

“MétéEau des nappes”, a decision making tool mixing water cycle’s various data for characterizing in almost real-time groundwater quantitative state

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Short abstract (maximum 80 words):

In a climate change context, availability of real time and forecast data is essential for decision makers. Associated with threshold values those data can indicate if a crisis situation is expected (drought or flood).

Piezometric raw data from sensors are exposed in interoperable formats and services.

This tool is able to cross data from different networks (meteorology, river flow, piezometric) in order to characterize in almost real-time groundwater quantitative state [Figure 1]. A web prototype was deployed on 6 case studies [1].



Figure 1: Screenshot of the prototype (in the date of May 16th, 2017)

References

[1] Bessière H., Mougin B., Vigier Y., Nicolas J., Loigerot S. (2017). "MétéEau des nappes": a decision making tool to characterize in almost real-time groundwater quantitative state. 44th IAH International Congress "Groundwater Heritage & Sustainability" (Dubrovnik, Croatia, 25-29 September 2017). Oral presentation of abstract n°T4.4.1. Session n°T4.4.