Software package for processing climatological time series

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During last years, software package AnClim+ProClimDB+LoadData for processing
climatological data has been created. The reason was to fill a gap in missing meth-
ods/tools required in climatological practice. In the end, the software offers complex
solution in processing climatological time series, starting from loading data from cen-
tral database through data quality control and homogenization to time series analysis,
extreme values evaluation and model output validation. The software package consists
of these individual software: AnClim - software for homogenization and time series
analysis (correlation and regression analysis, analysis of trends, cycles), ProClimDB
- 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 evaluation, calculating series for grid points)
and LoadData - application for loading data from central database (e.g. Oracle). The
software has been used among others for reconstruction process of all monthly pre-
cipitation data for eastern Mediterranean area of Spain or for Aladin RCM output
validation against station data in the Central Europe. For more information about the
software visit the web page http://www.klimahom.com/software/.