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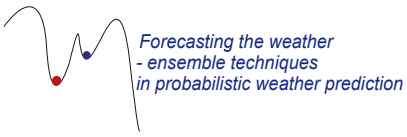

Seasonal to interannual and decadal predictability for South Eastern Europe

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Our study investigates climate predictability over South-Eastern Europe on seasonal to interannual and decadal scales. The analysed sources of predictability consist of Arctic Oscillation phases, sea surface temperature patterns, snow cover variability, fluctuations of sea ice concentration and climate change related trends. Data used are station observations from national meteorological networks extracted from European Climate Assessment Dataset (ECAD), reanalysis fields (ERA - 40) and model results from CMIP3 archive. Trend analyses, linear predictive models based on Canonical Correlation Analysis and nonlinear analogue approach have been used to identify particular predictability sources and to assign them predictive skills.