

Comment response

Line 249-250: What is the relationship between machine learning techniques and the generalization of SISSOMA's architecture, and how does this enable its application in global biogeochemical models?

We added a more detailed description of how to use machine learning techniques to generalize SISSOMA which can lead to a computationally-light model able to be integrated in more sophisticated biogeochemical models.

Writing:

Line 93: Double parentheses. **fixed**

Lines 327 and 356: References should not be in parentheses. **fixed**