

Interactive  
Comment

## ***Interactive comment on “Authigenic phases and biomass contents drive Zr, Hf and REE distributions in anoxic lake sediments” by P. Censi et al.***

### **Anonymous Referee #2**

Received and published: 18 September 2013

The study of the fractionation and interplay between trace and rare earth elements with authigenic and biogenic phases as well as detritic components in such exciting environments like seafloor brines from deep-sea Mediterranean basins is very worth reading. Thereby, to receive this paper for revision was very interesting because I found the subject quite promising, although you cannot get the subject from just the title because it doesn't mention that the "lakes" are in reality deep-sea hypersaline basins of the Mediterranean. So, my first recommendation to the authors is to change the title and to include these terms.

I really encourage the authors to improve this manuscript since the research is quite new and interesting for the scientific community, but firstly, some issues have to be

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addressed and changed. See document attached for review comments.

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/10/C5138/2013/bgd-10-C5138-2013-supplement.pdf>

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Interactive comment on Biogeosciences Discuss., 10, 8977, 2013.

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