Natural Hazards and Earth System Sciences Discussions

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Reply on RC1

Mihai Ciprian Mărgărint et al.

Author comment on "Risk perception of local stakeholders on natural hazards: implications for theory and practice" by Mihai Ciprian Mărgărint et al., Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2021-37-AC1, 2021

Author's responses to referees

Referee #1

Dear authors,
your paper - Risk perception of local stakeholders on natural hazards: implications for theory and practice - presents a great contribution to disaster studies.

Answer: We thank you for your appreciation of this work and for the time and effort to review it.

Only, I would recommend you to make wider discussion related to - Preparedness levels were low, and, not for all, learning and preparatory actions are needed to withstand the negative occurrences of natural hazards - adding some research from a regional perspective. I will suggest some papers - Mano, R., Kirshcenbaum, A., & Rapaport, C. (2019). Earthquake preparedness: A Social Media Fit perspective to accessing and disseminating earthquake information. International Journal of Disaster Risk Management, 1(2), 19-31. https://doi.org/10.18485/ijdrm.2019.1.2.2; Perić, J., & Cvetković, V. (2019). Demographic, socio-economic and phycological perspective of risk perception from disasters caused by floods: case study Belgrade. International Journal of Disaster Risk Management, 1(2), 31-43; Öcal, A. (2019). Natural Disasters in Turkey: Social and Economic Perspective. International Journal of Disaster Risk Management, 1(1), 51-61. https://doi.org/10.18485/ijdrm.2019.1.1.3; Guo, X., & Kapucu, N. (2019). Examining Stakeholder Participation in Social Stability Risk Assessment for Mega Projects using Network Analysis. International Journal of Disaster Risk Management, 1(1), 1-31. Cvetković, V., Nikolić, N., Nenadić, R. U., Ocal, A., & Zečević, M. (2020). Preparedness and Preventive Behaviors for a Pandemic Disaster Caused by COVID-19 in Serbia. International Journal of Environmental Research and Public Health, 17(11), 4124. https://doi.org/10.18485/ijdrm.2019.1.1.1 etc.

Answer: Indeed, the preparedness level is a key issue in risk perception analysis. Certain participants (especially majors and policemen) have highlighted that in the last 10-15 years local communities improved their capacity to cope with the impact of some hazards

through structural measures: e.g. snowstorms by the acquisition of specific equipment, and some hydro-technical works along rivers (for floods). At the same time, with few exceptions (especially for teachers), the need for a "culture of preparedness and prevention" (Ozmen, 2006; Adame, 2018) as a long-term educational, behavioral, and knowledge-based approach has been underestimated.

In the revised paper, we have added the following references that emphasize the role of preparedness measures at the local scale:

Adame, B. J.: The persuasive efficacy of real versus salient hazard scenarios in motivating citizen-level hazard preparedness, International Journal of Disaster Risk Reduction, 31, 292-301, https://doi.org/10.1016/j.ijdrr.2018.05.019, 2018.

Guo, X., Kapucu, N.: Examining Stakeholder Participation in Social Stability Risk Assessment for Mega Projects using Network Analysis, International Journal of Disaster Risk Management, 1(1), 1-31, 2019.

Mano, R., Kirschenbaum A., Rapaport, C.: Earthquake preparedness: A Social Media Fit perspective to accessing and disseminating earthquake information, International Journal of Disaster Risk Management, 1(2), 19-31, 19-31. https://doi.org/10.18485/ijdrm.2019.1.2.2, 2019.

Öcal, A.: Natural Disasters in Turkey: Social and Economic Perspective. International Journal of Disaster Risk Management, 1(1), 51-61. https://doi.org/10.18485/ijdrm.2019.1.1.3, 2019.

Ozmen, F.: The level of preparedness of the schools for disasters from the aspect of the school's principals, Disaster Prevention and Management, 15(3), 383-395, DOI 10.1108/09653560610669873, 2006.

Perić, J. and Cvetković, V.: Demographic, socio-economic and phycological perspective of risk perception from disasters caused by floods: case study Belgrade. International Journal of Disaster Risk Management, 1(2), 31-43, https://doi.org/10.18485/ijdrm.2019.1.2.3, 2019.