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The CLICES project: Climate data rescue from Spanish Annual Book and creation of secular database for maximum and minimum temperature, and precipitation (monthly scale) in Spanish mainland (1916-2015)

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Annual books publish by Spanish National Meteorological Agency (AEMet) from the beginning of the twenty century contained huge amount of data not analysed until present. The CLICES project (CLImate of the last CEntury in Spanish mainland) supported by Spanish government, has as the main objectives the complete digitalization of temperature and precipitation (monthly values), match with the national meteorological archives from Spanish National Meteorological Agency, and finally to performed a secular grid (1916-2015) maximizing the complete available information. To do that we will develop a new approach consisting on reconstructed by mean of interpolation monthly fields instead of reconstruct series because of the amount of data along the time change dramatically. These approach is able to use the completed information independently of length of each series, notwithstanding there exist some methodological problems because in each monthly field the amount of information change not only in location but also in the amount observatories. We present the initial results related to data rescue and creation of database for maximum and minimum temperature, and precipitation monthly in Spanish mainland.