Hydrology and Earth System Sciences Discussions

Interactive comment on "Soft combination of local models in a multi-objective framework" *by* F. Fenicia et al.

F. Fenicia et al.

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The helpful comments of the two reviewers on this paper are greatly acknowledged, and were taken into consideration in the preparation of the final revised manuscript. The final manuscript incorporates the changes that were indicated in the individual replies to the referees.

In particular, as discussed in the reply to reviewer 1, we incorporated a schematic diagram of the HBV model, which is represented in figure 1.

We provide parameter sets for the two local models, which are added in Table 2.

We compare the performance of the different models using a non weighted objective function, which is shown in figure 8 and discussed at the end of paragraph 3.3.

As discussed in the reply to reviewer 2, we refer to the paper from Hsu et al., (2002),

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both in the introduction and in the conclusion.

Section 2 contains a definition of terms that are used in the paper.

We added a Section which describes the future research perspectives (Section 5), which combines our perspectives and some of the suggestions of the reviewers that could not be taken into consideration in this paper, for reason of brevity.

The discussion section has been separated from the conclusion section. Hence, the discussion section focuses on the comment on our work and on how it relates to others, and the conclusions provide a summary of the main results of the paper.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 4, 91, 2007.

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