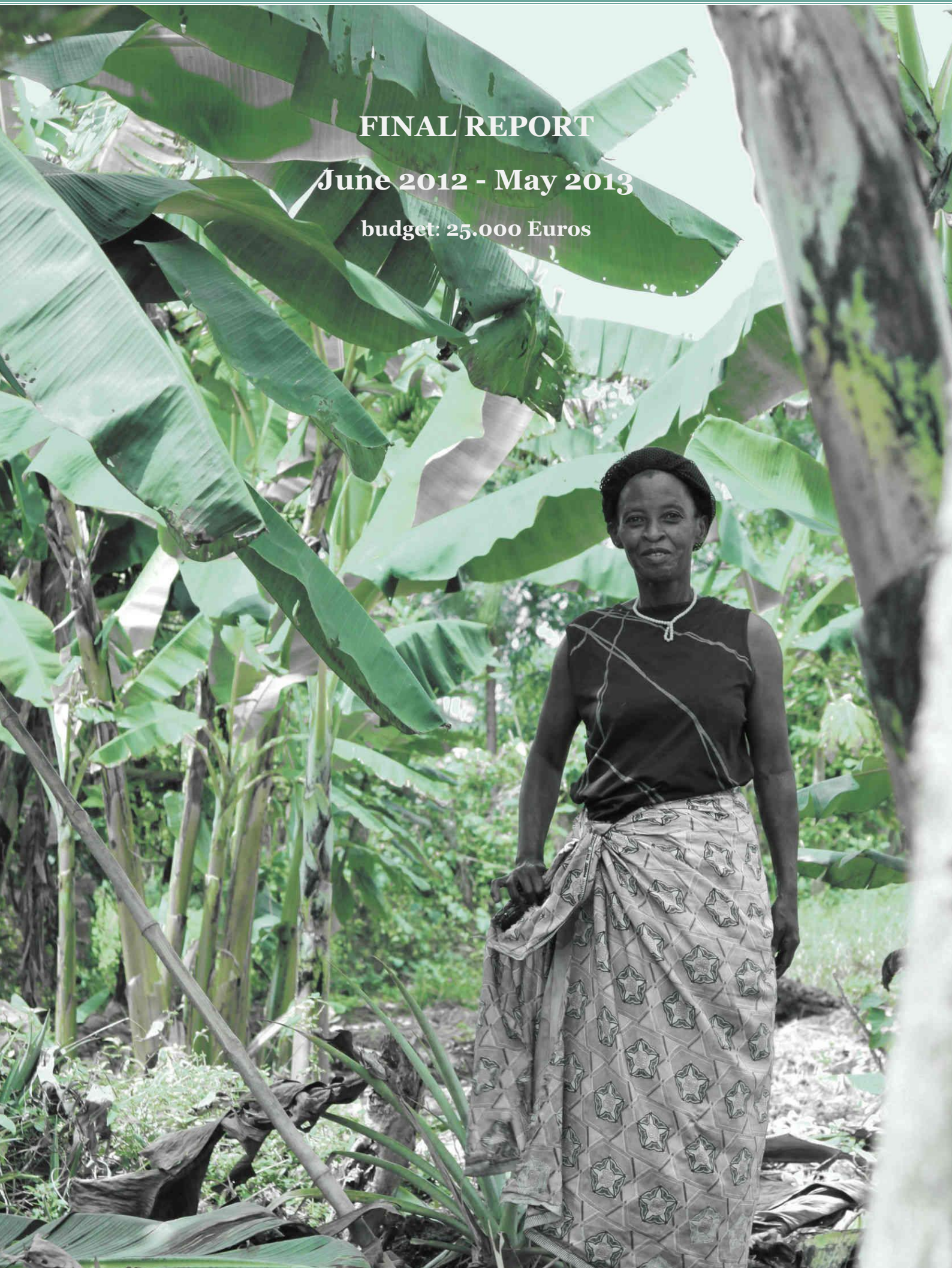


# SSEZIBWA DEMONSTRATION FARM

## FINAL REPORT

June 2012 - May 2013

budget: 25.000 Euros







# SSEZIBWA DEMONSTRATION FARM

## THE PROJECT

Ssezibwa Demonstration Farm (SDF) is a community based organization, born from a group of community members together with Hannington Kakembo, with the aim of improving household income in the community through agronomic practices. SDF is located in the district of Nakisunga Ofua Mukono, in Uganda.

### The situation

In the past times the district of Mukono has been a model for agricultural activity in Uganda. Then, the continuously growing population and the exploitation of the grounds, has brought to a loss of fertility, pulling many families in a precarious situation. Nowadays the infant mortality rate is of 64,85 per thousand children.

### Intervention fields

- Economic responsibility
- Food security and production
- health

Over 185 families chosen in the community, with particular attention to pregnant mothers, elderly people and families with small children, as well as other 10 disadvantaged members (HIV-positive, disabled or widows with family to sustain), has been introduced to economic and productive responsibility processes (empowerment) and thought practical knowledge about how to use natural fertilizers.

### Goals:

After 12 months: emancipation of at least 60 families through acquired economic knowledge and a constant tutorship on the agricultural activity.

### Beneficiaries:

The number of direct beneficiaries is of 782 persons, whereas the number of indirect beneficiaries is of 4.000 persons.

*In the table the detail of the direct beneficiaries:*

Activity	n.	Tipology
Seeds distribution	50	Community members
Training agriculture	100	Community members
Pigs distribution and training	56	Community members
Chicks distribution	100	Pregnant mothers, mothers with small children, elderly people
chicken program	10	HIV-positive persons
Training banana cultivation and crops distribution	66	Families
Energy saving stoves distribution	100	Community members
Solar energy pump	300	Community members
<b>Totale beneficiary</b>	<b>782</b>	



## 1 – ACTIONS

### 1.a farmers training

The farm trained its beneficiaries on how to improve the fertility of the soil through the usage of organic fertilizers made out of wastes from the piggery and chicken dropping. Such organic fertilizers are cheap and very effective.

This training was done and completed at the demonstration farm; there after each of the beneficiaries was encouraged to take the skills back to his family and prepare a family garden to practice the skills learnt from the demonstration farm. Each trained members received between 12-18kgs of improved hybrid assorted seeds which included maize's, soya, cassava stem cuttings beans, ground nuts and peas from the organization to plant in their individual family gardens. The activity has been monitored by a member of SDF until the harvesting period. This particular season has been very good and members will have enough food to feed their families and the surplus will be sold off to earn some income and meet other house hold needs.

### 1.b seed distribution

We identified **50 household members who were trained and received improved seeds**. They planted their seeds and had a very good harvest each of these have already returned the mandatory 5kgs to the demonstration farm to benefit other members next season. At least each member has deposited 200 kgs to the seed bank as surplus production. With the current market price each beneficiary is assured of an additional income of 160,000, which will be equally distributed between the community members.

### 1.c community land

On top of individual household gardens the demonstration farm owns a community garden where members planted maize. From this piece of land the farm together with the community have harvested close to **6 metric tons of stored maize grains**. After the sale all members will become beneficiaries of the gained income.

### 1.d pigs growing

**56 community members different from those assisted before, have been trained to the skills of handling hybrid pigs** for commercial gains. Each of these trained members received two female piglets and they were organized in groups of 5 members and each group received one male piglet. **At the end of the first year the beneficiaries will return two female piglets to the SDF after the first delivery, which will be distributed to further beneficiaries chosen. Like this a self-sustainable cycle is built.** A total of 112 female and 11 male piglets were distributed to the trained community members between July and September.

Since each pig can give birth to 6-10 piglets each beneficiary will expect **an additional income of at least 15-25 Euros/piglet twice every year** since pigs can give birth twice every year. Further on the usage of pig's waste can be turned in organic fertilizers for the own home garden.

### 1.e health

Il programma della SDF a favore delle **madri incinte, madri con bambini sotto i cinque anni e persone anziane**, ha individuato **100 famiglie beneficiarie**. Queste famiglie sono introdotte a semplici tecniche di agricoltura, in cui imparano a piantare verdure in sacchi presso la propria abitazione, in modo da arricchire la loro dieta. Inoltre ogni beneficiario ha avuto **due galline da uova, per la propria famiglia e beneficerà dell'allevamento di pesci della SDF**, attraverso il quale verrà distribuito il pesce nel periodo da giugno in poi.

Infine queste famiglie sono seguite da una nutrizionista che dà consigli ed incoraggia le donne incinte a farsi visitare da dottori specializzati già durante la gravidanza.



# SSEZIBWA DEMONSTRATION FARM

The SDF organization identified 100 families with either **pregnant mothers, elderly or malnourished children under five years**. They were trained on simple methods of planting nutrient vegetables in sack around their homes and after the training the demonstration farm provided seeds. Each of these members also received **two local chickens to lay eggs for the family**. Moreover fish from the community tilapia and cat fish pond will be distributed to better their nutrition.

These families are also followed by a **professional nutritionist** who gives advices and encourages mothers to go for their antenatal to the health during pregnancy.

## 1.f chicken program

The SDF has stocked its poultry farm with **1500 chicken** for eggs, to raise income. **10 community members living with HIV were identified and trained on how to look after this poultry farm**, These people receive a salary and once the chicken start to lay eggs, the organization will also supply all the damaged eggs to them to supplement on their diet. On average the organization will receive not less than 42 trays of eggs on a daily basis **an additional income of 63 Euros per day**.

## 1.g banana gardens

**66 families and trained them on new methods of banana farming**. After the training each of the trained family received at least **15 improved banana suckers**, for the own growing. After eight month with a good season individual banana gardens will bear small suckers and each beneficiary will be required to return 15 suckers from their garden to benefit others.

**After one year moreover, banana growing will be a save food source** to feed their families and sell off the surplus for an additional income.

## 1.h distribution of save energy stoves

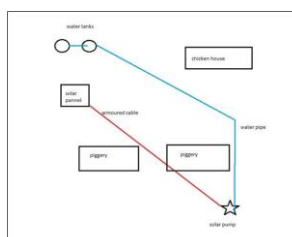
After the single trainings, **100 families were selected, each of these households received one energy saving energy stove**. These stoves save up to 75% of the energy consumed by other cooking methods, and therefore save money otherwise spent for charcoal or fire wood. SDF also distributed **2,000 eucalyptus seedlings** which after two years will be ready to be harvested for firewood.

## 1.i solar pump

**At the farm we installed a solar energy water pump. The energy comes from 8 solar panels of 280 Watts each**, enough to pump the water on the steep grounds. The piggery and the chicken require a 2.000 liters of water a day. The new water pump is able to bring 8.000 liters a day. Like this the community has a save water source, which serves over 300 community members, avoiding diseases connected to unsafe and dirty water sources.

To ensure maximum security of the solar panels, the project managers have raised 3,122 Euros from within themselves to construct a 12 meters high solar tower approximately about 35 meters above the ground level. This has created total safety of the panel's and its accessories, and also serves as a raised 10.000 liters water tank stand, thanks to which water will boost irrigation to the lower gardens by means of gravity.

**Thanks to the new pump, SDF is able to save up to 24.000 Euros monthly, otherwise spent in gasoil.**



*The solar system plant.*



# SSEZIBWA DEMONSTRATION FARM

## 2 – BUDGET

The total amount of the project was 80.210 UGX, more or less **25.000 euro**.

*Detail of the expenses in UGX*

ACTIVITY	Budget	Expenditure	Balance
<b>A. Income generating activities for the community</b>			
A.1 Piglets to distribute in the community	8,400,000	8,364,000	36,000
A.2 Local chicken to distribute in the community	2,000,000	2,000,000	0
A.3 Veterinary drugs for the pigs	1,750,000	1,750,000	0
<b>B. Food production in the community</b>			
B.1 Purchase of improved assorted seeds	2,500,000	1,750,000	750,000
B.2 Purchase of Banana suckers	2,500,000	2,475,000	25,000
B.3 Buy 50 bags of Cassava cuttings	1,500,000	1,500,000	0
B.4 Total transport costs	1,000,000	1,000,000	0
<b>C. Programs provided by the project</b>			
C.1 Purchase of 1 days layer chicks	2,700,000	2,700,000	0
C.2 Chicken feeds for 5months	7,950,000	5,450,000	2,500,000
C.3 Veterinary drugs	1,050,000	1,050,000	0
C.4 Heating (coal) charcol	450,000	450,000	0
C.5 Coffee peel to retain the heat	280,000	280,000	0
C.6 Pigs feeds for 3months (contribution)	2,250,000	1,600,000	650,000
C.7 Stocking of fish	3,000,000	2,500,000	500,000
C.8 Fish food for 8 months	3,750,000	2,500,000	1,250,000
C.9 Energy saving stoves	500,000	500,000	0
C.10 Eucalyptus seedlings		750,000	-750,000
C. 11 Feeds machine and Engine		5,000,000	-5,000,000
<b>sud total</b>	<b>41,580,000</b>	<b>41,619,000</b>	<b>-39,000</b>
<b>D. Solar Water Pump</b>			
D.1 Solar Pump (Grunfos)	8,000,000	8,000,000	0
D.2 Solar Pannels (280 Watts)	11,840,000	11,840,000	0
D.3 Control Panel	700,000	700,000	0
D.4 Armoured Cable	5,400,000	5,400,000	0
D.5 Joint	80,000	90,000	-10,000
D.6 Solar Panel frame	1,500,000	1,500,000	0
D.7 Cover Plate	60,000	60,000	0
D.8 Plumbing fitting	280,000	250,000	30,000
D.9 Lightening Arrestor	550,000	550,000	0
D.10 Labour for Trenching	900,000	900,000	0
D.11 Labour for installation (pump)	400,000	400,000	0



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D.12 First power Batteries 200 AH sealed	5,200,000	5,200,000	0
D.13 12V Solar regulator 40A	500,000	500,000	0
D.14 Triplite Invertor 1250 Watts	1,850,000	1,850,000	0
D. 15 Elecricals	300,000	308,000	-8,000
D.16 Labour for installation (lights)	300,000	300,000	0
D.18 63 MM HDPE pipe PN 6	606,000	600,000	6,000
D. 19 63MM PE COUPLER PN 16	136,000	134,000	2,000
<b>Sub Total</b>	<b>38,602,000</b>	<b>38,582,000</b>	<b>20,000</b>
<b>Total</b>	<b>80,182,000</b>	<b>80,201,000</b>	<b>-19,000</b>
<b>Total in Euros</b>	<b>24.054 €</b>	<b>24.060 €</b>	<b>- 6</b>

DATE	TOTAL SENT	BENEFICIARY
17/08/2012	25.037,50 €	ISP... in Africa onlus

**DONATION'S SOURCE:** the money for this project, has completely been raised through free donations from our sustainers, during the fund raising of the foundation.





# SSEZIBWA DEMONSTRATION FARM

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*Corvara, June 24th, 2013*

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