

Interactive comment on “Calculating the global contribution of coralline algae to carbon burial” by L. H. van der Heijden and N. A. Kamenos

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Anonymous Referee #1

We would like to thank the reviewer for their constructive comments which will significantly improve the manuscript and we will be including them in the edited version.

Referee comment This paper estimates the global contribution of coralline algae and highlights the potentially important ecosystem function of coralline algae to store carbon and the need for further empirical work to be undertaken to quantify this.

General comments The paper makes it clear that calculations are estimates as data are lacking and I believe that the criteria used to make the calculations are reasonable, justifiable and based on the relevant available literature. I'm afraid, due to the nature of

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the paper there is not much that I can add to this review.

Specific comments N/A

Technical corrections P7847, L16: Please clarify what 2 % refers to. We will clarify this to “(cover < 2% of ocean surface)” in the revised paper.

P7850, L10: Delete dash (-): Dash will be deleted in the revised paper.

P7852, L15: Change “smaller” for “shallower”: “Smaller” will be changed to “shallower” in the revised paper.

P7852, L16: insert (,) after coastal zone: Comma will be inserted as suggested.

P7852, L16: delete “of”: “Of” will be deleted in the revised paper.

P7854, L10: Delete dash (-): Dash (in L11) will be deleted in the revised paper.

P7856, L7: change “world’s ocean” to “the world’s oceans”: Wording will be changed to “the world’s ocean” in the revised paper.

Interactive comment on Biogeosciences Discuss., 12, 7845, 2015.

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