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## Software for data quality control and homogenization of time series

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During the last decate, software package AnClim+ProClimDB+LoadData for processing climatological data has been created. The reason was to fill a gap for missing methods/tools required in climatological practice. In the end, this software offers complex solution in processing climatological time series, starting from loading data from a central database (e.g. Oracle, software LoadData), through data duality control and homogenization to time series analysis, extreme values evaluation and model outputs verification (ProClimDB and AnClim software). The AnClim software is meant for homogenization and time series analysis (correlation and regression analysis, analysis of trends, cycles), ProClimDB is database software for processing whole climatological datasets (containing tools for data quality control, creating reference series, adjusting series, filling missing data, extreme value analysis, model outputs verification, calculation series for grid points). Regarding relative homogeneity tests, the test available are: Alexandersson's SNHT - various modifications, Bivariate test of Maronna and Yohai, Easterling's and Peterson's test, Vincent's MLR, and others. The tools implemented in the software enable to homogenize both monthly and daily data. For more information see the web page http://www.climahom.eu/.