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## ***Interactive comment on* “Best index related to the shoreline dynamics during a storm: the case of Jesolo beach” by R. Archetti et al.**

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The authors thank Anonymous Referee 1 for his valuable comments and suggestions, we went forward all the discussion points and we have improved the aspects considered in the discussion; you’ll see all the changes in the reviewed version of the paper. The review of the paper is in progress, waiting for the remaining referee comments. Concerning Comments 1 and 3, we agree with the Reviewer on the importance of a deeper insight on the fitting techniques and on the quality of the fit obtained for Equation 5. Furthermore, it seems worth exploring and discussing the differences in the calibration of Eq. 5 in the presence and in absence of the artificial dunes. Therefore, we are presently extending the analysis and this part, which will be expanded in the revised version. In response to Comment 2, we look forward to include the initial posi-

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tion of the shoreline in a dedicated new column in Tab. 1, and extend the analysis also taking into account for this quantity. Figures (Comments 4, 5, 6, 9, 15, 16) will undergo a general revision, certainly benefiting from the Reviewers' observations. In response to Comments 7, 8, 10, 11 and 12, where the paper is not clear, or syntax not correct, the paper will be rephrased, taking into account the valuable improvement suggested. Concerning comments 13 and 14 the analysis will be extended and more indicators will be added.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 7089, 2015.

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