

Short comments

The authors may wish to refer also to the study by Ernst. et al. (2010) which provides an index-based approach for assessing social vulnerability to floods as well as social impacts of floods. For more details, see my other recent comment: C2517: 'Social vulnerability and appreciation of social impact of floods', Benjamin Dewals, 07 Dec 2015.

Ernst, J., Dewals, B.J., Detrembleur, S., Archambeau, P., Erpicum, S., Piroton, M. (2010). Micro-scale flood risk analysis based on detailed 2D hydraulic modelling and high resolution geographic data. *Natural Hazards*, 55 (2), 181-209.

Hi, Dewals,

*Thanks for your useful suggestions. We have included Ernst et al. (2010) in the Introduction Section. The added texts were marked in red.*

P6727, line 3

Since Cutter developed a social vulnerability index to measure the social vulnerability to environmental hazards (Cutter et al., 2003), there have been growing concerns and interest in this area (Bjarnadottir et al., 2011; Ernst. et al., 2010; Noriega and Ludwig, 2012; Zebardast, 2013; Siagian et al., 2014; Garbutt et al., 2015). For example, Noriega and Ludwig (2012) assessed the social vulnerability of local earthquake risk in Los Angeles County. Ernst. et al. (2010) assessed the social vulnerability and social impacts of floods using an index-based approach. Zebardast (2013) constructed a social vulnerability index to earthquake hazards using a hybrid factor analysis and analytical network process model.