



## Seasonality of SST influence on regional precipitation

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Previous studies for short to interannual time scale indicate a positive correlation between the Black Sea sst and precipitation increase in wintertime over Romania. In the context of high resolution climate change scenarios the more general relation of the sst with the hydrological budget can be analysed through the different time-scales interactions. Seasonally stratified multi-year simulations in which sst has been forced to warmer values have been performed with the RegCM model. Results, accounting for water cycle sensitivity to local sst uncertainty, indicate different behavior of precipitation-sst linkage in winter and summer. Some possible feedbacks through the soil water content and their thresholds contributing to the results are analysed through additional experiments.