Geophysical Research Abstracts
Vol. 15, EGU2013-13374, 2013
EGU General Assembly 2013


# Climate classification revisited: From Köppen to Trewartha for models evaluation

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The analysis of climate patterns can be performed for each climatic variable separately or the data can be aggregated using e.g. a kind of climate classification. These classifications usually correspond to vegetation distribution in the sense that each climate type is dominated by one vegetation zone or eco-region. This way climate classifications also represent a convenient tool for validation of climate models and for the analysis of simulated future climate changes.

Basic concepts are presented on global CRU data and the analysis is shown on CMIP5 family of GCM simulations. Different performance of individual GCMs can be seen, but with clear indication of some similarities given by the model dependencies. This evaluation can provide first insight on the driving GCM performance in individual region for further downscaling.

Furthemore, the preliminary analysis evaluating Euro-CORDEX simulations in terms of chmate types will be presented.