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## **High resolution experiments with the regional climate model ALADIN-Climate/CZ**

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Two simulations of the regional climate model ALADIN-Climate/CZ driven by the ERA-40 re-analysis and global climate model ARPEGE were performed in the horizontal resolution of 10 km over the Central Europe. The results were compared with available datasets of observed data from the Central Europe (air temperature and precipitation). The special emphasis was placed on the territory of the Czech Republic, where the detailed validation of the model's performance was analyzed by the comparison with measurements from weather stations within the period 1961-1990. The analysis concentrated on spatial distribution of long-term means, inter-annual variability and selected temperature and precipitation indices collected within CECILIA FP6 project used for assessing ability of the model to simulate extreme events.