

Interactive comment on “Historical changes in frequency and seasonality of extreme floods in Prague” by L. Elleder

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Thank you very much for your interest and comments. My point-to-point answers are included in the text of your review below:

Anonymous Referee #2 Received and published: 25 February 2015 Present manuscript under revision is a very good example of interdisciplinary research results on historical flood events reconstruction. Homogenisation of historical information producing common data expressed on flood peak discharges and return periods. It's next step for a research field where different basins and regions can put in common respective results.

Specific comments: Page 1640, line 25. River "Innn" by River "Inn"

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Response: I will correct it.

General comments: I center my comments on chapter 2, after extense and complete review already available in HESSD of Prof. Herget. This chapter for me is very important. Definition as "Methodology" it seems short, and it could be completed because other aspects are also included. Or other option is definition of chapter as "Methodologies". In this chapter, autor show how arrive historical information from different sources and it is analyzed and converted in modern data of hydraulic fieldwork (peak discharges, return period definitions...). Description of process is enough clear but, in order to help other groups involved in similar processes, I would thank an effort to introduce informative tables and any figure to show example about process. One table with basic characteristics of every flood event would be very illustrative. May be in one annex? Information as bibliographical source, main documentary sources used, detailed dates of events, classification or flood type, peak discharge reconstructed...

Response: It is an interesting suggestion. Nevertheless, I am afraid that the suggested table would be very extensive. Even if it covered only augmented set of floods (1180–1825), it would include some 150–180 records. If it covered the entire set (including the instrumental period, it would include even more than 300 records. Such an extensive table might introduce some complications. Another point is that these primary data are property of the Czech Hydrometeorological Institute and are not "per se" available for publication. Instead of such a table, Fig. 2 gives an overview of flood events per century. I strongly believe that it is appropriate for purpose of this paper.

Any figure describing main bed river section of Prague would be very well received to illustrate "environment" of research and obtained results.

Response: This figure and detailed description of changes in river bed was published earlier (please, see Elleder et al., 2013). I will stress this in the revised version of this manuscript.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 1633, 2015.

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12, C696–C697, 2015

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