



Real Time Experiment of seasonal river flow forecast for dam management in France.

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In the framework of FP7 project EUPORIAS, Météo-France has developed a prototype of climate service, named RIFF, dedicated to dam management in France (<http://riff.euporias.eu/en>). By computing seasonal forecast with a hydrologic model over France, RIFF aims to forecast river flows and to help to manage water resource several months in advance. This prototype has been co-built with two specific stakeholders in France for Seine and Garonne basins and tailored products were defined. Its potentialities (i.e. its effective impact on decisions) have been assessed on past situations, over the hindcast period of the seasonal forecast model with an original method, named Placebo concept (Viel et al, 2016).

In spring and summer 2016, for the first time, RIFF is experimented in real-time conditions using operational seasonal forecasts. Concretely, the two stakeholders involved in the project have the opportunity to use information from the prototype (raw data and products) in their decision making process.

In this presentation we describe the forecast products and the models used to create them (climate model and data, impact model). We present the delivery platform chosen to host them, and the complements we have proposed to put them in a larger context of current predictability. And last, we expose the first feedbacks from stakeholders.

References :

Viel, C., Beaulant, A.-L., Soubeyroux, J.-M., and Céron, J.-P.: How seasonal forecast could help a decision maker: an example of climate service for water resource management, *Adv. Sci. Res.*, 13, 51-55, doi:10.5194/asr-13-51-2016, 2016