

Interactive comment on “A channel transmission losses model for different dryland rivers” by A. C. Costa et al.

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Dear Reviewers and Editor,

We would like to propose some issues to improve our submitted manuscript based on the rich scientific discussion with the anonymous reviewers and two more comments by readers of the present online version.

Besides the some new paragraphs and modifications, which were described in our responses to the Reviewers, we suggest the following modifications of the paper's structure:

1. Inclusion of a new of a sub-section to clarify the required basic information (initial

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conditions, boundary conditions and model parameters) to run the model.

2. Separation of Section 3 into two sections: Case Study Applications and Model Reliability. Because we agree that model reliability should be investigated more in depth.

3. The section Case Studies Applications will explain more clearly what we mean with reliable prediction for water management and planning purposes. In this section we will have two sub-sections: data and parametrization, and model application to selected events.

4. The (new) section Model Reliability will be composed of three sub-sections: numerical issues, individual parameter sensitivity analysis and overall model parameter uncertainty.

5. We will expand the discussion section, referring the various suggestions from the reviewers and the readers.

Kind regards,

Alexandre Cunha Costa et al.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 8903, 2011.

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