

## Response to Editor

# The 4.2 ka BP event in the Levant

Dear Editor,

We have taken into account all of the remarks and comments made by Harvey Weiss, Darrell Kaufman & Nick McKay, the reviewers, and the Editorial Board. A detailed rebuttal to each comment has already been published online. The modifications to the manuscript are highlighted in yellow. We wish to thank Harvey Weiss, Darrell Kaufman & Nick McKay, the anonymous referees, and the Editor, G. Zanchetta, for their constructive remarks and recommendations, which have helped to improve the manuscript. We hope that this revised version will be of interest to *Climate of the Past*.

### Last comment made by the Editor

**Comment 1.** *Kaniewski et al.’ reply on the comments is quite exhaustive and convincing. I ask to check an additional point not considered by the refs, which is important in the 4.2 debate in the Mediterranean. Pag. 9, Lines 278-281 of the old version of the manuscript discuss the tripartite character of the event according to Magny et al. 2009. This idea started from analyses of lake level at Accesa (Magny et al., 2007 QSR). Despite the Magny’s paper in 2009 was a really great contribution for that time, recent revision of this records using tephra layers (see for Instance Zanchetta et al., 2018 QI <https://doi.org/10.1016/j.quaint.2018.06.012>, or Zanchetta et al., 2015 AMQ) shows the inconsistency of the chronology, suggesting that the event is probably a period of long and lower lake level before that indicated by Michel. Few sentence on this are necessary to avoid to perpetrate a mistake.*

**Answer:** As suggested, we have modified the text and deleted the curve from Figure 2. We have also added the reference to Zanchetta et al. 2018.

**Comment 2.** *I leave the possibility of a very final decision after checking the final version, but I’m pretty sure of the good quality of the final “product”.*

**Answer:** We hope that this revised version will be of interest to *Climate of the Past*.