



# Indigenous Community Responses to Climate Change Adaptation Strategies in Madagascar Landscape

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## Abstract

Madagascar is a biodiversity hotspot facing significant climate change impacts, necessitating innovative adaptation strategies that respect indigenous knowledge and practices. Qualitative interviews were conducted with community leaders and members across various regions of Madagascar, focusing on their experiences and attitudes towards climate adaptation initiatives. Community responses varied significantly, with some embracing solar-powered irrigation systems while others preferred traditional water storage methods. The study identified a strong preference for culturally aligned solutions over externally imposed strategies. Indigenous communities in Madagascar demonstrate resilience through diverse adaptive practices that integrate local knowledge and environmental conditions. Policy makers should prioritise community-led climate adaptation initiatives, incorporating indigenous knowledge to ensure sustainable and equitable outcomes.

**Keywords:** *Madagascar, Indigenous Knowledge, Community-Based Adaptation, Ethnography, Cultural Heritage, Sustainability Practices, Climate Justice*

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