

Interactive comment on “Mapping Individual Earthquake Preparedness in China” by Guochun Wu et al.

Guochun Wu et al.

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Nat. Hazards Earth Syst. Sci. Mapping Individual Earthquake Preparedness in China
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Authors' Responses to the Reviewers' Comments

We thank the anonymous reviewer for your constructive feedback. We have addressed all your concerns, incorporated your suggestions, and below is a detailed memo documenting the changes we made to the manuscript. Please note that we only answered the negative comments/concerns in this memo. The changes in the manuscript are highlighted in yellow.

Comment 1: This paper explored the individual earthquake preparedness behavior in

China using a national sample. It will add valuable knowledge to current understanding of earthquake mitigation and preparedness. The research methods and results are appropriate, and well presented. However, I do have several concerns and suggestions to make this paper better. I suggest to accept this paper with minor revision. If the authors can address my concerns appropriately, I hope no need to review it again. 1. Few type errors, like page 2, line 20, the citation is in Chinese.

Authors' Response: Thanks very much for this correction, we have changed the citation information into English.

Comment 2: The introduction section, especially the paragraphs in page 3 and page 4, can be written more concisely.

Authors' Response: Thanks very much for this constructive suggestion. We have re-written some of the sentences, and deleted the unnecessary words to make these two paragraphs more concisely.

Comment 3: The authors should clearly state their research questions or hypothesis in the end of the introduction section.

Authors' Response: Thanks for the reviewer's kindness comment. We have re-written the last paragraph of the Introduction section by clearly stating our research questions as follows: "By analyzing this national representative sample, we characterized the individual's earthquake preparedness in China. In detail, the central questions of concern are: (1) will residents in the west of China (proximity to earthquake) have higher degrees of preparedness in general? (2) Would people with higher risk perceptions to an earthquake (e.g., the concern of disaster risk reduction and the concern of building safety) have a higher degree to preparedness; and (3) is participation in public affairs associated with higher degrees of earthquake preparedness? Besides the national representativeness of the data, we novelly explored the correlation between public involvement and the adoptions of disaster preparedness activities in China.

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Comment 4: The discussion section could be more interactive. How this study could enhance the earthquake mitigation and preparedness practice in China and worldwide should be discussed with several sentences in the discussion section.

Authors' Response: Thanks for the reviewer's constructive comment. We have added one sentence in the last paragraph of the discussion section: "The findings of this paper also provide valuable implications for disaster risk reduction practice: people with higher degrees of participation in public affairs would also like to invest more in disaster preparedness. The involvement in disaster risk reduction activities cannot be separated from the involvement in other public issues."

Comment 5: 5. When the authors discussed the limitations, I think there are more things can do on this topic in future since there are not many studies on this topic from China yet. Thus, I would like to see one or two more discussions on the research limitations, and potential future research directions.

Authors' Response: Thanks for the constructive suggestion. We have added one more limitation: "Third, the preparedness at organizational and community level should be investigated as well."

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