

Interactive comment on “The role of benthic foraminifera in the benthic nitrogen cycle of the Peruvian oxygen minimum zone” by N. Glock et al.

P. Grunert (Referee)

patrick.grunert@uni-graz.at

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General comment on manuscript bg-2012-616

The manuscript of Glock et al. reports an ambitious study that aims to quantify the contribution of benthic foraminiferal nitrate storage and denitrification to the nitrogen cycle of the Peruvian OMZ. The results of this study will be an important contribution to our understanding of the oceanic nitrogen cycle, and are worthy of being published in BG. However, there remain some concerns after reviewing the manuscript, specifically with respect to the calculation of foraminiferal denitrification rates (see attached PDF file). These issues should be clarified and addressed in more detail by the authors in a revised version of the manuscript. The manuscript is well structured and, for the most part, well written. The Results section could be shortened to some extent as in many

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cases the text is a repetition of data shown in the tables.

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/9/C7970/2013/bgd-9-C7970-2013-supplement.pdf>

Interactive comment on Biogeosciences Discuss., 9, 17775, 2012.

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