

Interactive comment on “

Quantifying uncertainty in the impacts of climate change on river discharge in sub-catchments of the River Yangtze and Yellow Basins, China” by H. Xu et al.

Anonymous Referee #1

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Although the study for the impact of climate change on hydrological processes has been paid much attention and great achievements have been obtained during the past years, uncertainty in this study is significant. Authors in this paper made great efforts to quantify the uncertainty in the impacts of climate change on river discharge in the Yangtze and Yellow river basins. The study is some novel. With minor revision, the paper may be accepted for possible publication on HESS. Major problems include:

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1. What is the “uncertainty” in this study? How to define uncertainty? The definition should be given in the context;
2. For any section, authors should describe where the uncertainty is resulted from? How much the uncertainty is? The paper gives one an impression: different models or methods give different result, the difference is the uncertainty. It is true, but more concrete definition and conclusion should be given;
3. For any section, more clear conclusion should be summarized and should be more understandable for readers;
4. Names of the Yangtze River and Yellow River are very common for scientists and public. They should be used other than the River Yangtze and River Yellow, etc.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 6823, 2010.

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