



RCM ALADIN-Climate/CZ simulation of 2021-2050 and 2071-2100 climate over the Central Europe region

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The regional climate model ALADIN-Climate/CZ is employed within the frame of the EU FP6 project CECILIA to provide high-resolution information on future climate conditions over the region of Central Europe. The regional climate model is driven by GCM ARPEGE-Climate with the IPCC A1B emission scenario. Here we present the investigation of the scenario run results with emphasis on the region of the Czech Republic, Austria and Slovakia. The obtained results are compared to both 1961-1990 historic run outputs (forced by GCM ARPEGE-Climate) and the present time climatological observations from available datasets, including the set of station data provided by the project's partners. Corrected model outputs are in the end analyzed with regard to extreme events (air temperature and precipitation).