

Wind Energ. Sci. Discuss., author comment AC2
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Reply on RC2

Christoffer Hallgren et al.

Author comment on "The smoother the better? A comparison of six post-processing methods to improve short-term offshore wind power forecasts in the Baltic Sea" by Christoffer Hallgren et al., Wind Energ. Sci. Discuss.,
<https://doi.org/10.5194/wes-2021-31-AC2>, 2021

Dear referee #2,

Thank you for your very positive feedback on our manuscript!

According to your comments, we have reviewed the manuscript and made the following changes:

Line 115: I might have missed it, but please spell out PCHIP at first use

The acronym PCHIP (piece-wise cubic Hermite interpolating polynomial) is explained on line 87. Thus, we did not change anything on line 115.

Table 1: Please indicate in the caption what the differences between the two columns are.

We have rearranged this Table and added headers to clarify the difference between the columns (training features "Based on AROME D1", "Based on AROME D2", "Based on LiDAR" or "Based on index"). We also changed the text in the caption to the following:

Table 1. All training features available for the RF algorithm. In the first column, training features based on the most recent forecast (D1) are listed, and in the second column, training features based on the forecast from the day before (D2) are listed (see Sect. 3.2.1 for details). The indices denote the grid points as marked in Fig. 1c. The persistence forecast for wind speed, listed in the third column, was generated using the LiDAR observations at 23 UTC as described in Sect. 3.2.2. In the fourth column, training features based on index are listed. All forecasts for wind speed, wind direction and temperature are valid for hub height (90 m).

Line 360: no () for Hallgren et al., 2020.

We have now fixed this.

Sincerely,

Christoffer Hallgren and co-authors