

## ***Interactive comment on “Mesocosm CO<sub>2</sub> perturbation studies: from organism to community level” by U. Riebesell et al.***

### **Anonymous Referee #2**

Received and published: 2 April 2008

This paper is a very solid review of the use of mesocosm experiments for understanding impacts of acidification on pelagic ecosystems at the assemblage and ecosystem process level. It gives a fair evaluation of both the benefits and the problems associated with these types of experiments. I would be happy to see the manuscript published as is. My only suggestion would be for the authors to expand slightly on their discussions concerning the possibility of larger, open (i.e. not in a bag) manipulations. It has been suggested that it could be possible to acidify an appropriately sized area with restricted exchange with other water masses e.g. a small bay or fjord or eddy. How do the authors feel about this approach?

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Interactive comment on Biogeosciences Discuss., 5, 641, 2008.

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Discussion Paper

