



Impact Assessment of Community Solar Farms on Coastal Guinea's Livelihoods and Energy Consumption Patterns: A Two-Year Study

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Abstract

Community solar farms have gained attention as a sustainable energy solution in coastal Guinea, where access to stable electricity is limited. Data were collected through surveys and interviews, employing mixed-methods approach with a sample size of 150 households in selected communities. A significant proportion (42%) of participants reported improved income from solar farm investments, with an average increase of 30 per month. Community solar farms have positively influenced local economies and energy consumption habits, e

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