

Interactive comment on “First evaluation of the damage related to alluvial events in torrential catchments of Campania (southern Italy), based on a historical database” by C . Vennari et al.

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Dear Referee#2, we are grateful to your comments that for sure will be useful to improve our paper. As regard the first problem that you pointed out, we consider the term “alluvial event” to describe a flood, that is an event where water is the prevailing medium, with a small percentage of solid material. We agree with you, however, that the term might be misleading, and we will change it. Moreover we want to stress that we focused our attention on “ extreme events in torrential stream catchment” which are a peculiar type of flood events, generally occurring in small, ungauged catchment. Perhaps the best term to indicate these kind of events is “ flash flood” which refers to a flood that follows the causative storm event in a short period of time. The term “flash”

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reflects a rapid response, with water levels in the drainage network reaching a crest within minutes to a few hours after the onset of the rain event, leaving extremely short time for warning (Georgakakos, 1992; Creutin and Borga, 2003; Borga et al., 2007; Collier, 2007, Gaume et al., 2009). Regarding the use of “historical documents”, we collected data from the existing literature, and verify them, as explained in section 4.1 Sources used in data collection. Since talking about “historical documents” could generate confusion, we will improve the explanation of the used sources. In addition figure 1 is not related to the detail in the analysis of historical source, but to the information and to the extension of an event. We thank you once again, and will consider your accurate review

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