ARTYDOC, a new digital archive of meteorological documentation

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In recent years the Meteorological Service of Catalonia (SMC) has promoted a long process of identification, cataloguing and imaging of documentary sources containing meteorological and climate information. Currently (April 2018) the volume of digitized images exceeds 6 Tb (therabytes), and every year this number increases. The challenge once this information is preserved is providing a good cataloguing system, to be able to look at the material efficiently.

ARTYDOC software is the tool chosen by the SMC for the management, classification, description and dissemination of the digital archive of the institution. As for management profile the tool allows defining the user's accessibility, deciding who participates and how, as well as maintaining the traceability of the system. The classification permits access to documents through various levels related hierarchically: observation sheets and logbooks, publications, strip charts, correspondence, photographs of weather stations... The system lets the administrator define precise description of the documents configurable by the manager, giving to digital objects background information, organization and content. At the moment, 60% of the total amounts of documents are already catalogued. ARTYDOC is a powerful tool during the quality control process of meteorological data, as permits easily check the suspicious or erroneous data with the original documents.

Finally, ARTYDOC also allows the dissemination of the digital heritage of the SMC, deciding how much you want to open up the network to the general public. In the year 2021 the SMC will celebrate the 100 years of its foundation, and one of the objectives is making publicly accessible all the digital archive.