

Interactive comment on “Data compilation on the biological response to ocean acidification: an update” by Y. Yang et al.

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Overall quality of the discussion paper

This is an important data compilation. The authors clearly explain the interest in this data compilation and provide convincing evidence that the first version has been used in the past and that an updated publication is well justified. The data compilation has grown from 81 data sets to 581 data sets since it was first described by Nisumaa et al. (2010).

The general methods of the data compilation were previously described in a first publication (Nisumaa et al. 2010), and additional methods are clearly explained in the Data Section.

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Generally, however, I was surprised that data set doi:10.1594/PANGAEA.149999 includes only a reference list of source papers and their related data sets archived at PANGAEA. I would expect this data set to include contextual data that help navigate through the data collection (581 individual data sets) and facilitate data re-use. I provide here several specific comments (see attached pdf supplement) to improve this shortcoming. Improvements of the data set merit additional discussion in the Data Section.

The supplement is useful and deserves a citation of its own.

Technical corrections will be provided in a separate comment.

Best regards

Stéphane Pesant

Please also note the supplement to this comment:

<http://www.earth-syst-sci-data-discuss.net/8/C388/2015/essdd-8-C388-2015-supplement.pdf>

Interactive comment on Earth Syst. Sci. Data Discuss., 8, 889, 2015.

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