

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC2
<https://doi.org/10.5194/nhess-2021-368-AC2>, 2022
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Reply on RC2

Qian Yao et al.

Author comment on "The Emergency Accessibility Analysis based on Traffic Big Data and Flood Scenario Simulation in the context of Shanghai Hotel industry" by Qian Yao et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-368-AC2>, 2022

Thank you for your support and your comments were very helpful in improving the article. However, due to the first reviewer's comments, we decided to withdraw the manuscript and make major changes.

In the revision, we will focus on explaining the reasons why emergency response time is important to the hospitality industry. More clearly identify what the research in this paper is about. To explain clearly the types, causes, and characteristics of the chosen flood events.

We would add the following information: sources of flood maps; criteria for the impact of flooding on accessibility; and discuss in conclusion the interaction between flood events and traffic congestion and incorporate this interaction into the accessibility measurement model where possible.

Thank you for your other comments on this article; we will reflect on whether Hurricane Katrina and the Thai tsunami as examples support our views; the unit of revenue generation over \$23 million we got wrong, it should be revenue generation over \$230 billion; re-structuring the article; testing the statistical significance of the findings; thinking about the plausibility of emergency response.

Although this article cannot be published in the HNESS journal, your suggestions are of great significance in enhancing this article and I thank you again.