

Comaprison of weather forecast statistics with climate statistics using the LM/CLM hybrid model.

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In the last years the CLM-Community developed the climate version of the nonhydrostatic Local Model of the DWD, called CLM. In 2006 the weather forecast model LM and the regional climate model CLM have been unified. The new hybrid weather forecast and regional climate model LM/CLM_4 opens the possibility for detailed comparison of the statistics of the weather forecast for different prediction times with the mean climate of the model for the same period simulated in the transient model run and the same boundary conditions.

We give a short overview of the model system, show results of the comparison of the different types of statistics with observations and with each other and discuss the relevance of the results for further model development.