On the optimization of regional model for Euro-CORDEX simulations at CUNI

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Simulations driven by ERA-interim reanalysis for CORDEX over Europe domain have been performed using RegCM and CLWRF at 50 km resolution. Several settings with different convective and boundary layer parameterizations have been tested to assess the sensitivity of the models and to get the best performance. Some options to approach the physical reality are revisited. E-OBS data are used for the validation. The new settings of RegCM4 are better comparable with old RegCM3 version.