



# Sustainable Land Management Framework Against Desertification in the Sahel Region of Ghana

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## Abstract

The Sahel region in Ghana is facing desertification due to climate change and unsustainable land management practices, leading to loss of arable land. The theoretical framework provides insights into how these SLM practices can be integrated to mitigate desertification risks in the Sahel region of Ghana. Implementing reforestation and improved soil conservation measures, with community involvement and monitoring, is recommended for sustainable land management in the Sahel. The empirical specification follows  $Y = \beta_{0+\beta} X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** Sahelian, Territorial, Anthropogenic, Ecosystems, Sustainability, Holism, Conservation

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