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Thème

Groundwater quality response to climate, land use or other earth system changes

What will happen to aquifers in margin-coastal areas under the influence of climate change

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INTRODUCTION AND METHODOLOGY

Fresh groundwater in a coastal region can be easily contaminated by seawater intrusion, which is affected by sea level ris and regional precipitation deficit. Coastal groundwater are particulary vulnerable.

This work seeks to highlight the intrusion of salt bevel into coastal aquifer systems and their impact on groundwater quality. The methodology adopted consists in assessing water contamination

The methodology adopted consists in assessing the contamination of coastal groundwater in three target areas, namely the Senegal River delta, the Retba Lake basin and the Sine Saloum basin, through conductivity, water chemistry and groundwater piezometry.



CONCLUSION: poster indicates: decrease in the impact of the climate deficit on the state of coastal aquifers with a sharp drop in water levels and high marine contamination.