

Climate change and water resources: an approach to adaptive management

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Abstract In the presence of uncertainty, adaptive management is recognized to be effective, normally relying on field experimentation to accelerate the learning process. For the design, optimisation, and operation of hydropower installations, such an approach is generally feasible only by considering experimentation as “virtual” in a modelling exercise. This paper describes such an approach to adaptive management and illustrates it with an example for a watershed in Quebec.

Key words climate change; adaptive management; hydropower