Geophysical Research Abstracts
Vol. 14, EGU2012-13538, 2012
EGU General Assembly 2012


# RegCM3 vs. RegCM4 comparison for CORDEX in Africa and Europe

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Sets of simulations driven by full ERA-interim reanalysis for CORDEX over Africa and Europe domains have been performed using RegCM3 and RegCM4 with convective parameterization tests using Grell, Emanuel, and Kuo schemes. While Emanuel parameterization overestimates precipitation, there is good agreement for both versions over the both domains. However, for temperature the RegCM4 version shows higher departure from E-OBS data, especially for maximum temperature significant underestimation can be seen for all seasons. CLM land surface scheme is tested to reduce these biases.