



## Up-to-date CLINOs for Austria

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WMO defines Climatological normal as averages of climatological data computed for the following consecutive periods of 30 years: 1 January 1901 to 31 December 1930, 1 January 1931 to 31 December 1961, etc. In this respect 1961 to 1990 would be the valid reference for our actual climate. Customers, however assess the value of CLINOs 1961-1990 as out of date information. Even the human perception claims for an updated reference period. Therefore ZAMG decided to calculate "operational" normals for the period 1981-2010. For mean temperature and precipitation totals only homogenized data will be used by applying HOMER, a software package developed within the COST ES0601 (<http://www.homogenisation.org>). For all other elements our homogenization experience is limited, we have to trust on the quality checked series supplemented by metadata and visual inspection. The following operational normals 1981-2010 will be made available: air temperature (11 characteristic parameters), precipitation (4), sunshine (7), humidity (3), snow (4), days with hail and days with thunderstorms, wind (4).

The new data set will be freely available to be downloaded from ZAMG's web-page (<http://www.zamg.ac.at>) as an essential contribution to Austrian's Climate Services. Users will come from various parts of the science community, institutions for education but also from various economic sectors.

On the poster will we present some outstanding differences between the two periods.

Reference:

WMO, 2007: The Role of Climatological Normals in a Changing Climate. WCDMP-No. 61, WMO.TD No. 1377.