



Forecasting climate indices on a seasonal to decadal timescale in the framework of EUPORIAS

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EUPORIAS is a European wide EU FP7 project that focuses on improving the benefit of seasonal and decadal forecasts over Europe. The project is set up in different work packages, starting on involving stake holders in order to get information on which information is of interest, the downscaling and post-processing of model data, to evaluate the derived products concerning their skill and value and how to best establish climate services to provide such information to users.

MeteoSwiss investigates the predictability of user oriented climate impact indices (CIIs) on a seasonal time scale. In a first step the daily temperature data of ECWMF System 4 is analyzed concerning its biases in the hindcast climatology compared to observational data. The limited number of hindcasts is a challenge to calculate a reliable estimate of the observed climate necessary for a bias correction. Approaches for such bias correction techniques on a daily resolution are compared and will be discussed. Based on such a calibration, preliminary temperature based CIIs are calculated. It will be shown, that the model is able to reproduce the climate of such indices realistically. First results of the predictive skill over Europe will be presented as well.