



Micro-Solar Projects and Poverty Reduction in Fishing Communities of Lake Victoria: An Action Research Study

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Abstract

Micro-solar projects have shown potential in promoting sustainable livelihoods in rural communities, particularly in resource-limited settings such as fishing communities around Lake Victoria. This action research study employed participatory methods involving interviews, focus group discussions, and community surveys conducted over a three-year period (-). Data collection focused on socio-economic impacts and community perceptions of the projects. Micro-solar adoption among fishing households increased by 40% with significant improvements in lighting conditions, reducing dependency on traditional kerosene lamps. Economic benefits were substantial, leading to a 35% reduction in energy-related expenditures per household. The micro-solar projects significantly contributed to poverty alleviation and sustainability goals within the studied fishing communities of Lake Victoria, Uganda. Policy makers should consider integrating solar energy solutions into existing development programmes for underprivileged regions. Community stakeholders must be actively involved in project design and implementation to ensure long-term success.

Keywords: *Lake Victoria, Fishing Communities, Micro-Solar Energy, Sustainable Livelihoods, Community Development, Participatory Action Research, Ecological Economics*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

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