

Christian Leduc

hydrogeologist in semi-arid areas



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1. Identification and quantification of physical processes distributing and exchanging water between surface and aquifers, with a special interest for their extreme variability in time and space (from field measurement to physical modelling).

2. Reconstruction of past dynamics from heterogeneous sets of information (hydrology, history, environment) and their respective importance depending on time.

3. Study of hydrological changes induced by climate and anthropogenic drivers (from decade to millennia) by crossing different approaches (hydrodynamics and geochemistry).

4. Confrontation between water resources and water uses, by considering interactions between environment and society. Contribution to the integrated water management.

Working mainly in the Sahel region and in the Mediterranean region, and more recently in South America

Particular interests for

historical dimensions of water management (recent involvement with archeologists and historians)

teaching in master courses, developing numerical courses

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