Natural Hazards and Earth System Sciences Discussions

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC1
https://doi.org/10.5194/nhess-2021-314-RC1, 2021
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Comment on nhess-2021-314

Anonymous Referee #1

Referee comment on "Characteristics of joint heavy precipitation and high sea level events on the Finnish coast in 1961-2020" by Mika Rantanen et al., Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2021-314-RC1, 2021

Although the results are promising, higher effort can be done to enrich the paper; the analysis is quite simple, and more information can be obtained from the data the authors show. Regarding methodology, information is missing, and overall, the it needs further explanation and can be greatly improved. Also, I'm not sure if the correlation between compounding effect in precipitation and sea level can be associated with climate patterns; can be an arbitrary association resulting from the low number of compound events found (something to discuss with the authors). Another aspect is the organization of the paper; the introduction and conclusions are mixed up. Finally, I have found that the grammar and language must be revised and notably improved before publishing. Therefore, I think the manuscript is not ready for publication; major revision.

Please also note the supplement to this comment:
https://nhess.copernicus.org/preprints/nhess-2021-314/nhess-2021-314-RC1-supplement.pdf