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Discussions

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Interactive comment on "Efficient GIS-based model-driven method for flood risk management and its application in central China" *by* Y. Liu et al.

Anonymous Referee #2

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This paper present an interesting approach for a DSS (Decision support System) for flood management. The subject of the work is worth publishing, and the introduction of the paper well states the issues and the situation this new approach tries to solve. However some major issues are limiting the understanding of the paper. First of all, I suggest the authors to review the English of the manuscript: the paper is highly descriptive and the form it has makes it hard to follow it. A second major issue I see is the lack of descriptions for procedures and algorithms. There are few information about these two points, that makes the procedure hard to understand. The authors claims that the main innovation is the application of model-driven concepts, however throughout the paper it doesn't seem well established what are these model-driven concepts. The authors are presenting an example, which shows that their system

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works successfully for their study case, however no comparison is provided with other available studies to prove the effectiveness of such model if compared to the ones already in use or the ones already available. They provide a full subchapter describing the novelties of their work compared to other systems, however they do not provide a practical example of how this proposed approach is better than the available ones. I overall suggest the authors to shorten the descriptive part of the paper, trying to simplify it by focusing on the novelties of their work and on a more clear description of the procedures, thus providing the readers an easier understanding of their work.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 1535, 2013.