

## ***Interactive comment on “Significant multi-decadal variability of German wind energy generation” by Jan Wohland et al.***

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I think the paper addresses a key aspect of wind energy variability by focusing on its low frequency spectrum. The manuscript reads very well, the analysis is well designed, the conclusion are well rooted on the shown results and the figures are clear. I therefore recommend its publications almost as it is. I only have a very few minor comments:

Fig 1. Caption: ERA20CM?

Fig 2. Correlation between daily records should be computed from detrended series with removed seasonality, shouldn't it?

Table 1. 20CR version → 20CR

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Fig 3. Maybe good to use the same y-axes for all subplots. In the context of lines 18-20 in page 9.

Fig 4. Correlations are calculated between 20y mean anomalies, which means between 20y runmean anomalies, right? Are these means computed for the 20 years ahead (Equation 2)? In both cases?

Fig 4. Panel b maybe better at Fig 5.

Page 16, line 10. ERA5 is expected to be entirely published BY THE END OF 2019.

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