

Interactive comment on “Quantifying the contributions of riverine vs. oceanic nitrogen to hypoxia in the East China Sea” by Fabian Große et al.

Hagen Radtke (Referee)

hagen.radtke@io-warnemuende.de

Received and published: 8 October 2019

The article has a clear scientific objective and is written clearly and concisely. It provides new insights into East China Sea hypoxia.

Unfortunately I see two major shortcomings which need to be clarified before the article can be published. The first one is about the appropriateness of using a simplification of the nutrient tagging method for this application. The second one is about insufficient model validation. If these can be fixed and the authors show that (a) the method is applicable and (b) the model has a sufficient quality in the parameters in question, I would recommend publication of the article.

C1

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2019-342/bg-2019-342-RC1-supplement.pdf>

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-342>, 2019.

C2