

Interactive comment on “Small farm dams: impact on river flows and sustainability in a context of climate change” by F. Habets et al.

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The authors would like to thank Andreas Güntner for his comments. The model presented in Güntner et al., 2009 is aiming at taking into account several dams located in cascade in a basin, and one of its original aspects is to take into account several aggregated dams in a subbasin, classified according to their storage capacities. It is a rather complex situation, since the output of a dam is affecting the input of the connected dams. The study of Malveira et al., 2012 is also quite interesting. The ability to make scenarios by modifying the number of dams in each class is very efficient.

In order to refer to these studies, the following text was added in the introduction: *“Among them, Güntner et al., 2004 and Malveira et al., 2012 combined the explicit*

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simulation of numerous small dams (lower than 100 000 m³) with large dams (above 50 000 000 m³) in Northeast Brazil, and noticed the impact of those smaller dams in the water yield of the larger ones.

References

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