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Discussions

Interactive comment on "Potential Impact of Carbonate Chemistry Change (pCO_2) on Krill and Krill-based Food chain in the Southern Ocean with emphasis on Embryogenesis of Antarctic krill" *by* Robert Y. George

Anonymous Referee #2

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This manuscript summarises published studies on ocean acidification impacts on Antarctic krill, and together with the author's previous own work and information from other research in the West Antarctic Peninsula area, this manuscript calls makes statements of areas where future efforts need to be put in.

Unfortunately there is no new data in this manuscript to consist a research article or enough material to consist a standalone review.

The point made by the author regarding the needs for understanding of combined ef-

fects of multiple stressors have generally been reviewed in various articles, and Flores et al. (2012) review is a comprehensive on this point specific for Antarctic krill.

The effects of pressure is the only concept that was not covered in Flores et al paper. However, my impression is that effects of temperature is more important over pressure (I could be wrong though), yet its synergistic effects on krill are still not fully investigated.

I see this manuscript as an opinion paper by the author rather than an article or a review paper. Therefore if this manuscript is to be published, my suggestion is to considerably shorten (down to a few pages) and target the manuscript for it to be written as "Ideas and perspectives". This is one of the manuscript categories in Biogeosciences to report "new ideas and novel aspects of scientific investigations" within the journal scope. However, of course, the final call is up to the journal editor.

If the author choose to go along that line the author should only concentrate on the justifications based on the past research and its gaps to draw the 3 conclusions.

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