

## ***Interactive comment on “Interacting effects of land-use change, natural hazards and climate change on rice agriculture in Vietnam” by Kai Wan Yuen et al.***

### **Anonymous Referee #2**

Received and published: 9 October 2020

Overall, this is a very well written paper, with only a few usage errors (missing some hyphens). This type of analysis is relevant for understanding rapid changes in the important delta regions producing significant proportions of food globally. This systems-level analysis is interesting and provides a structured way to understand the complex implications of climate change and human-cause land use changes on rice production in the Mekong River Delta and the Red River Delta.

However, given that both climate change- and human-induced changes are the objective of the study, there are some glaring omissions. The authors should consider how urban and exurban expansion, especially in the RRD, are decreasing rice yields.

C1

As well as the shifting local and international markets for more diverse agricultural products (orchards, aquaculture) are changing rice distributions, and thus where the climate and human-cause impacts will persist. These are important land use changes that have downstream, so to speak, causations, particularly on available land for rice yields. The authors should seriously consider justifying why these variables were not included and also add to the discussion how they could be included, if the decision is to not include them in a revised version of the analysis.

---

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2020-196>, 2020.

C2