



Upscaling Mini-grids for Least Cost and Timely Access to Electricity Services

SREP round table

[BENIN]

Myanmar, Feb 6, 2017



Country background

BENIN: West Africa

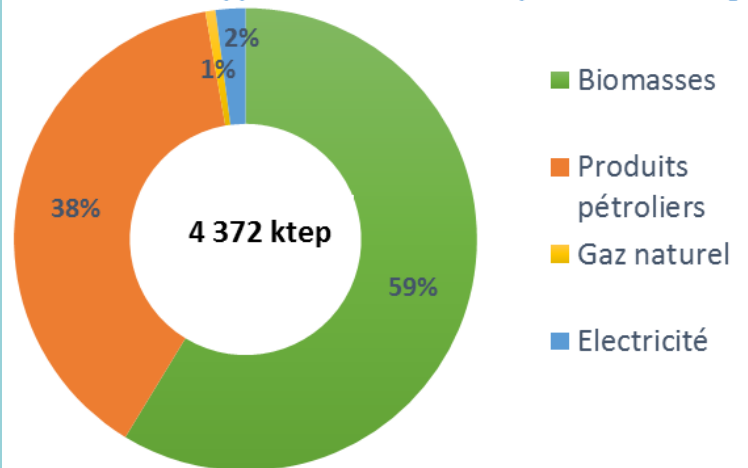
Population (2013): 10 008 749

- Urban : 4 460 503
- Rural : 5 548 246

Energy sector characteristics (2015)

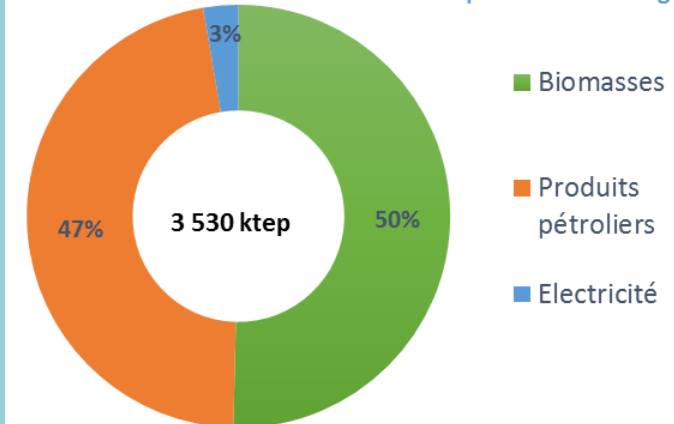
- Energy Supply

Structures des approvisionnements nets par source d'énergie



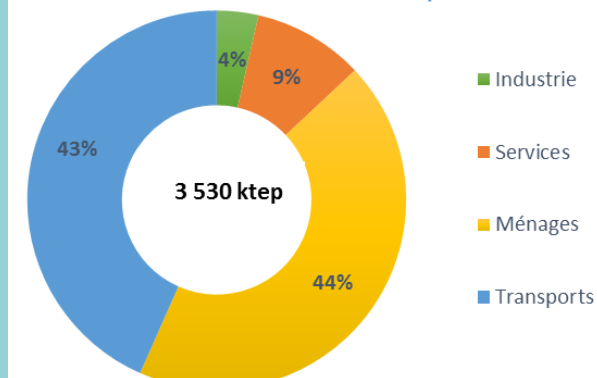
• Energy consumption

Structures des consommations finales par source d'énergie



• Structure of final consumption by sector of activity

Structures des consommations finales par secteur d'activité



• National electrification rate :26,8%

- Urban :55,1%
- Rural :6,8%
- Share of renewable energies: 3,42%
 - Solaire: 0,51%
 - Hydraulic:2,91%



Project outline

1. Project 1: Deployment of Renewable Energies

a. Component 1: Construction of decentralized mini-grids with electricity generating units from renewable energies in 50 localities based on:

- Study concession of rural electrification (World Bank - ABERME)
- Off-grid electrification policy (MCA Benin II)

b. Promotion of public solar photovoltaic lighting in rural and peri-urban areas

- Put in place a set of measures for the sustainability of the projects of installation of solar street lamps recently realized in Benin
- gradually replace conventional street lights with PV solar street lights and existing traffic lights with PV solar lights;
- ensure proper public lighting for the towns, rigorously at the required times (from 19 to 06 hours in the morning) by making it independent of Benin's electricity supply system

2. Support program for the realization of PV solar power stations connected to the grid

- Support the Government and the private developers selected under the "Production of Electricity" component of the MCA Benin II Program and that of the AFD to overcome the main constraints to the large-scale development of independent solar photovoltaic connected installations To the network



Project outline

1. Project 1: Renewable energy capacity building

- a. Component 1: Support to the implementation of a vocational training offer adapted to support investments in the field of Renewable Energies and to improve the employability of trained young people
- b. Support for research and innovation to promote the development of renewable energies



Status

The project is being formulated.



Issues

The problems encountered were political. Indeed, the formulation period of the first project document coincided with the electoral period in Benin.



Questions on moving forward

With the advent of the new regime, a new focal point was appointed and the formulation of the project