

4 PROJECTS AT A GLANCE

Project Sheet for SWITCH Africa Green Programme

BURKINA FASO



WHERE WE ARE IN AFRICA

The overall objective of SWITCH Africa Green is to support 6 countries in Africa to achieve sustainable development by engaging in transition towards an inclusive green economy.

COUNTRY PROJECTS

- UGANDA**
- Upscaling Generation, Commercialization and Utilization of Biomass Waste-based Green Energy Sources in Uganda
 - Demand-side Management of Water Use in Micro, Small, Medium-sized Enterprises in Uganda Through Promotion of Water Use Efficiency Techniques and Practices
 - Demand-side Management of Energy Use in Micro, Small and Medium Enterprises (MSMEs) in Uganda Through Promotion of Energy Efficiency Techniques and Practices
 - Eco-agriculture-sesame Livelihoods and Organic-green Business Opportunities for Young Rural People
 - Promoting Inclusive Green Business Practices in the Tourism Sector
 - Promoting Sustainable Product Innovation and Energy Efficient Practices Among Small Scale Industries in Uganda

- KENYA**
- Greening SMEs Leather Clusters and Leather Tanning Industry
 - Enhancing Sustainable Tourism Innovation for Community Empowerment in Kenya
 - Up-Scaling Sustainable Commercial Production Of Medicinal Plants by Community-Based Conservation Groups at Kakamega Forest in Kenya
 - Capacity Enhancement for Green Business Development and Eco-Entrepreneurship in Agricultural Sector

- MAURITIUS**
- Greening the Mauritian Tourism Industry
 - A Model for Sustainable Production and Consumption Practices and Eco-entrepreneurship Development
 - Increase Capacity Building of The Fisher's Community of Rodrigues Through Training for The Bio Cultivation of the Combaia Lime Plants and Its Chili Paste
 - Promoting Sustainable Local Agriculture Through Green Retail and Green Hospitality (Sus-Agr)
 - National Energy Efficiency Program - PNEE
 - Developing Capacity Amongst Rodriguans to Adopt Green Businesses Through Training To Key Stakeholders and the Development of a Green Business Guidebook

- SOUTH AFRICA**
- Awareness Creation and Capacity Building on Eco Labeling for the Agricultural Sector
 - Meat Naturally Initiative: Embedding Sustainability in South Africa's Emerging Red Meat Sector
 - Collaborating to Facilitate Investments And Shifts To A Green Economy that Can Improve Social Wellbeing and the Provision of Ecosystems Services in the Port Elizabeth Western Catchment Areas
 - Sustainable Production And Commercialization Strategies in The Agrifood Sector In South Africa
 - Management of Sustainable Energy Production from Integrated Waste Management and Agricultural Processing Systems
 - Promoting SCP in South African Agricultural Value Chains

- GHANA**
- Hanisa E-Waste Model (Hemod)
 - Implementing Industrial Symbiosis and Environmental Management Systems for SMEs in Three Regions in Ghana
 - Promotion of Biogas Technologies
 - One-Stop Business And Policy Centre For The Establishment of Eco Innovative MSMEs and Supporting Policies in the E-Waste and End-Of-Life
 - Improved Institutional Biomass Cook Stoves and Ovens for Small and Medium Scale Agro-Processing Industries in Ghana (Renewable Energy Project)

- BURKINA FASO**
- Croupe De Recherche Et D'analyse Appliquées Pour Le Développement
 - Valorisation Des Déchets De La Filière Anacarde Comme Une Source D'énergie Renouvelable Pour Les Pmes Au Burkina Faso (Cashew As A Source Of Renewable Energy For Smes in Burkina Faso)
 - Enabling Burkina Smes To Start Solar Energy Production
 - Transformation Des Déchets Menagers En Fertiliz Agricole (Transformation of Household Wastes into Fertilizer)

MULTI COUNTRY

- Enhancing Resource Productivity And Environmental Performance Of MSmes In 6 African Countries Through The Concept Of Industrial Symbiosis (Is)
- Empowering Business Development Agencies & Nsas To Advocate Sustainable Consumption & Production Practices And Support Eco-Entrepreneurs in Their Development & Transition Towards Green Inclusive Businesses
- Promoting Eco-entrepreneurship In Africa

PRIORITY SECTORS

- MANUFACTURING**
- INTEGRATED WASTE MANAGEMENT**
- TOURISM**
- AGRICULTURE**

CONTENTS

GROUPE DE RECHERCHE ET D'ANALYSE APPLIQUÉES POUR
LE DÉVELOPPEMENT 1

VALORISATION DES DÉCHETS DE LA FILIÈRE ANACARDE
COMME UNE SOURCE D'ÉNERGIE RENOUVELABLE POUR
LES PMES AU BURKINA FASO (CASHEW AS A SOURCE OF
RENEWABLE ENERGY FOR SMES IN BURKINA FASO) 2

ENABLING BURKINABE SMES TO START SOLAR ENERGY
PRODUCTION 3

TRANSFORMATION DES DECHETS MENAGERS EN FERTILEZ
AGRICOLE (TRANSFORMATION OF HOUSEHOLD WASTES
INTO FERTLIZER) 4

BACKGROUND

"NEERE" in the local language means pretty or clean. As its name suggests, the general objective of this project is to contribute to the emergence of cities sanitized / shareholders based on an integrated and sustainable waste management system. At the end of the project, all households educated and subscribers to the new system in place should practice responsible management of their waste. Furthermore, the project should enable the people to have a more pleasant living environment with the removal of at least 60% of piles of garbage and dumps scattered in the cities concerned. This should contribute significantly to improving the health status of populations when we know that garbage is the proliferation of places of mosquitoes responsible for malaria that cause the death of many children and pregnant women in Burkina Faso where it accounts for almost Half [47.6%] of the reasons for consultation, more than half [59.7%] of the reasons for hospitalization and 46.9% of causes of death [Ministry of Health, 2011].

GRUPE DE RECHERCHE ET D'ANALYSE APPLIQUÉES POUR LE DÉVELOPPEMENT

PARTNERS:

Commune de Dédougou, Burkina Faso, 1979, Collectivités territoriale [Administration publique], Commue de Koudougou, Burkina Faso, avant le XVème siècle, Collectivités territoriale [Administration publique]

LOCATION:

Burkina Faso

Budget

 \$ 200,000.00

Timeline

 24 Months

OBJECTIVES

The main objective is to contribute to the emergence of sanitized cities the municipalities Dédougou and Koudougou based on an integrated and sustainable waste management system through establishment of an integrated and sustainable system for the collection, transportation and treatment / recovery of operational waste and equipping of households with capacity for the proper management of wastes.

ACTIONS

- » Equipping field agents with skills and appropriate tools for efficient collection and transportation of waste and sustainable funding mechanism
- » Ensuring that the discharge spaces and waste treatment meet the minimum standards
- » Dissemination of good practices to households and ensuring adoption of good practices on waste management
- » Encouraging awareness and adoption of good practices on waste management
- » Ensuring that waste management related to chemicals and re cycling of household waste are taken into account in the training / awareness campaigns
- » Setting up a functional mechanism for the management / recovery of waste

BURKINA FASO

VALORISATION DES DÉCHETS DE LA FILIÈRE ANACARDE COMME UNE SOURCE D'ÉNERGIE RENOUVELABLE POUR LES PMES AU BURKINA FASO (CASHEW AS A SOURCE OF RENEWABLE ENERGY FOR SMES IN BURKINA FASO)

BACKGROUND

The recovery of waste of the cashew industry [currently about 2 000 tonnes / year, with a potential of 15,000 tons / year] is a sustainable alternative to the use of wood for domestic and industrial needs. Biomass briquettes cashew waste used as domestic fuels in boilers or industries have value non-negligible energy of about 4130 kcal / kg¹¹ while that of such wood is 4018 kcal / kg [Pradhan et al., 2009]. The energy point of view the timber may be replaced by briquettes.

To promote sustainable production systems, the project aims to encourage the use of alternative sources such as fuel briquettes, work with the government to introduce an incentive mechanism, such as a tax exemption of the price of briquettes made from agricultural waste, such as cashew cake, for a specified period as may facilitate the introduction of this alternative for SMEs. This alternative will reduce production costs of SMEs. In the energy chain, this energy source integrated waste management, which contributes to reducing emissions of greenhouse gases.

OBJECTIVES

The main objective is to contribute to the reduction of conventional fuels by substitution of wood with a renewable fuel for SMEs in Burkina Faso through recycling of cashew waste as fuel in the form of briquettes and by the production of thermal energy targeting the SMEs particularly in Bobo-Dioulasso, operating in agribusiness, using conventional biomass for thermal energy.

ACTIONS

- » Develop and optimize the production of briquettes from waste cashew
- » Carry out technical and economic studies on the use of briquettes burning in boilers of SMEs will be carried out.
- » Substitution of wood for briquettes
- » Identification of SMEs interested in substituting wood
- » Development and testing of alternative calculations
- » Dissemination of information about the briquettes
- » Making briquettes accessible for SMEs
- » Analysis of the rational decision-making on the sustainable use of briquettes

FONDATION 2IE

PARTNER:

Stitching Woord en Daad

LOCATION:

Burkina Faso

Budget



\$169,888. 00

Timeline



30 Months

ENABLING BURKINABE SMES TO START SOLAR ENERGY PRODUCTION

BACKGROUND

In the context of Burkina Faso, solar energy is a sustainable alternative to fuel-based electricity production due to availability, lower cost and zero carbon emissions. In the country, solar energy systems are not widely adopted due to barriers like limited awareness, high initial investment combine with limited access to finance.

SMEs do not have insight on their energy consumption patterns and opportunities for cost reduction by solar energy production. This project shall provide a complete overview of options and links interested industries to the right actors, leading to better informed private investments.

PARTNER:
CREDO

LOCATION:
Burkina Faso



Budget
\$200,000.00



Timeline
30 Months

OBJECTIVES

The project aims to introduce a policy framework and showcases demonstrations on the technical, economic and financial viability of investing in solar electricity use among MSMEs. This shall contribute for Burkinabe MSMEs to become more competitive and greener, as their electricity comes from a reliable more cost effective and renewable.

ACTIONS

- » Develop and demonstrate solar energy packages at different scale for SMEs and its financial requirements [in cooperation with an associate Sahelia and Away4Africa] through 15 showcases,
- » Develop and implement theoretical and practical training module for solar energy technicians and service providers,
- » Promote the packages to MSMEs, including financing operations,
- » Perform technical and financial studies and inform policy makers about “net metering” (where the excess energy will be injected as surplus to the national grid, and Sonabel, the electric company will pay)
- » Build the networking platform to attract private investors. The action plans to work initially with 15 MSMEs.

BURKINA FASO

TRANSFORMATION DES DECHETS MENAGERS EN FERTILEZ AGRICOLE (TRANSFORMATION OF HOUSEHOLD WASTES INTO FERTILIZER)

BACKGROUND

Hygiene and sanitation in urban areas is a struggle without respite because of the challenge of the continuous increase in urban dwellers. The increase in population is synonymous with increased household waste. These wastes are also nests of insects, rodents, and reptiles capable of transmitting disease. Note also the unbearable odor caused by rotting garbage affects the daily life of residents.

Proper waste management is an effective way to reduce diseases like malaria, diarrhea and other diseases related to poor sanitation. A reduction in health expenditure improves the lives of households use savings generated or educational expenses and food. It also improves the ratio of the number of inhabitants per doctor is one of the indicators of sustainable human development. The removal of such a large amount of waste brings a sparkle to cities. It also reduces the risk of flooding due to the discharge of garbage in drainage channels rainwater. The project is a solid waste management program for the three urban municipalities Ouahigouya, Gourcy and Titao rural homes in the Northern region of Burkina Faso

OBJECTIVES

The main objective is to collect about 3,000 tons of waste per year and convert it into composts which shall be used by the local growers for cashew nuts to seize opportunities for green development; increased trade and investment nationally and at the counties in green technologies.

ACTIONS

- » Create awareness of over 100,000 people (including 5,000 by direct contact through fairs, conferences, training workshops and promotional days) on the recovery of household waste
- » Waste collection business
- » Sorting out household waste
- » The production of agricultural fertilizer from household waste

ASSOCIATION JEUNESSE SOLIDAIRE POUR LE DÉVELOPPEMENT VÉRITABLE (AJSDV)

PARTNER:

Association Bang N-Tum des personnes handicapées de Ouahigouya
Association Bayiri Malguere du Zandoma

LOCATION:

Burkina Faso

Budget



\$200,000.00

Timeline



30 Months



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