

A LINK BETWEEN A WEB BASED HYDROLOGICAL YEARBOOK AND ONLINE DATA

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Traditional paper based hydrological yearbook and its numerous components i.e texts, graphics and databases have been edited in Reunion island since year 1975.

These last 7 years, the Internet and the world wide web have to be introduced and open a new dimension for yearbooks authoring.

So, these techniques introduce net based structures with flexible linked components written in HTML, XML languages and completed with multimedia presentations of field observations like floods, droughts, water quality...and also for education (water level or discharge measuring ...).

The last 2003/2004 CD-ROM release have been written (i) as a stand-alone tool to give to engineers, teachers, students and government authorities a 'photograph' with easy access and direct information for all hydrological elements with relationships and statistics during last year compared to other ones.

For example, database of more 400 multi-purpose stations is linked with pre-defined paths from contextual texts, graphics, tables and videos...besides direct index access and geographical 'mouse click'.

Reader may notice that information on the CD-ROM can be copy and paste in HTML format to basic spreadsheet for specific statistics use.

More (ii): It is easy to connect to online web server and import any (same formatted) last current year observation to complete pre-registered databases with up to date data. Scalable Vector Graphics (SVG) technology enable to create dynamically generated maps or high-quality graphics with precise structural and visual controls.

At last (iii): For authorized users, the web platform allows to connect to GSM and INMARSAT stations to get real-time observations which can be compared to pre-registered hydrological characteristics for first approach forecasting without computing.

REFERENCES

Public water office of Reunion island, 2003/2004, Hydrological yearbooks
Public water office of Reunion island, web site: www.office-eau974.fr