



Homogenization of Swedish precipitation and temperature data

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Observational data is the foundation of knowledge about our climate system and our ability to follow climate change. But observations can be affected by changes in methods and instrumentation, and also by relocation of stations, to mention some sources of errors. These errors can at least partially be corrected for by homogenization of data.

At the Swedish Meteorological and Hydrological Institute we are updating our method for homogenization. Since two years a homogenization software, Home-R, have been implemented. The Home-R software was developed during the Cost Home Action, which is now ended. The current focus is on homogenization of Swedish precipitation data using the Home-R software. The latest result and our experiences of using Home-R in the homogenization work will be presented.

We also compare the results when homogenization is performed using the Home-R software and our prior SNHT-method.