



Interactive  
Comment

## ***Interactive comment on “Large-scale numerical modeling of hydro-acoustic waves generated by tsunamigenic earthquakes” by C. Cecioni et al.***

**C. Cecioni et al.**

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The authors thank the Referee for her/his suggestions. The authors have added short discussions on the two subjects raised by the Referee. In the Discussion and conclusions and in the Introduction the following two sentences have been added respectively as response to comment 1 and 2:

1) “It is worth to mention that landslides are the second major cause of tsunami generation. The present model is in principle able to reproduce a submarine motion of rigid landslide. However, due to the occurrence of landslides mainly near the shore, and since during its motion the landslide would generated pressure waves at different water depths, further studies need to be addressed on this topic.”

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2) “Therefore the detection and the complete modeling of hydro-acoustic waves (speed around 1500 m/s), together with measurements of seismic waves (speed around 5000 m/s), could in principle dramatically improve the effectiveness of tsunami early warning systems (TEWS).”

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 4629, 2014.

**NHESSD**

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