

## ***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  $^3\text{He}$ , 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  $^3\text{He}$  is discussed in more detail in the companion paper by Roether et al., (2013) in this special issue.

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