

## ***Interactive comment on “A Lagrangian convective transport scheme including a simulation of the time air parcels spend in updrafts” by Ingo Wohltmann et al.***

**Ingo Wohltmann et al.**

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Dear Astrid Kerkweg,

- **The main paper must give the model name and version number (or other unique identifier) in the title**

This was discussed with the editor Patrick Jöckel before submission. He agreed to the current title. The manuscript presents an algorithm, which in principle can be implemented into any given chemistry and transport model or trajectory model, which we would like to stress by not mentioning a model name in the title.

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The implementation into the ATLAS model is done to demonstrate the feasibility of the approach and to perform validation runs, but any other model could have been used for this. ATLAS is a model consisting of several independent modules (trajectories, chemistry, mixing,...), and only the trajectory module is used in this study, which only comprises a small part of the source code. Hence, it would be potentially misleading to prominently state the name of the ATLAS model in the title.

- **Code availability**

Please understand that I do not have the permission or authority to change the current statement. But I will happily provide the source code on any reasonable request.

I agree that it is important to know the exact state of development. I have added to the code availability section that the manuscript is based on the revision 1279 of the version control system. The repository allows to retrieve this version without problems.

Best regards, Ingo Wohltmann

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-5>, 2019.

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