

Interactive comment on “Analysing wind and biomass electricity potential in rural Germany considering local demand in 15-minute intervals” by Laura Stöbel et al.

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Dear referees,

thank you very much for your feedback.

You are right, the focus of the paper lies on power production from biomass not wind power. However, as the main problem of fluctuating feed-in from wind power is addressed, we still consider it a good fit for this journal. Furthermore, this is the first publication of the research project and modeling feed-in from wind power will be more strongly emphasized in future works.

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A sophistication of the cluster analysis including the integration of further parameters is planned for future works. This will automatically refine the resulting clusters. As for temporal availability of biomass, at the current state of the model only seasonal effects over the course of the year are considered. For future works both the past and the future development of biomass availability will be integrated. This will provide information on future potential development. However, as this requires a thorough research on current trends in agricultural farming in different regions, we consider it out of scope for this paper.

Interactive comment on Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2019-79>, 2019.

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