

Interactive comment on “Flood Risk in a Range of Spatial Perspectives – from Global to Local” by Zbigniew W. Kundzewicz et al.

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Authors' response to Interactive comment on “Flood Risk in a Range of Spatial Perspectives – from Global to Local” by Z. W. Kundzewicz et al.

Anonymous Referee #1 Received and published: 16 February 2019

This paper discussed a very important topic, the flood risk at global and regional scales. I appreciate the authors' effort to tackle this issue. But it requires a decent amount of work to solidify some statements.

Thanks for encouraging words. We tried to solidify questioned statements.

I suggest the authors extend and solidify the literature review in this paper. For ex-

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ample, the authors believe that the frequency of flood does not have obvious changes during the past. However, based on previous research, at least in the US, the low-frequency floods do have a significant change, while the high-frequency floods do not have a significant change.

We did our best to extend the literature review, even if there are thousands of source items that could be referred to, so that we had to be selective. Indeed, we introduced additional US references (Links and Slack, 1999, 2005; as well as Shaw & Riha, 2011) that solidify the review and demonstrate the subtleties of findings, demonstrating the lack of a one-size-fits-all result.

The characteristics of floods include are magnitude, frequency and timing. So I also suggest the authors extend a paragraph to discuss the influence of the change of floods' timing, instead of just one sentence in the current version. We devoted more room to the timing issues, referring to results by Blöschl et al. (2017) as well as Hodgkins et al. (2017). Please change the format of latitude and longitude. We changed the format by using superscripts.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2018-336/nhess-2018-336-AC1-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-336>, 2018.

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