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Water Management in the Territorial Development Organization Plans of the Provinces of Bolívar and Cañar

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Abstract

Land use planning is a tool to ensure the use of resources in the quality of life of people through the identification of potentialities and ecological limitations of a territory. The water resource in Ecuador is abundant, but the contamination of the water resources is a reality. The objective of this research was to identify the current situation of territorial management in relation to water resources in the provinces of Bolívar and Cañar, through a qualitative methodology, applying an analytical method on the situation of the rivers, the uses of the water resource, and the environmental management of the land use plans obtained from the National Information System. It was determined that the Territorial Development Organization Plans (PDOTs) propose projects to face the problem of water resources; however the efficient use of agrochemicals and the treatment and reuse of sewage in the provinces of Cañar and Bolívar are pending.

Keywords

Water management Sustainable development Local actors Water pollution Cities Territorial Organization Plans Internet of Things Decision-Making Management models Water resources Social well-being PDOTs Environmental Management Stakeholders Territorial Intelligence

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