



NGOs' Role in Adopting and Sustaining Clean Water Technologies in Off-Grid Ghana Villages

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Abstract

NGOs have played a significant role in facilitating access to clean water technologies for off-grid villages in Ghana. A mixed methods study combining survey data from NGO staff and interviews with community members to explore factors influencing technology uptake and long-term maintenance. Findings indicate that while initial adoption rates were high (85%), sustainability challenges include limited funding for ongoing operations, leading to a gradual decline in service availability over time. Despite the challenges, NGOs continue to be pivotal actors in promoting access to clean water technologies in off-grid communities. NGOs should prioritise sustainable financing mechanisms and community engagement strategies to enhance long-term technology efficacy.

Keywords: *Geographic, Sub-Saharan, Anthropology, Community Engagement, Evaluation Design, Participatory Action Research, Ethnography*

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