

Interactive comment on “A comparative survey of the impacts of extreme rainfall in two international case studies” by Matthieu Spekkers et al.

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Received and published: 2 June 2017

We would like to thank the editor for reviewing our manuscript. The changes follow the editor's suggestion to extend the regional focus of the literature review including studies from the US and the UK. We hope that the changes have improved the manuscript to a level that is suitable for publication, and we look forward to your response.

P. 2, L. 3-8: “However, recent pluvial flood events to urban dwellings in Europe and elsewhere have demonstrated that the adverse consequences of extreme rainfall must not be neglected. This includes large cities such as the pluvial floods in Copenhagen in July 2011 with EUR 807 million of insured losses (Garne et al., 2013) or Beijing, where a rainstorm in July 2012 caused an estimated total loss of over US \$1.86 billion (Wang

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et al., 2013). But also smaller cities such as the city of Hull, which suffered, among other towns in the UK, from severe pluvial flooding after a series of extreme rainstorms in 2007 (Coulthard and Frostick, 2010).“

P. 3 L. 18-22: “Morss et al. (2016) conducted interviews on people’s risk perception of flash floods by sending a mail survey to 1000 randomly chosen households in Boulder, Colorado and 200 students from the University of Colorado Boulder. Their study showed that respondents who had prepared themselves for flash floods or who perceive a higher likelihood of being killed by a flash flood were also more willing to take protective actions in response to a flash flood warning.”

References:

Coulthard, T. and Frostick, L.: The Hull floods of 2007: implications for the governance and management of urban drainage systems, *Journal of Flood Risk Management*, 3, 223–231, doi:10.1111/j.1753-318X.2010.01072.x, 2010.

Garne, T. W., Ebeltoft, M., Kivilahti, E., and Moberg, S.: Weather related damage in the Nordic countries – from an insurance perspective, Tech. rep., http://www.fki.fi/materiaalipankki/tutkimukset/Dokumentit/Weather_related_damage_in_the_2013.

Morss, R. E., Mulder, K. J., Lazo, J. K., and Demuth, J. L.: How do people perceive, understand, and anticipate responding to flash flood risks and warnings? Results from a public survey in Boulder, Colorado, USA, *Journal of Hydrology*, 541, 649–664, doi:10.1016/j.jhydrol.2015.11.047, 2016.

Wang, K., Wang, L., Wei, Y.-M., and Ye, M.: Beijing storm of July 21, 2012: observations and reflections, *Natural hazards*, 67, 969–974, doi:10.1007/s11069-013-0601-6, 2013.

Please also note the supplement to this comment:

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<http://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-125/nhess-2017-125-AC2-supplement.pdf>

Interactive comment on *Nat. Hazards Earth Syst. Sci. Discuss.*, <https://doi.org/10.5194/nhess-2017-125>, 2017.

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