

## ***Interactive comment on “Coastline evolution based on statistical analysis and modelling” by Elvira Armenio et al.***

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We would like to thank you for the positive comments on our paper and for your useful suggestions, opening a fruitful discussion phase. Following your hints, we have added a brief part in the paragraph “Statistical analysis results and discussion” (P9, L5-6), to better explain the slight accretion which occurs in the investigated areas. As suggested, referring to the paper “Medium-term dynamics of a middle Adriatic barred beach” (Postacchini, M. et al., 2017), we have reported a comparison with the shoreline evolution occurred of the beach of Senigallia in the central Adriatic Sea.

We have also modified figures 4, 7 and 9, by increasing the different lines width to improve the readability of the shoreline change over time. Different line styles were not

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applicable because of lines overlapping (making even more confusing the plot).

Finally, we have inserted a comment on the correlation between southern and northern portions of each cell (P15 and fig.12), specifying that it refers only to the 1992-2013 curve.

References have been checked, thanks.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2018-239/nhess-2018-239-AC1-supplement.pdf>

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