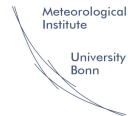# VeCAP Verification-Tool

Verification, Calibration and Assessment of Predictability of medium-range climate predictions

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RESULTS - STATISTICS BASED ON PRINCIPAL COMPONENTS

Principal Components of sequenced model and observed data

Eigenmodes for data comparison are offered for multivariate analysis. Their effect is twofold: They show dynamic consistencies between the time series and help to reveal possible data inconsistencies. Data errors often lead to extra modes or jumps within the time series.

Data Description

Analysis period year: 1962 2012

model files :

- zg_Amon_MPI-ESM-LR_decs1960_2010_r1i1p1_avrg2_2_reduced2.nc
- zg_Amon_MPI-ESM-LR_decs1960_2010_r2i1p1_avrg2_2_reduced2.nc
- zg_Amon_MPI-ESM-LR_decs1960_2010_r3i1p1_avrg2_2_reduced2.nc

observed data file:

- zg_era_echam6form_1avg_1962_2012.nc

References

von Storch, H. and Zwiers, F.: Statistical Analysis in Climate Research, Cambridge University Press, 484pp, 1999.