

***Interactive comment on “Population modelling of
Acartia spp. in a water column ecosystem model
for the Southern Baltic Sea” by
L. Dzierzbicka-Glowacka et al.***

Anonymous Referee #1

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General comments: (1) Although I am not skill to this-like simulations, I believe, this MS is equivalent to one of technical reports, because their simulations are not enough to be examined under field observation data except for POC (not enough) data. The authors should make clear to the degree what their simulations are valid under field observation data (usually varied temporally and spatially due to strong patchness of phyto- and zooplanktons). (2) This paper is very similar to previous studies done by Fennel(2001) and Dzierzbicka-Glowacka and his colleagues, I wonder which parts of this paper are new except for dealing with *Acartia* spp.

Specific comments: (1) In the Discussion section, authors referred to biomass data of

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zooplankton, so better to illustrate these data in figures.

Interactive comment on Biogeosciences Discuss., 7, 55, 2010.

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