

Interactive comment on “Considering hazard estimation uncertain in urban resilience strategies” by B. Barroca et al.

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A very interesting paper on different aspects : - the first part on the comparison of approaches in order to extrapolate extreme flow-rates is relevant (especially graphs 3 and 4) ; it shows the big difference that exists on the 100-year flow-rate calculated depending on the model used. Even by taking account uncertainties, the upper value and the lower value are very distant. The burning question now is : how is it possible to design protection strategies (which limit values ? which thresholds ?) in a such uncertain world ? - the analysis of urban components in 3 types is interesting because it integrates all relevant components in the urban functioning : strategic, aggravating (for example, public transport systems) and minimizing type. This functional decomposition

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is essential in order to understand the numerous interactions between components (for example the "public transport" component is linked with the "energy" component,...).

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