

Interactive comment on “Global-scale drought risk assessment for agricultural systems” by Isabel Meza et al.

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Dear authors,

firstly, please excuse my delay submitting this report. secondly, congratulations to a very well written piece of work. The papers reads very fluent and only leaves space for few questions.

The authors are exploring agricultural drought risk on a global scale, comparing rainfed against irrigated agriculture in the frame of a conceptual model. I highly appreciate this unique attempt, especially the preceding expert survey. My major concern is a lack of validation e.g. with other global agricultural drought risk models and the "lacking" verification of the relevance of selected indicators. More data exists. Also quantitative

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approaches for validation exist. I please you to apply something that is not "visual comparison" (This really lowers the quality of your, apart from that, high quality paper) Please find my more explicit comments in the PDF.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-255/nhess-2019-255-RC2-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-255>, 2019.

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