



## **On the ability of a regional climate model to reproduce extremes**

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In connection with 2002 floods in Czech Republic we started to analyse whether RCMs are capable to reproduce extremes, which can be quite important feature of changing climate. First of all, the reliability of the RCMs in reproducing extremes has to be studied in the experiment with the perfect boundary condition driving, we are presenting the results of such an experiment with RegCM3 with resolution of 45 km for period 1961-2000 based on NCEP reanalyses used as driving boundary conditions. Comparison of the results to observational data for precipitation and temperature in complex topographic features of Czech Republic is discussed as well.