Nat. Hazards Earth Syst. Sci. Discuss., 1, C2472–C2473, 2014
www.nat-hazards-earth-syst-sci-discuss.net/1/C2472/2014/

Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Flood design recipes vs. reality: can predictions for ungauged basins be trusted?" *by* A. Efstratiadis et al.

Anonymous Referee #2

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Authors disclose problems arising in everyday engineering practice, when simplified flood design tools for ungauged basins are applied. Basically, they focused on three issues, namely: (a) the misuse of such tools with special attention to rational method; (b) the lack of local validation for certain of the commonly used regional formulas, with reference to the time of concentration, one of the most important parameters in flood modeling with special attention to the well-known formulas of Kirpich, Giandotti, SCS and Passini, and (c) the deficiency of physical consistency concerning the proper representation of the key hydrological processes, with reference to the SCS/SUH approach.

This manuscript is well written, clear and well structured, follows a logical argumentation and restrictions of the results.

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Interactive Discussion

Discussion Paper

I found this manuscript particularly useful, because the flood hydrology of the ungauged basins is a very difficult problem for the hydrologists worldwide.

I am looking forward to receive the revised version of the manuscript.

In my point of view this manuscript is very interesting and I suggest to publish it.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 7387, 2013.