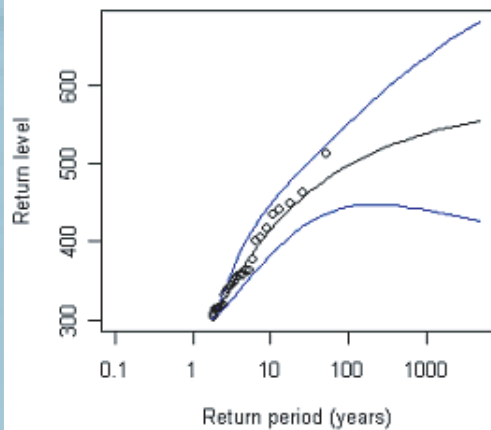


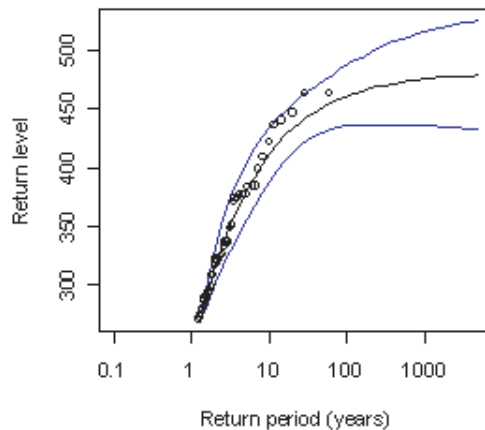
# The occurrence of extreme precipitation values in Finland during summer (May-September)

Jaakko Helminen, Ari Venäläinen and Andrea Vajda

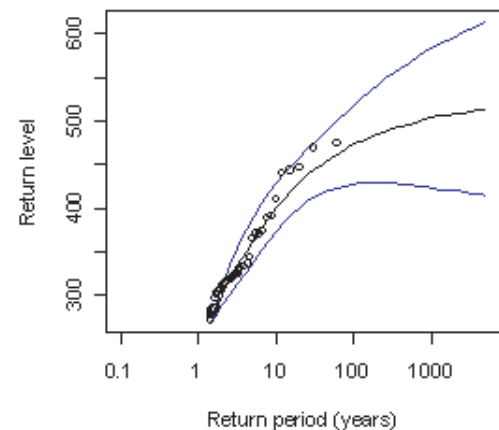
Helsinki



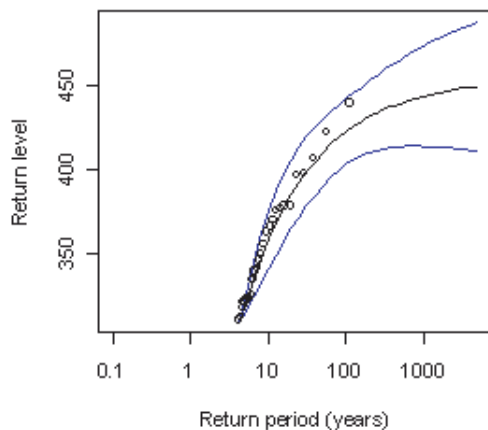
Jyväskylä



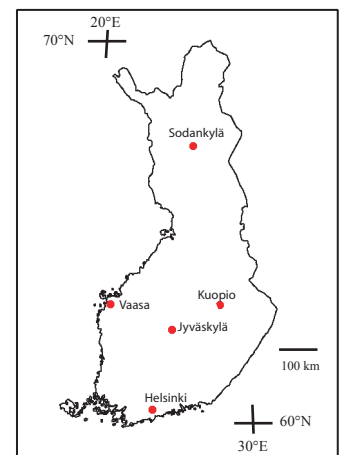
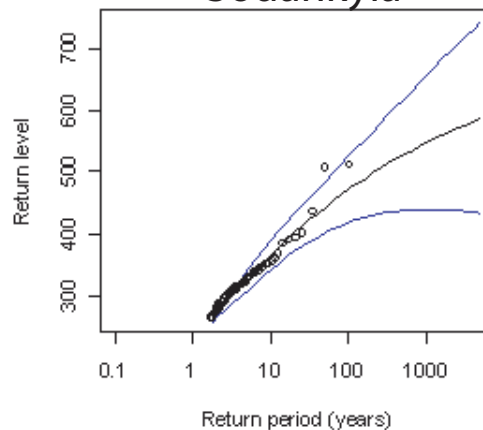
Kuopio



Vaasa



Sodankylä



Based on data obtained from five meteorological stations located in different parts of Finland the one hundred year return values were analysed for May-September precipitation. This is a period where snowfall occurs very rarely. The analyses were made using the Extremes Toolkit (extRemes) and Generalized Parento Distribution (GPD). The length of observation time series was 1829-2004, 1883-2004, 1883-2004, 1884-2004 and 1891-2004 for Helsinki, Jyväskylä, Vaasa, Kuopio and Sodankylä, respectively.

According to these analyses the return values for May-September precipitation varied between 422 (Vaasa) and 498 millimeters (Helsinki).

