

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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Received and published: 7 August 2007

I miss detailed discussion of the correction factors found in the validation process. What can we learn from them. I can not see the prove that you can extapolate the parameters to ungauged basins. It seems that the correction factors fluctuate rather random. At least the author should give some criteria to assess the validity of the correction factors for extrapolation. You conclude that by your concept the TETES model can be used to forecast the future behavior. I have not seen the performance of the TETES model to predict the impact of changes in the land use, vegetation cover and the morphology of the river network on the hydrological regime. For this conclusion scenario studies of various historic catchment situations and the status quo are necessary.

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