



The construction of a Central Netherlands temperature

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The Central Netherlands Temperature record (CNT) is a monthly daily mean temperature time series that is representative for a region in the center of the country, i.e. excluding the coast, north and south. It has been constructed to study large-scale temperature changes and facilitate comparisons with climate models, which resolve similar scales.

From 1906 onwards, temperature observations in the Netherlands have been sufficiently standardized to construct a high-quality series. Long time series have been constructed by merging nearby stations, using the overlap periods to calibrate the differences. These long time series have been subjected to a homogeneity analysis. Significant breaks and trends have been corrected. Many, but not all, breaks correspond to changes in the observations that are documented in the station metadata.

The current version of the Central Netherlands Temperature record is constructed as the unweighted average of four stations until 1950 and six stations afterwards.

The trend in the CNT is slightly lower than the trend in the De Bilt series over the last 60 years.