

## **HYDROMET – A SOFTWARE TO MANADGE AND PROCESS HYDROMETEOROLOGICAL DATA**

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The Research Institute for Development (IRD) and the National Company for the Rhone (CNR) have combined their expertise in managing networks for measuring and processing hydro-meteorological data. The result is a new software program called HYDROMET.

HYDROMET has been designed to provide the following functions:

- hydro-meteorological data acquisition and collection: stage, discharges, gaugings, rating curves, water quality parameters, rainfall, temperatures, hygrometry, wind speed, etc.
- information storage in an ORACLE data base ensuring full integrity,
- automatic data processing in real time or in deferred time for data stored in the data base,
- varied means of disseminating stored data.

HYDROMET is an open system, designed to solve the problems of data management in contemporary hydro-meteorology.

The dissemination of information on Minitel (France) or Internet ensures 24 hour a day service to public services and consumers with no time constraints or human intervention necessary.

Several architectures could be used, depending on needs hydro meteorological network size, number of applications, which are installed on the server, number of client PCs on the network, etc.

HYDROMET is available in a multi-station version: a server and several client PCs: (for example, up to a hundred client PCs can be connected at the CNR, some of which are off-site, connected to the server with through a high-speed data link and have the same conditions of access as the users of the central site and the same access time as those using the internal network), or in mono-station version: the server and the client are on the same PC.

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**ABSTRACTS**

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