

Interactive comment on “Climate change over the high-mountain versus plain areas: Effects on the land surface hydrologic budget in the Alpine area and northern Italy” by Claudio Cassardo et al.

Anonymous Referee #1

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Major comments

- The paper lacks any comparison with other papers. What is improvement in using the PRUDENCE output with respect, say, to other global and regional Earth system models? I guess, at least some comparison with the CMIP3/CMIP5 simulations should be included.
- How specific are the UTOPIA simulations with respect to other land surface models? At least, some peculiarities of this model should be discussed in the context of other land surface models.

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- Why the CMIP3 scenarios SRES A2/B2 are used? Now they are superceded by the RCP scenarios family.
- And the most important one: Which new knowledge does the paper deliver to us?

Minor comments

- II. 6 and 7: I guess 'FC' in the abstract is difficult to understand. Please be more specific (e.g. replace it by time interval '2071-2100').
- I. 10: 'Annual or seasonal variations..' What is the difference between them? Probably, authors mean 'interannual' in place of 'annual'?

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