Interactive comment on "An Overview of Wind Energy Production Prediction Bias, Losses, and Uncertainties" *by* Joseph C. Y. Lee and M. Jason Fields

Anonymous Referee #2

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The reviewed manuscript reports a compilation and presentation of the ranges and trends for the most relevant quantities of interest in standard wind resource assessment studies. It gives an overview of the results for a large number of studies, which in this extent is to my knowledge unique. In this sense, the drawn conclusions together with the processed background details are highly relevant for the wind industry and may serve, together with the methodologies developed within the IEC 61400-15 context, as an improtant reference in the near future. (I would like to go so far as to recommend that the study be continued continuously in the future and to communicate this as a recommendation for action to the relevant committees.)

Having all this written, however, I have doubts if the manuscript qualifies as a scientific paper in Wind Energy Science. Apart from the very relevant data basis, I represent the opinion that the study lacks substantial new concepts, ideas or methods. Trends are identified and to some extent explained but no actual concept is deduced from this. In that sense, my recommendation to the authors would be either to revise the approach of the manuscript and add more scientific methods and contents, or find a better way of publishing this indeed very relevant and valuable study.

Minor remark: (e.g. Figure 3) I would recommend not to use years on the x-axis and for the application of a regression analysis – this gives rather non-intuitive values for the derived intercepts.

Interactive comment on Wind Energ. Sci. Discuss., https://doi.org/10.5194/wes-2020-85, 2020.