



The Foralps experience in Lombardy: an assessment of the regional climate in the last century with long term data series

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During the Alpine Space Interreg project Foralps ARPA Lombardia and ISAC-CNR carried out a huge work of rescue and collection of temperature and rainfall data, also combining different data sources. Now 20 long term daily series of rainfall and 11 series of temperature are available in the Greater Lombardy Area (GLA, 44 to 47_N, 7 to 12_E). The collected data were used to provide a site based analysis of the last century climate in the GLA, using the twenty seven WMO indices based on daily homogeneous data.

The results show a clear signal of warming in the GLA, while the signal on precipitation isn't so clear.

Monthly data were homogenized and some simple indices with monthly, seasonal and annual aggregation were calculated.

These indices were calculated on the raw data and compared with the ones from homogenized data, as a sensitivity analysis of the homogenization methodology used.