

## ***Interactive comment on “Extreme wave events in Ireland: 2012–2016” by Laura O’Brien et al.***

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The purpose of the paper is clear, to provide a survey of extreme wave events in Ireland - in the form of a catalogue - extending the existing catalogue by O’Brien (2013).

The documentation is important and unique.

Some comments:

On p. 2, section 2.2.1, Tsunamis, it is now documented that large ships moving over depth changes are a new source of appreciable tsunamis (mini-tsunamis) contributing to a new danger and a new source of erosion in coastal waters, as documented in J. Grue. Ship generated mini-tsunamis, J. Fluid Mech. Vol. 816, pp. 142-166. This should be referred to in section 2.2.1.

Other comments to the text: The texts in the figures are sometimes difficult to read

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(the text is very small). In some figures the scales / axes are not given, so they are in fact useless. An example is figure 13 on p- 29. Figure 11 is very small. Figure 6 is interesting but is useless without the vertical axis (the zero-level can be estimated).

Another point: It would increase the value of the data to provided both the wave height and the crest height, where the latter is a useful parameter in judging the local wave slope (when the period is known). E.g. section 3.1.13.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-206>, 2017.