

***Interactive comment on “Implications from  
palaeoseismological investigations at the  
Markgrafneusiedl Fault (Vienna Basin, Austria) for  
seismic hazard assessment” by  
Esther Hintersberger et al.***

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First of all, thanks for the review and the interesting questions that have been mentioned within the review. They definitively will inspire further studies and publications.

However, at the moment, trying to answer most of them would be mostly speculation, because the MF is only the second fault in the Vienna Basin that has been investigated with paleoseismological methods. The other studied fault is a much smaller fault on the western margin of the Gaenserndorf terrace, where there was no clear exposure

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of the fault within the trench (Weissl et al., 2017). Even though there is information about the long-term Quaternary displacement along most of the faults from boreholes (Decker et al., 2005), detailed information about paleoseismic events along the faults is not (yet) available. Paleoseismological investigations at the VBTF are, at the moment, not finished. Therefore, more work must be carried out before we can address these questions. Hence, we think addressing those questions is beyond the scope of this paper and the data presented here.

Please find the complete answer addressing all major points raised by the reviewer in the attached supplementary file.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-126/nhess-2017-126-AC3-supplement.pdf>

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