



CNRM-CM5 Earth modelling system at CHMI: first results

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We introduce coupled global climate model CNRM-CM5 and simulations, which are being performed at the CHMI with the kind support from CNRM/Météo-France. Goal of our work is to offer new insight into the possible Central European climate during the recent centuries using the small ensemble of simulations performed with the help of CNRM-CM5 model. Outputs of those historical simulations should in itself shed more light on the variability of past Central European climate and vulnerability to climate extremes. Additionally, these outputs are going to be confronted with historical and measured data of the past. Analysis and mutual confrontation between measured (archived) and modeled data should bring new level of understanding on Central European climate in recent past. In order to gain as comprehensive as possible information we are planning to run nested regional climate model ALADIN simulations and to downscale CGCM information for Central Europe. Results of our work should also contribute to future model development.