



Interactive  
Comment

## ***Interactive comment on “A spatio-temporel optimization model for the evacuation of the population exposed to natural disasters” by H. Alaeddine et al.***

### **Anonymous Referee #1**

Received and published: 30 January 2015

This paper describes a model for the optimization of the evacuation of households in case of flooding. The model is applied to two different case studies, one protected by dikes, the other not protected. The model takes into account the number and location of exposed households, their risk level as well as the road network and capacity. Although not being an expert in evacuation models this seems to me a valuable and scientifically sound contribution to research on flood risk management. I would therefore recommend accepting this paper for publication in NHESS after some minor revisions. Minor points: – Figures: often legends are missing or are not translated in English. Please provide legends or at least appropriate descriptions of the map

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elements in the figure captions. Please see also my detailed comments on the specific figures in the attached PDF. I am also not a native speaker, but I have the feeling that the paper would benefit a lot from professional proof-reading by a native speaker. Please consider also my other minor comments in the attached PDF.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/3/C13/2015/nhessd-3-C13-2015-supplement.pdf>

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## NHESSD

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