

Interactive comment on “Mapping the adaptation solution space – lessons from Jakarta for other coastal cities” by Mia Wannewitz and Matthias Garschagen

Anonymous Referee #1

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General comments

The manuscript addresses a relevant scientific topic within the scope of NHES. Scoping literature on the nexus of flood and Jakarta is relevant and provides a new contribution to the literature. I particularly like that the empirical analysis is embedded into a concise theoretical debate on adaptation solution spaces. The title and the abstract clearly highlight the content of the manuscript. The manuscript is well written and easy to understand. The authors provide a concise presentation of the data by appropriate graphics and summaries of the main results. The conclusion is also plausible. The appendix delivers a transparent overview of the empirical material. Besides some minor

C1

suggestions for clarifications, my only main concern is the selection of the keywords for the literature scoping. Therefore, I recommend a minor revision to address small suggestions before getting published in the journal.

I encourage the authors to address the following recommendations:

Specific comments

Abstract: Line 14 states that literature related to “retreat from exposed areas” are barely existing. I am wondering whether you considered literature on the contested relocation policy of the Jakarta policy. Lines 20-21: I suggest to emphasize that Jakarta is not only heavily researched but also one of the most vulnerable megacities worldwide. I think this can strengthen the justification of taking Jakarta as an example. Introduction: Line 25: The title only mentions coastal cities. Why do you speak here about “coastal and delta cities”? Line 37: You state that problem of flooding and its driver are well researched. However, there is only one reference. I suggest adding more references to underpin your argument. Line 69-71: Please add a brief overview of your methodological approach.

Methods and data Line 87: I am wondering why you only used the keywords “flood” and “Jakarta”. As your focus is on adaptation and coastal hazards, I assume that you turned a blind eye to papers related to “adaptation” and “coastal hazards”. Line 89: I suggest to discuss the limitation of your research that particularly papers in Indonesian have not been included in the analysis. There seems to be a considerable amount of literature in Indonesian language as many Indonesian research do not publish in English. Line 89: Please explain in more detail how you derived these thematic categories and not other categories. Figure 2: Please delete the title within the graphic. The subtitle also mentions the title (the same applies to all other figures). Please add the legend of the Y-Axis “Number of publications”

Appendix: Line 562: I suggest to delete the French reference as you mentioned that only English literature had been included in the analysis.

C2

Technical corrections: Line 146: run-off Line 403: Please explain Jabodetabek for readers you are not aware of the abbreviation of Jakarta's metropolitan area.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2020-370>, 2020.