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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Brief Communication: Freaque wave occurrences in 2013" *by* P. C. Liu

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This article collected the freaque wave cases that occurred globally in 2013 from Internet. It concluded the freaque waves occurred in deep ocean occupied only 18% and suggested more researches or measurements in nearshore or coastal ocean areas. This article has referent value for proposing future researches.

We define a freaque wave as the wave attacks person or vessel without any notices. I am wondering whether the cases occurred on sandy beach should be seemed as freaque waves? For example, the case occurred in Mexico on March 17. The woman walked on the beach should find the wave's coming. In addition, the wave had broken before it sucked her. If we account such wave as a freaque wave, it means we agree with the breaking wave can be known as a freaque wave.

I believe the real freaque wave cases occurred in the world ocean in 2013 were much more than the number reported in the article, because many of them were not reported or reported only with local language which cannot be found in the English Internet. For example, we collected 20 accidents that induced by freaque waves in Taiwan in 2013. They included shipwrecks in the sea and people swept into the sea from the coastal areas. It is 10 times more than the number reported in the article. Most of them were local events and not reported internationally.

Some numbers reported in abstract are not consistent with them in Section 4 Discussion and in Table 1. For example, the deep ocean occurrences of freaque waves should be 18% but reported 13% in the abstract, and 87% in the abstract should be revised to 82%. In the abstract, the correct numbers of the freaque waves occurrences should be 4 in the deep ocean, 5 in nearshore areas, 8 on sandy beaches, and 5 on rocky shore areas, according to the list in Table 1. There are still similar typing errors in Section 1, please check.

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