

Dear Dr Gresham and co-authors.

Thank you for revising your paper based on the reviewers' comments. You have done a great job at addressing their concerns and the paper is greatly improved by these revisions. Therefore, I am pleased to accept your paper for publication in Biogeosciences!!

I did find a few places that would benefit from technical corrections as indicated in the annotated PDF attached. In some cases these comments might not be ideal so I tried to indicate as such by saying "optional". Please let me know if you have any questions.

Also, I think the inclusion of so many supplemental files is really helpful for scientific transparency and allowing others to more easily compare their results/data to yours. Nice job with that.

Best,

Dr. Denise Akob

Dr. Denise Akob,

Thank you for working with us on this paper, we appreciate the time and energy you have spent improving it, finding reviewers, and keeping the project moving forward. The paper has dramatically improved because of your, and the reviewers, support.

We have made all of the corrections you had advised.

Thank you again