Saturday, 22 February 2025

Dear Prof. Tost and the Editorial Team,

We would like to thank you for the comments included in this round of the revision process. These will inadvertently improve the quality of our manuscript.

Please find below our point-by-point response to your suggestions, along with a list of all relevant changes made.

We trust that these revisions adequately address your comments and contribute to an enhanced, more clearly organised manuscript. We appreciate your constructive feedback and the opportunity to improve our work.

Thank you for your time and consideration.

Sincerely,

Trish Nowak - on behalf of all the authors
PhD Candidate
UKRI CDT in Environmental Intelligence: Data Science & AI for Sustainable Futures
University of Exeter
https://mathematics.exeter.ac.uk/staff/pn284

1. **Manuscript Layout and Structure**

   ◦ **Change Implemented:** We have restructured the manuscript so that after the Introduction, a dedicated "Data and Methods" section now follows. This aligns the format with the typical GMD publication style, as indicated in the GMD's LaTeX template.

2. **Separation Between Methods and Results**

   ◦ **Change Implemented:** We have revised the Methods section to exclusively detail the data acquisition and analytical procedures. Any discussions or interpretations that were previously included with the methods have now been moved to the Results section.

3. **Addition of a Conclusion/Summary Section**

   ◦ **Change Implemented:** We have added a new Conclusions section at the end of the manuscript. Here, we succinctly outline the main findings and implications of our study. This should provide a clear takeaway for readers that seek the core message of the paper.

4. **In-Text Citation Formatting**

   ○ **Change Implemented:** All in-text citations have been reformatted to follow the prescribed GMD style (name, followed by date) instead of using numerical citations. We ensured the compliance with GMD's submission guidelines as detailed on the journal's website and the LaTeX manuscript template.

5. **Supplementary Material**

   ○ **Change Implemented:** The supplementary material was extracted from the main manuscript file and uploaded as a separate .zip file. In addition, the file has been renamed according to GMD's standards.