

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2
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Comment on nhess-2022-239

Anonymous Referee #2

Referee comment on "Low-regret Climate Change Adaptation in Coastal Megacities – Evaluating Large-Scale Flood Protection and Small-Scale Rainwater Detention Measures for Ho Chi Minh City, Vietnam" by Leon Scheiber et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-239-RC2>, 2022

This study presents an interesting topic on low-regret climate change adaptation for flood hazard in Ho Chi Minh City of Vietnam. The study has compared the effectiveness of three techniques in flood adaptation strategies including: (1) a large-scale protection project using a ring dike; (2) a small-scale rainwater detention scheme; and (3) a combined application of both strategies.

The authors should consider the following specific points:

- Please include a flowchart of data processing in the manuscript for better understanding of the framework of this study.

- How the Normalized Flood Severity Index (NFSI) was generated from the input parameters?

- Line 162: Using reported data in 2010 for validation of the model is out of date. Please use the most recent field data for evaluation.

- Figure 2: all of the legends in this figure should be more clearly presented.