



## **Evaluation of soil water budget over the Iberian Peninsula using PRUDENCE regional climate simulations**

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The various components of the soil water budget are evaluated over the Iberian Peninsula for both a control climate (1961-1990) and future projection scenarios (2070-2100) runs using the regional climate simulations conducted in the context of the EU-funded PRUDENCE project. Special focus has been placed on the seasonal evolution of different components and on the estimation of uncertainty coming from different sources: emission scenarios, global circulation models and regional climate models.

The usage of the PRUDENCE collection of regional climate simulations driven by two global models and under two emission scenarios allows to draw robust conclusions on the behaviour of the current and future hydrological cycle over a region which is already specially vulnerable to climate variability and to reduced water availability.