

Interactive comment on “Annual hypoxia dynamics in an enclosed gulf” by K. Kountoura and I. Zacharias

K. Kountoura and I. Zacharias

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Dear referee #2,

First of all I must apologize for the mistake I made by writing “enclose gulf”. The correct is “semi enclose gulf”. By reading yours and the first reviewer comments, I realized that a detailed description of the model and its results is necessary. I am willing to do more analysis of model output, simulation for a year and statistical evaluation of model performance. If the editor decides to do the revisions, I will include all the additions into the revised version.

SPECIFIC COMMENTS

1. I agree and I will change it.

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2. I understand all your questions but I think that I should answer to all of them in the new version of the manuscript, which I am willing to resubmit and include the answers from both reviewers, because some of them are similar.

3. I will read the references you provided and I will try to couple the formulation of biological oxygen uptake with the model to understand the balance between physical and biological oxygen terms.

4. I cannot answer this question now. I need to run the model for a year and then I will see the transports. I will include an answer to this question in my revised manuscript.

5. I am not very sure that I understood this suggestion. Will you please send me some references on what exactly you want me to do?

6. I will include a section where my findings will be discussed with the differences from the dynamics in other fjord-like systems.

Thank you for your suggestions and I will try to fulfill all your expectations. But first, I will wait for the editor decision, before I prepare the revised manuscript.

Sincerely,

Ierotheos Zacharias

Interactive comment on Biogeosciences Discuss., 9, 5049, 2012.

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