

# Response to editor

Dear Editor,

Thank you very much for your positive feedback on our manuscript. We have made the suggested grammatical revisions throughout the text.

Regarding the NO<sub>2</sub> monitoring infrastructure in South Africa, we agree that this should be more clearly acknowledged in the Introduction. We have therefore revised the statement as follows: "To the best of our knowledge, apart from the South African Air Quality Information System (Gwaze and Mashele, 2018), there are currently no other operational AQMs openly reporting NO<sub>2</sub> measurements in Sub-Saharan Africa".

In addition, we have included a new section "Code and data availability", which references where online datasets and the pre-processed datasets used in our study can be accessed.

We hope these revisions adequately address your comments and improve the clarity of the manuscript.