

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC3  
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## Comment on nhess-2021-126

Anonymous Referee #3

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Referee comment on "Occurrence of pressure-forced meteotsunami events in the eastern Yellow Sea during 2010–2019" by Myung-Seok Kim et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-126-RC3>, 2021

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The manuscripts documents a climatology of meteotsunami events, by a systematic examination of sea level and air pressure data in a 10-years period. I found the presented material interesting, worth of publication, yet - as Reviewer #2 commented - the level of language is really not at satisfactorily level, which does not apply only to pure syntax and grammar, but also on sentence constructions and some terminology. So, the language should be improved before eventual acceptance.

I will not repeat comments of other reviewers, in particular of these being the result of language problems, but to add the following:

- "monitoring guidelines" should be omitted for the title, as this is not examined but only discussed in the manuscript.

- Line 13. "Spatially frequent" cannot be used to describe something happening at a single tide gauge, please rephrase.

- Line 126 and more. "meteotsunami event of accident" - it should be better to say "destructive meteotsunami events" or else. Even more, for classification of meteotsunami events you may use the newly proposed classification of meteotsunami intensities by Vilibic et al. (NH, 2021, <https://doi.org/10.1007/s11069-021-04679-9>).

- Lines 248-250. Several problems in this sentence, including "yellow sea" with small letters ... Change to something like "... is expected to be a beacon tide gauge.", and omit "under any pressure disturbances" (as not necessary). What is "first meteotsunami"? (again clumsiness in language)

- Lines 278-280. That is for sure, and even quantified for the Adriatic - see Fig. 7 in Denamiel et al. (2020, JPO, <https://doi.org/10.1175/JPO-D-19-0147.1>) .

- Line 325-326. Why? As it is known that it is not key factor in some other parts of the world (see previous comment)?

- Lines 334-347. Is it necessary to provide the explicit formula for computation of air pressure disturbance and speed.

- Lines 363-367. Can you discuss eventual connection between synoptic patterns and meteotsunami occurrence also in Yellow Sea? I.e. by examining climate of synoptic patterns above Yellow Sea or Korean Peninsula (as published in literature) or similar?