



## FORALPS Project in Slovenija

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FORALPS is an INTERREG project with its longer name *Meteo-Hydrological Forecast and Observations for improved water Resource management in the ALPS*. Environmental Agency of the Republic of Slovenia (EARS) is a project partner since its beginning in 2005.

In the framework of working group 5, which addresses meteorological and hydrological data in the broadest meaning, the aim of Slovenian partner was to extend and improve the quality of national climatological database.

For reliable climatological analysis high quality climatological data is the primary basis. Long, validated and homogenous climatological data series are essential for the analysis of climate variability and change since different errors and inhomogenities in data series could produce false signals, with magnitude comparable or even larger than climate variability or climate change signals. Long, homogenous data series are also very important for climate predictions, since only good knowledge of past climate can lead us to good predictions, especially on local scale.

Digital archives of Slovene meteorological data contain records from 1961 onwards for the majority of the stations. In the frame of FORALPS the resources of historical climatological data were searched and the data for longer data-series have been digitised. For the purpose of homogenisation and climatological analysis, the history of measurement site and the instruments must be well documented. Therefore EARS has performed activities to restore metadata archive and transfer it into digital form. With additional metadata on extended data series we found new facts about past climate in Slovenia, especially about extreme values and trends.