

Interactive comment on “Modeling Atmospheric Ammonia using Agricultural Emissions with Improved Spatial Variability and Temporal Dynamics” by Xinrui Ge et al.

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Thanks for your feedback on our paper.

We adjusted the structure of the paper. We moved the temporal allocation of emissions from grazing, animal housing and manure storage to the appendix in order to shorten the length. In addition, we went through the manuscript and rephrased the sentences to improve the style of writing.

The Dutch MAN network started measuring ammonia in 22 nature areas and then was expanded to 84 areas in 2019. The stations are located as far from emission sources

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as they can get, but a few of them are still close to source since the Netherlands is small in size. As a result, the majority of the MAN stations could reflect ammonia level over a wider area.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-979>, 2020.

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