

# ***Interactive comment on “Fossil invertebrates records in cave sediments and paleoenvironmental assessments: a study of four cave sites from Romanian Carpathians” by O. T. Moldovan et al.***

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Dear Reviewer #2, Thank you very much for your comments and suggestions. We have accepted most of the edits and suggestions and have incorporated them into a revised version of the manuscript, in blue.

In this paper we analyze how fossil invertebrates could be used for paleoenvironmental assessments while understanding that chronology is crucial for such studies. Therefore, we admit that the paper may be slightly biased towards the “geo” part. Describing

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the fauna in too greater detail would have led to a much longer paper with arguable relevance for the paleoenvironmental reconstruction – which is our final goal. Nevertheless, we added a new figure with fauna specimens and also a new table with all taxa found and corresponding environmental conditions. We felt that we shall mention that new species were discovered since this emphasizes the potential of cave sediments as archives of fossil invertebrates. Environmental conclusions can be drawn at genus level. However, the description is under work and will hopefully be published soon. We have re-written the paragraph concerning the “continuous deposition” along the profiles and hope that now it is clearer. We totally agree that deposition in caves is intermittent at various timescales but we have chosen sections that do not show hiatuses or discontinuities hence are representative for at least a limited timescale corresponding to their accumulation.

Thanks again for your efforts. They made us think twice and hopefully improved our report.

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/12/C5218/2015/bgd-12-C5218-2015-supplement.pdf>

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Interactive comment on Biogeosciences Discuss., 12, 8849, 2015.

**BGD**

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