Natural Hazards
and Earth System
Sciences

Discussions

Interactive comment on "Assessment of ripple effect and spatial heterogeneity of total losses in the capital of China after a great catastrophe shocks" *by* Zhengtao Zhang et al.

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This paper tries to assess the ripple effect and spatial distribution of total capital loss after a natural disaster event. Such topic is really interesting and important for natural disaster risk analysis. The data of capital loss for some specific sectors or regions are not easily to obtain, but such data are significant for the total economic impact analysis after the disaster. This paper provides a useful method to calculate the direct and indirect capital loss for each sector and also gives different scenarios to analyse the ripple effects of indirect economic loss.

However, there are still some places need to be clarified in this paper.

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1. Page 2, line 7-10 Indirect economic loss has a very clear definition, but what is the direct part? It is better to give the definition of "direct economic loss".

2. In Page 2, line 13-16, it mentions, "The Input-Output (IO) model and Computable General Equilibrium (CGE) model are two representative models which are commonly used to assess indirect economic loss." but in this research, only the Input-Output model is used. Why? It is better to explain why you choose IO model, but not CGE model.