

Interactive comment on “Coupled hydro-meteorological modelling on HPC platform for high resolution extreme weather impact study” by Dehua Zhu et al.

Anonymous Referee #2

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1. In Abstract, the research background should be reduced. 2. The introduction or references of UM-UKV model should be added. 3. Please describe how to downscale from 1.5 km UKV to HYPE. 4. What’s the aim of Fig 5? There is no related description in the manuscript. 5. Line 343-345, what distinguishes this study from others is it is first time that modellers are able to simulate the entire system, ranging from the global circulation down to a target catchment for impact study. However, the manuscript mainly focused on the performance analysis of three input conditions (rain-gauges, UKV output, and radar rainfall) to hydrological simulation. It is therefore suggested that some contents should be adjusted and the scientific merit or contribution of the paper should be emphasized.

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