



Carbon Sequestration in Mozambique’s Rural Community Forests: A Programme Evaluation

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Abstract

Carbon sequestration in rural Mozambique’s community forests is a critical issue for climate change mitigation and adaptation. A mixed-methods approach was employed to assess the CFM programme’s impact. Quantitative data were collected through standardised surveys and satellite imagery analysis, while qualitative insights were gathered from interviews and focus group discussions with local communities. The quantitative results indicate a significant increase in carbon sequestration rates by 25% over three years, attributed to enhanced tree cover management practices introduced under the CFM programme. Qualitative feedback highlighted improved community engagement and collective resource stewardship as key drivers of these outcomes. The CFM programme appears effective in enhancing carbon sequestration within Mozambique’s rural forest environments, demonstrating a tangible reduction in greenhouse gas emissions. Future initiatives should prioritise sustained community involvement, technical capacity building, and policy support to sustain the observed positive impacts on carbon sequestration and climate resilience. Carbon Sequestration, Community Forest Management, Mozambique, Climate Change Adaptation

Keywords: *Sub-Saharan, GIS, REDD+, sustainable development, ethnography, indicators, participatory appraisal*

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