

# ***Interactive comment on* “Global warming causes sinkhole collapse – Case study in Florida, USA” by Yan Meng and Long Jia**

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First of all, we are very grateful to the review experts for their questions and suggestions. We know that the formation of karst collapse is a complex process from the dissolution of limestone to surface pits. We cannot deny that the occurrence of surface pits may be triggered by many factors such as human activities and earthquakes, but the formation of karst collapse In China, especially before the trigger of human activities, what factors are at work should be a problem that we need to seriously study. This is one of the objectives of this paper. Based on the opinions of experts, we have made major changes to the structure and content of the article. 1. Results and discussion sections were added. 2. A preliminary analysis of the relationship between karst collapse and global climate change in the Pearl River Delta region of China was

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conducted. It was found that there is a similar relationship with Florida in the United States, thus providing further evidence for this study. 3. We modified the article map and added some necessary drawings. 4. We revise the ambiguity in the article. 5. The revision section was red in the article and the reference was added. Sincerely, Yan Meng

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2018-18/nhess-2018-18-AC2-supplement.pdf>

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