



## **On the transferability of RegCM4: Europe, Africa and Asia**

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Simulations driven by ERA-interim reanalysis for CORDEX domains covering Europe, Africa and Asia have been performed using RegCM4 at 50 km resolution. The same settings are used in basic simulations and preliminary evaluation of model performance for individual regions will be presented. Several settings of different options is tested and sensitivity of selected ones will be shown in individual regions. Secant Mercator projection is introduced for Africa providing more efficient model geometry setting, the impact of proper emissivity inclusion is compared especially for Africa and Asia desserts. CRU data are used for the validation.