African Climate Change Science (Earth Science focus)

Financing Innovations in Renewable Energy Projects: Case Studies from East Africa

Ahmed Benali[1,2], **Abdellatif El Khayat**[3,4]

[1] Al Akhawayn University in Ifrane

[2] Department of Research, Institut Agronomique et Vétérinaire Hassan II

[3] Department of Interdisciplinary Studies, Al Akhawayn University in Ifrane

[4] Institut Agronomique et Vétérinaire Hassan II

Published: 16 January 2013 | **Received:** 20 September 2012 | **Accepted:** 12 December 2012

Correspondence: abenali@outlook.com

DOI: 10.5281/zenodo.18990344

Author notes

Ahmed Benali is affiliated with Al Akhawayn University in Ifrane and focuses on Energy research in Africa.
Abdellatif El Khayat is affiliated with Department of Interdisciplinary Studies, Al Akhawayn University in Ifrane and focuses on Energy research in Africa.

Abstract

Renewable energy projects in East Africa have faced significant financial challenges despite their potential to reduce carbon emissions and stabilise power grids. A review of existing literature and stakeholder interviews were conducted to gather data on financing strategies employed in renewable energy projects across East Africa. Specific attention was given to Morocco's experience due to its advanced policy environment and substantial investment in renewables. The analysis revealed that blended finance instruments, such as concessional loans and grants combined with private sector investments, played a crucial role in the successful implementation of renewable energy projects in Morocco. These mechanisms provided financial support while ensuring sustainability through long-term financing solutions. Morocco's experience demonstrates how effective policy coordination between government entities, international donors, and private investors can facilitate the deployment of renewable energy technologies, leading to more sustainable energy systems. Other East African countries considering similar projects should emulate Morocco's approach by integrating blended finance strategies into their national policies. This will help attract necessary funding while fostering long-term sustainability in renewable energy development. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p\, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Renewable Energy, East Africa, Financing, Green Energy, Microfinance, Development Economics, Project Evaluation*

ABSTRACT-ONLY PUBLICATION

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

✉ REQUEST FULL PAPER

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa

Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge