



## **A 500-year overview and analysis of flood changes in Europe: preliminary results**

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Long-term flood series can be gained by combining evidence and systematic hydrological observations. Following various already existing local and regional studies, an important aim of the present work is to create a broad European database of long flood chronologies and to use them for detecting changes in flood regimes with respect to common break points. Another aim of the investigations is to reveal the main causes (e.g. atmospheric, human) of these changes and study spatial and temporal variability of floods on a European scale. In the presentation we provide an overview on the current stage of these Europe-wide investigations, including the available source types (i.e. documentary and instrumental), geographical coverage, temporal and spatial distribution of long-term flood series applied in the study. The first research results concerns basic information on magnitude, frequency and seasonality of floods (with special consideration of detectable changes).

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