

Dear authors,

thank you for the changes in the abstract; I think your paper should be now published.

My recommendation is that you rethink the term "short forecast transport barriers", which has been now introduced in the abstract. This term is perhaps not straightforward to understand for the general reader.

Congratulations and all the best

Rolf Müller

Thank you for your suggestion. We have changed the respective sentence in the abstract to read as

*"While the long-term dynamics of aerosol dispersion are accurately predicted with transport barriers calculated from short forecasts, the long-term influence on radiative forcing is more difficult to predict and warrants deeper investigation."*