

Interactive comment on “Parameter extrapolation to ungauged basins with a hydrological distributed model in a regional framework” by J. J. Vélez et al.

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this calibration technique is state of the art. Never the parameters are individually corrected for each cell. Thus I would reduce its description and the long bullet list. I recommend to describe the sensitive of the correction factors with respect to size of the cells, spatial resolution of the geodata (landuse, pedology, geology etc) and temporal resolution of the climate data. Is their a correlation between the level of physical accuracy of the mathematical methods of the tanks and the correction factors, e.g. you use the saturated hydraulic conductivity of the soil although in general the soil in the upper layers is unsaturated.

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