 184 | Energinet | It is now consistently referred to as the survey area throughout the report. | HMT |
| When describing the pre-investigation area in line 192 – 197, is that the birds survey area- or the pre-investigation area without the buffer? | Line 192 – 197 | Energinet | The distinction between the North Sea I pre-investigation area and aerial survey area (North Sea I pre-investigation area + 20 km buffer) has been made clearer. | HMT |
| Please consider splitting/reducing this section – a lot of the text seems better placed in other sections such as result and methods (and could also be mentioned in the summary) | Introduction and Perspectives | Energinet | The section has been significantly reduced to minimize overlap with other sections. | HMT |
| Unsurveyed? | Line 240 | Energinet | The word 'surveyed' has been corrected to 'unsurveyed'. | HMT |
| In line 425-426 consider making the text more precise by saying that ship-based bird surveys were conducted in the Y1-survey and the Y2-survey. | Line 425-426 | Energinet | The sentence has been made more precise. | HMT |
| Are they not just 'results' (not preliminary)? | Line 428 | Energinet | The word 'preliminary' has been deleted. | HMT |
| Please correct to 'remaining seven surveys' | Line 654 | Energinet | The 'six' has been corrected to 'seven'. | HMT |
| Please consider adding (in the sub-sections of Survey Results) a bit more explanation about what the statistical methods are testing and what the differences are when the two datasets (Y1 and Y2) are combined. | Results | Energinet | We think that further explanations to the methods under the Results chapter will confuse the reader. Chapter 2 and Appendix 2 describe the methods, both in general terms (Chapter 2) and in greater detail (Appendix 2). | IKP |
| Unclear what the first and last eight surveys refer to – Y1 and Y2? Consider adding paragraphs in the text with (y1) and (y2), when mentioning them | Line 734 - | Energinet | The use of Y1 and Y2 has been made consistent throughout the reports. The definition of Y1 and Y2 has also been added to the list of key terms. | HMT |



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| | Consider adding species to all figures (incl. detection function, ACF plots, quasi-Poisson, QQ plot) - either above figure or in figure text | P 52 – but goes for all these figures | Energinet | Species or species group has been added to all diagnostics figure legends. | HMT |
| | All surveys – or most surveys? | Line 932-933 | Energinet | It has been clarified that this applies to most, but not all surveys. | HMT |
| | Colour missing from figure | Table 3-79 (2024-03-21) + p 110 | Energinet | The colour is not missing. In a number of occasions, the variation in abundances is so great that the details in the majority of the maps are lost due to one or few surveys with very high abundances. For that reason, we have in such cases offered a double figure, where the first one in such pairs offers the distribution with the full abundance values. In the second one, as for instance Figure 3-79, the scale for abundance is downgraded for the reader to be able to see details in the lower density figures. In such cases, the colour signature of the omitted survey is blank. This information has been added to the legend where appropriate. | IKP, HMT |
| | Please specify that this is data from both survey years - consider adding a column with month/year of survey | Line 1312 | Energinet | It has been made clearer that these results are from both Y1 and Y2. Survey months have been added to table 3-17. | HMT |
| | Consider adding to figure text, an explanation for the blanks in each sub-figure – and mentioning it in the relevant section p. 113, l 1338 | Figure 3-92 | Energinet | It has been added to the figure and text that the blanks are caused by the North and Southwest observation positions not being surveyed during surveys S01 and S06, respectively. | HMT |
| | Consider adding survey months to the figures. | Figures 3-92 and 3-93 | Energinet | The survey month and year has been added to table 3-17 to make the timing of surveys clearer. The figures remain unaltered. | HMT |



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| | Please add to the figure text an explanation for the Y1 and Y2 designation. Consider doing this earlier in the text and use throughout the report - (Y1)/(Y2)/(Y1+Y2), when mentioning the different datasets | Figure 3-94 | Energinet | The Y1 and Y2 definitions have been added to the figure legend. The general use of Y1 and Y2 has also been made more consistent. | HMT |
| | Please also write the full name for CVA | Line 1785 | Energinet | The acronym has been explained in the sentence. | HMT |
| | Please add an A (CVA) | Line 1799 + line 1806 | Energinet | The acronym has been corrected in the legends of figure 3-127 and 3-128. | HMT |
| | In line 1868: should “the two survey seasons” be “the two survey years”? Same comment for line 1878, | Line 1868 +1878 | Energinet | It has been specified that the comparison is between survey years. | HMT |
| | Regarding the activities on Thor OWF area: The first monopile was installed on 30 th April 2025. It is not correct to say that Thor OWF has been constructed during the two years of bird surveys, but there have been geophysical and geotechnical survey activities in the area in some of the months. | Line 1882 | Energinet | Sentence has been changed to: “and geophysical and geotechnical surveys in the Thor OWF area was ongoing in the northern part of the survey area during the survey period related to the present project.” | IKP |
| | Please insert reference | Line 1910 | Energinet | Reference to the North Sea I bird report from Y1, including data from the entire DK North Sea has been added. | IKP |



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| | <p>The argumentation for “NSI pre-investigation area serves as a regular migratory corridor...” is not clear. What is the definition of a migratory corridor, how is this different from other offshore areas which migratory seabirds cross on their migration?</p> <p>In line 1960 it says “These findings reinforce the conclusion that the NSI pre-investigation area lies within active migratory corridors”. It would be useful with a definition of migratory corridor.</p> | <p>Line 1951 + Line 1960</p> | <p>Energinet</p> | <p>The report section has been restructured to make the conclusions and supporting data clearer.</p> | <p>HMT</p> |
| | <p>Please check the wording “the peak consisted of several hundred detections per hour rather than thousand....”. Peak in October 2024 higher than 2023.</p> | <p>Line 1965</p> | <p>Energinet</p> | <p>It is important to note that the Y-axis for 2023 is in thousands, while in 2024 in hundreds. We have rephrased the sentence to help clarify this. “In 2023, peak bird movement occurred within a relatively short 24-hour window, with several thousand detections per hour. In contrast, in 2024, the peak period extended over five days, with several hundred detections per hour.”</p> | <p>IKP</p> |
| | <p>In line 1965 it says “Diurnal patterns...”, but it is not clear if this relates to Y2 or both years?</p> | <p>Line 1965-1969</p> | <p>Energinet</p> | <p>It has been clarified that this refers to Y2.</p> | <p>HMT</p> |
| | <p>What is meant by “particularly low flight altitudes...”much lower than 100 m ?...or consistently lower than 100m?</p> | <p>Line 1977</p> | <p>Energinet</p> | <p>It has been clarified that these species consistently flew at altitudes below 50 meters.</p> | <p>HMT</p> |
| | <p>Please elaborate on how it is concluded that the NSI pre-investigation area “supports a high diversity”, i.e. what does it take for an area to “support”?</p> | <p>Line 2000-2003</p> | <p>Energinet</p> | <p>The phrasing has been changed to make the meaning clearer.</p> | <p>HMT</p> |



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| | Please elaborate on “high diversity of migratory seabirds”. How is “high” defined and is it compared with the occurrence of species in other, similar areas? | Line 2000-2003 | Energinet | The phrasing has been changed to make the meaning clearer (see above comment). | HMT |
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