

**Response to the editor:**

Dear Piero,

Thanks a lot for evaluating the revisions of the paper and for recommending our article for publication.

To explain on the minor clarification on the terminology, we call storm surge and waves second order hazards because they are generated by and a consequence of the wind, which we thereby call the first order hazard.

To make this clearer in the manuscript, we have added this both to the abstract as the introduction:

*L20 "Based on estimated wind fields, second-order hazards (i.e. storm surge and waves) are computed that are generated by the first-order hazard of wind."*

*L56 "Subsequently, these STC can then be modelled using hydrodynamic and wave models to generate better estimates of second-order hazards like storm surge and wave heights that are generated by the first-order hazard of wind."*

Additionally, we have added a link to Zenodo where a dataset of our results can be downloaded by readers, with proper reference there to the NHESS article DOI.

Thank you for considering our submission,

Tim