

An overview on the architecture, services and features of the new information system in use at Climate Department of the Italian Air Force Met-Service (USAM-CNMCA)

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In the last three years USAM-CNMCA (Italian Air Force Meteorological Service) invested resources to upgrade its climatological information system, evolution moreover still in progress, mainly with the purpose to achieve the following objectives:

- to implement a flexible, modular and innovative environment for data ingest, processing and delivery;
- to design and realize an appropriate package of interfaces, database tables and scripts for station and stream metadata management;
- to allow easy third party scripts and utilities integration and execution to extend core system functionalities, generating and archiving processed data and new climatological types of products;
- to build the core components for the next full-featured open-designed CDMS infrastructure.

In the proposed poster we intend to show and describe:

- the overall architecture of the system;
- the logical structure of its main components;
- what developed so far thanks to a successful joining of knowledge and expertise by USAM-CNMCA and SYSMAN (an over 10-years weather and environmental data processing experienced software house) staff personnel;
- some examples of its functionalities and potentialities.