RECC-LUM
CASE STUDY FACTSHEET
Song Kunda, URR

Background

This rural community is located in the Upper River Region of The Gambia. The women's garden is a vital source of food and income for the community. Women are primarily responsible for managing and cultivating the garden.

Feasibility Assessment

Renewable Energy Potential

- Solar-powered water pumps can be installed to provide irrigation for the garden, ensuring consistent water supply
- Solar panels can also be used for lighting and powering cold store for preservation of farm produce and powering other equipment
- A feasibility study is needed to assess energy demand and determine the optimal renewable energy system for the garden

Climate Change Mitigation

- Adoption of renewable energy reduces reliance on fossil fuels and mitigates greenhouse gas impacts
- Implementation of climate-smart agricultural practices, such as mulching and crop diversification, can enhance resilience to climate change impacts

Land Use Management

- Introduction of agroforestry techniques, and organic farming can improve soil fertility and provide additional sources of income to the community
- Soil conservation measures, such as terracing and cover cropping, can prevent erosion and maintain soil health

Policy and Institutional Support

- Collaboration with local agricultural extension services and government agencies is essential for technical support and capacity building
- Advocacy for policies supporting renewable energy adoption and sustainable agriculture practices is crucial for long-term success

Financial Viability

- Reduced water and energy cost savings contribute to financial sustainability
- Increased crop yields and potential income from value-added products can further support the garden's economic viability
- Donor funding and partnerships with NGOs can help finance the initial investment in renewable energy infrastructure and land management practices

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