

## ***Interactive comment on “Variability of phyto- and zooplankton communities in the Mauritanian coastal upwelling between 2003 and 2008” by Oscar E. Romero et al.***

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Received and published: 4 November 2019

Variability of phyto- and zooplankton communities in the Mauritanian coastal upwelling between 2003 and 2008 (bg-2019-314)

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As required by BG, the response to the Referees is structured in the following sequence: (1) comments from Referees (RC), (2) author's response (AR), (3) author's changes in manuscript (ACM).

C1

### Comments from Referee #2

RC: Just a last point to add to my review. Diatom flux data presented in this work seems to have been previously published (Romero and Fischer, 2017, Prog. Oceanogr. 159, 31-44). Could authors clarify which data is new and which data has been published before? Please note that Materials and Methods section has to be corrected accordingly. As it reads now it seems that all the diatom flux data is new. Please revise for diatoms and other microplankton groups if required.

AR: All coccolithophore, dinoflagellate, planktonic foraminifera and pteropod data are new. Diatom data were previously published in Romero and Fischer (2019, Prog. Ocean 159, 31). We will make clear that our MS builds on previous work.

ACM: In addition to the previously published diatom data (Romero and Fischer, 2017), we present here new data on fluxes of coccolithophores, calcareous and organic dinoflagellate cysts, planktonic foraminifera and pteropods, and the relative contribution (percentage) of most ecologically important taxa collected with trap CBeu between June 2003 and February 2008.

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Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-314>, 2019.

C2