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Interactive comment on “The 9 September 2010 torrential rain and flash flood in the Dragone catchment, Atrani, Amalfi Coast (Southern Italy)” by C. Violante et al.

Anonymous Referee #1

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I liked reading the manuscript written by Violante and co-workers about the flash-flood occurred on 9 September 2010 in southern Italy. It is a nice study, which is in depth documented with numerous figures. Although the focus of this study is rather local to regional, it could act as a case study for assessment of flash flood hazard. Description of recent events is essential for understanding such processes. It presents a case study of a torrential-flow event. The study is essentially centered on the calculation of the sediment volumes eroded and transported by the event. The manuscript is clear and fluent. The structure is correct though some minor improvements can be made. Method used and data available justify the interpretations and conclusions. I recommend pub-

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lishing this manuscript with the following minor revisions.

- The Authors used the terms "water flood" and "hyperconcentrated flow" according to Costa 1988 in section 6. In the conclusion (section 8) they described the occurred events as a "debris flood". There is a lot of confusion and I strongly recommend to use always the same terms referring to the same classifications (Debris flood are not included in the Costa 1988 classification). A paragraph in the Introduction would be very useful for clarifying the use of all these terms.

- Line 22: "surficial" is not correct. Did you mean superficial? - Fig.1: some localities are in Italian (Napoli, Campi Flegrei, Punta Licosa) all the others are in English

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