



High resolution sensitivity experiments forced with different soil moisture

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In the context of climate change scenarios runs the outcome of different soil water content forcing depend on different time-scales interactions.

A set of 10-year summer season (June, July, August) simulations with the RegCM in which the soil water content has been forced by fixed values (mean, above-mean, bellow-mean) is analyzed. The spatial domain is centered over Romania. The response of water cycle budget to different soil moisture forcing is compared both for current climate and for A1B IPCC scenario. Our analysis will emphasize the sensitivity of water budget to the soil water content both in the current climate and in the climate change scenario.