

Interactive comment on “Saturated CO₂ inhibits microbial processes in CO₂-vented deep-sea sediments” by D. de Beer et al.

Anonymous Referee #1

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General comments:

The paper is clearly written and contains all necessary background knowledge. The presented data required a technically very demanding operation with sophisticated equipment, and very few groups worldwide would be able to do similar analyses. The presented data on the inhibitory action of undissociated H₂CO₃ associated with liquid CO₂ at great depths is relevant to science in general but has also great interest in the more applied sector as the seabed has been suggested as a storage environment for liquid CO₂.

Specific comments (technical):

The paper is very well written but there are a few places where I feel that a little rewriting

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could help. In the introduction it is written that "Microbial kinetics can be repressed", and I do not feel that this is a valid way of expressing that microbial metabolism can be inhibited. In the figures "PC" and "MUC" should be defined as should "reference data".

Interactive comment on Biogeosciences Discuss., 10, 1899, 2013.

BGD

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