



Dynamical downscaling of the present climate over Greece using the PRECIS and RegCM3 Regional Climate Models

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The PRECIS and RegCM3 regional climate models are run for 30 years for the period 1961-1990 forced by the ECMWF ERA-40 analyses. The dynamical downscaling is applied over the region of South-East Europe with emphasis in the area of Greece. The horizontal resolution of PRECIS is 25 x 25 km and RegCM3's is 50 x 50 km. Here we present the first results from these multi-year simulations and compare the two models' decadal climatology and inter-annual variability of temperature against observations from ground meteorological stations in Greece. The year-to-year- and seasonal biases of the two models' temperature are compared to the observed data and are discussed for different regions of Greece.