

Reply to the editors' comments: **gmd-2022-139**

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We would like to thank the editor for their time to read and comment on the revised submission of this manuscript. We have addressed the final technical corrections and hope this improves the manuscript satisfactorily. The following has been modified since the last revision:

- Results is now the main heading for Sect. 3. The subsequent text has been split up into 4 individual sections.
- The heading numbers in section 2 are now consistent and read as sections 2.1 and 2.2.
- Section 4 now contains just the conclusions and section 5 has been added to describe the applications of use for the scheme and future work.