

Interactive comment on “The risks of extreme load extrapolation” by Stefan F. van Eijk et al.

Anonymous Referee #2

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The paper is clear and well-written. It addresses an important practical component of wind turbine design, namely, the extrapolation of loads to a 50-year return value as described in IEC-61400 DLC 1.1. The authors use a simple but effective example of how uncertainties associated with sample size can lead to poor design decisions. The authors should consider the following comments:

1. What is the procedure for obtaining the 50-year load from the data? There is some uncertainty associated with this value, and the authors should attempt to estimate it (for example, from a bootstrap procedure).
2. It is not clear how the results might differ should one choose a different distribution other than GEV for the fit. While an exhaustive study of many possible distributions is not required, some discussion and exploration of this is in order.

Interactive comment on Wind Energ. Sci. Discuss., doi:10.5194/wes-2017-12, 2017.