

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC1
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Reply on RC1

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-AC1>, 2022

Thank you for your suggestion and we decided to withdraw the manuscript and make major changes.

A core issue with the approach is that the post-event estimation of travel distances and durations for rescue services to reach hotels does not take into consideration the post-event traffic conditions in the city. However, this study relies only on real-time traffic and calculations to avoid routes that are assumed to be blocked by flooding to measure accessibility, which is not a reliable method. This is because the overall traffic conditions under flooding conditions - which naturally affect the arrival time of rescue services - are not captured.

To address this issue, we will redesign the methodology, select a more general population, and try to collect real-life emergency response times in Shanghai when faced with flooding.

As for your comment about English proficiency, we will check the English language first when submitting papers in the future to improve the quality of the text. Although this article cannot be published in the HNESS journal, your suggestion is of great importance to the improvement of this paper, and I thank you again.