



A Framework for Adaptation Strategies in Coastal Communities of West Africa: An Ethnoecological Perspective

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Abstract

Coastal communities in West Africa are experiencing increased frequency of extreme weather events due to climate change. A qualitative approach involving ethnographic research methods will be employed to understand local practices, beliefs, and decision-making processes related to climate change adaptation. This framework highlights the importance of integrating local ecological and cultural knowledge into climate change adaptation strategies for sustainable coastal development. Communities should be supported in documenting and sharing their traditional practices, while also engaging with scientific research to improve resilience against future environmental changes. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Sub-Saharan, adaptation, resilience, ethnoecology, vulnerability, climate-zones, sustainability*

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