

Interactive comment on “The concept of credible duration for the Regional Frequency Analysis including historical data: application of the FAB method to a skew storm surge database” by Roberto Frau et al.

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Received and published: 18 December 2017

Dear Referee #1, We would like to thank for your interesting review. We are glad to see that you think that this study is a relevant approach to reduce uncertainty associated with the estimation of return periods. When we deal with coastal hazards, we cannot neglect any extreme data available. Historical data may store very important information. This methodology enables to use historical data with gauged data in order to define events of different severity for coastal management purposes. In addition, thank you to have described our manuscript as clearly structured. Overall, we took

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into account your suggestions to improve the quality and to improve even more the clarity and the form of our study. Please find attached our point to point answer to your comments followed by the revised version of the paper.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-385/nhess-2017-385-AC1-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-385>, 2017.

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