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Detailed cluster analysis of (E-OBS 4.0) European precipitation series

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The presented study is focused on the cluster analysis of precipitation series over Europe. We have applied the hierarchical cluster analysis on the temperature series obtained from the daily gridded observational dataset for precipitation, temperature and sea level pressure in Europe called E-OBS (see Haylock et al., 2008). After we have applied the hierarchical clustering algorithms, we have studied the resulting dendrograms using various approaches including dynamical/hybrid cuts. The results include selection of similar (similar in various ways) geographical regions as well as analysis of characteristics of particular clusters.