

WETTREG - One puzzle piece in climate variability studies

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Current studies of the development of the next decades often tend to focus on numerical models. This presentation will focus on indicators extracted from global numerical models as an input to a statistical model. They are obtained using objective weather types which draw information from the development of large scale patterns, as well as the intrinsic changes of atmospheric variables, thus evaluating the changes in frequency, placement and amplitude of atmospheric features.

Based on those knowledge conditioned Monte-Carlo-Simulations are possible. This is an alternative perspective of the ensemble strategy. Results of projects for several German Environmental Authorities show interesting results for future climate variability.