



CONFERÊNCIA ALER

RENOVÁVEIS NA ELECTRIFICAÇÃO DE MOÇAMBIQUE

ALER CONFERENCE
RENEWABLES IN THE
ELECTRIFICATION OF MOZAMBIQUE

Mini-grids in Mozambique

Sustainable Energy Fund for Africa (SEFA) - Technical Assistance

Promotion of Renewable Energy in Mozambique



African Development Bank

Andrew Muguwa – Principal Power
Engineer



Universal Access to “Lighting!” – World Energy Outlook 2017



ORGANIZAÇÃO:



APOIO:





Modalities of connection

On-grid: Urban Areas

Mini-grid: Scattered but cocentrated settlements

Off-grid (mainly Solar home systems): A stand-alone house

Public Vs Private: Compare Banking & Mobile phones

ORGANIZAÇÃO:



APOIO:





What is SEFA

Sustainable Energy Fund for Africa: A multi-donor trust fund administered by AfDB to support small to medium scale renewable energy and energy efficiency projects in Africa.

These are small but clean energy projects that are potentially commercially viable but initial development costs are hinder the projects from accessing financing. The development objective is to support sustainable private-sector led economic growth in Africa through efficient utilisation of presently untapped clean energy resources. SEFA operates under three windows namely:

- *Project Preparation: Grants for development activities from feasibility studies up to financial closure;*
- *Equity Investments: Provides access to early stage capital*
- *Enabling Environment: Provides grants to public sector activities aimed at creating/improving the enabling environment for private sector investments.*

SEFA is also aligned with the SE4ALL Africa Hub which includes support to High Impact Opportunities for Green Mini-Grids

ORGANIZAÇÃO:



APOIO:





SEFA Windows



- ❖ Access to Finance
- ❖ Technical Assistance



- ❖ Policy and Regulatory Development
- ❖ Public Sector Support
- ❖ Capacity Building and Advisory
- ❖ Market Development and Preparation



- ❖ Private Equity Capital
- ❖ Technical Assistance

ORGANIZAÇÃO:



APOIO:





SEFA in Mozambique

A) Promotion of Renewable Energy in Mozambique (under the Enabling Environment Window)

- **Standard Power Purchase Agreements:** Reduction in transaction period
- **Guidelines for grid connection of small RE and Guidelines for Investing in RE:** What happens when the grid arrives; ownership model
- **Tariff Structure and Design for Mini-grids and Technical Regulations for mini-grids:** Co-operative model, light-handed regulation, etc.
- **Environmental Regulations & Standards for Mini-grids:** biomass-based fuels & disposal of solar panels & batteries; impact on flora/fauna for small micro/pico generation plants.
- **Capacity Building:** Usually the private sector is “more informed”

B) Considering a Preparation Grant for a Wind Project

Expected to reach financial closure in last quarter of 2018

ORGANIZAÇÃO:



APOIO:



Q & A.