

Review of: "The Consequences of Political and Economic Choices: Exploring Disaster Vulnerability with the Structure, Resource, and Behaviour Change model (SRAB)"

Mingzhao Hu¹

¹ University of California, Santa Barbara

Potential competing interests: No potential competing interests to declare.

I have carefully reviewed your submission and have several concerns that need to be addressed before the manuscript can be considered for publication. While the manuscript makes an important contribution to the literature on disaster vulnerability, I recommend a major revision addressing the following points:

The manuscript draws heavily from a previous PhD thesis, but it is unclear if the findings presented in this manuscript have already been published. Please clarify whether this manuscript presents new findings or if the results have already been published. Additionally, the only reference for 2021 is one made to "Understanding disaster vulnerability in the Vietnamese Mekong Delta", and it would be helpful if the authors could provide more details about this reference.

The manuscript's originality should be better explained and emphasized in the paper. While the manuscript discusses the current vulnerability to disasters in the Vietnamese Mekong Delta, the authors should provide more context and explanation for why this vulnerability is unique and important to study, and why the methods proposed in the present study as well as its findings are of interest to the journal's audience. Additionally, the manuscript should highlight the original contributions of the study and how it extends the existing literature. It feels like the scope is too broad and the research question is not clear.

The authors should consider incorporating more rigorous quantitative methods in the study design and analysis. The interviews that lay the foundation for this research may benefit from adopting statistical survey methodology. The authors should refer to suitable references and books in this field and incorporate relevant modifications and discussions. This would help strengthen the study's methodology and increase the robustness of the results.

I strongly recommend the authors to consider incorporating more quantitative data analysis. While the manuscript provides a rich qualitative analysis, incorporating more sufficient quantitative analysis would help validate the findings and improve the study's rigor. The authors should consider providing a more quantitative model for the risks discussed in this manuscript, similar to the research in Sui, X., Hu, M., Wang, H. et al. Additionally, adopting a machine learning model to help with the analysis, such as in Sui X, Hu M, Wang H, Zhao L, would be useful to improve the study's analytical framework.

Overall, I believe that the manuscript has the potential to make an important contribution to the literature, and I look

forward to seeing a revised version of the manuscript.