Interactive comment on “Ventilation of the Mediterranean Sea constrained by multiple transient tracer measurements” by T. Stöven and T. Tanhua

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Dear Mr. Hochwimmer, we thank you for your comment on the manuscript. Processes between the sediment to sea-water boundary are also a conduit for gas exchange, to some extent at least. The terrigenic share of 3He, which is released by the sea-floor, significantly influences the helium-tritium-age. However, we introduced the method of helium-tritium-age in the manuscript, but we did not use it for our TTD calculations. The terrestrial input of 3He is discussed in more detail in the companion paper by Roether et al., (2013) in this special issue.

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