

Management of Water Resources in a Hyper-Arid Area: Strategy and Issues (Case of Oued-Souf Valley-South Eastern of Algeria)

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Author(s)

Salim Khechana, El-Fadel Derradji

ABSTRACT

Rising Groundwater in Oued-Souf valley is result to errors committed by human in their interventions on the ecosystems and the mismanagement of this resource, witch principally marked in overexploitation of depth groundwater and the used sewerage system, leading the region to a truly dramatic and almost desperate, palms were turned into sort of marshes, where reeds take the place of dead palm trees. This situation lead us to search a model of water resources management, according to sustainability criteria taking into account the socio-economic (social, agricultural, industrial, tourism) and ecosystem aspects (environmental and territorial). This by adapting and implementing the Integrated Management of Water Resources (IMWR) in this unit of water resources, so as to guide and mobilize progressively human, informational, financial and material resources, as well as the various sectors private and public to research concrete and measurable results, for water and ecosystems those are associated and that people wanted to see protected and restored.

KEYWORDS

Rising Groundwater; Oued-Souf Valley; Integrated Management of Water Resources; Confrontation Resources-Needs

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