



Activities carried out from June to October 2018

The report summarizes practical work carried out on the field from March to September 2018, strategic meetings with existing and new partners , Participation in clean cooking investment forum in Kigali. This report is putting emphasis on concrete actions, preparatory work is not discussed in these slides

Activities carried out from June to October 2018

Church and Community Transformation

- 80 local church leaders will be trained on Integral Mission, the training will include the following: Self help group (SHG) improved agriculture techniques, environment protection, advocacy, entrepreneurship

Training local church and community leaders on church and community transformation

80 local church leaders are trained on Integral Mission, the training will include the following: SHG (Self Help Group) and CLA (Cluster level association) concepts, business skills, improved agriculture techniques, environment protection, advocacy, entrepreneurship, loan management, etc.

Training church and community facilitators on Church and Community Transformation

60 local Facilitators are be trained on Integral Mission, the training includes the following:
Effective group facilitation, SHG and CLA concepts, business skills, improved agriculture techniques, environment protection, advocacy, entrepreneurship, loan management, etc.

Training of Community members on effective Rain Water Management and establishment of Rain Water Tanks.

30 selected community members will be trained on effective rain water management, water, sanitation and hygiene; 2 plastic water tanks established.

Solar Home System Project

Planned Activities

- ▶ Evaluation and selection of Solar Home Systems
- ▶ Development of Organizational Structure
- ▶ Development of criteria for benefiting homes
- ▶ Development of guiding contracts
- ▶ Awareness raising/ Capacity building on SHS

Implemented Activities

- ▶ Successfully completed, sun king 120 a product of Ignite Company was selected amongst 25 products supplied by various companies
- ▶ Organizational Structure to easy communication was developed
- ▶ Criteria developed and applied
- ▶ Workshop and Public meetings executed

SOLAR HOME SYSTEM PROJECT

Planned Activities

- ❖ Identification of target regions and target groups
- ❖ Installation of Solar Panels
- ❖ Signing contract with users of solar panels
- ❖ Maintenance and repair on demand
- ❖ Pay back by solar panel users
- ❖ Continuous monitoring

Achieved Activities

- ▶ Four districts identified (Gisagara, Muhanga, Gisagara and karongi, Rubavu and Kamonyi); a database of beneficiaries is already filed
- ▶ 67 solar panels installed (Shyogwe: 34; Butare: 23 and Kigeme : 10)
- ▶ Ongoing
- ▶ Regularly done, we encountered some cases whereby the staff of Ignite Power are hesitating to travel to rural area to put on the system when there is no light. Continuous discussion whenever it occur
- ▶ Total payment made so far 949,400 Rwf
- ▶ The continuous monitoring is done regularly to ensure the project performance

Solar Panel Home System's Evaluation, key findings

The midterm's evaluation of Solar Panels home system project is meant to:

- ▶ Assess the results and effects achieved by the project, referring to the logical framework of the project during this period.
- Assess the effectiveness of the methodological approach used by the project, activities and methods in relation to the expected results.
- Evaluate the difficulties faced in the implementation of the project
- To measure the relevance of the project : effectiveness, efficiency, sustainability and impact
- Discuss strengths and weaknesses and, the manner, they can be tackled

Solar Panel Home System's Evaluation, key findings

- ▶ The project is relevant given it responds to the needs of the communities in off grid areas and beyond that
- ▶ Togetherness of both churches “ EPR and EAR” constitutes a fundamental basis for better performance, also, it has decreased consultancy fees, given it's a joint project implemented by two churches as one implementing body/ efficiency
- ▶ The project fits under strategies of the Government of Rwanda to promote alternative sources of energy for the off grid area
- ▶ The implementing team is well experienced to carryout the work

Weaknesses Discovered

- ▶ Difficult to switch from donor based project to investment based project, for instance: lack of customers in Rusizi and Nyamasheke districts
- ▶ Poor marketing strategies
- ▶ Less abilities to innovate and create
- ▶ Poor recording system: lack of completed family profile for solar panel users
- ▶ Crosscutting issues such as environmental impact, gender dimension , elderly not dealt with

Success stories of the Project



Mr. and Mrs. Theogene BATEGE, Curusi Village

Previously in the night, we relied on one small battery torch for lighting our home. Whenever one person went outside, s/he took the lamp, leaving the other family members in darkness. Now we no longer have such problems



Mrs. Vestine UMUBYEYI, Kamugani Village

It is very nice to enter in a house with light. We also charge our phones here; we now no longer go for search of electricity. It is very good and I wish that many other people get the same opportunity

Carbon Credit Emission Reductions

- ▶ Ordering, purchasing, distributing and installing ICS & CWF
- ▶ Staff review meeting: This has helped to improve the completion of sales agreement with an accuracy average of 96 % which is good compared to March results which was checked and found to be 75%. Other challenges were discussed and addressed
- ▶ Follow up, tracking and maintenance to ensure the stoves in use are properly maintained
- ▶ Marketing of the devices via RDIS social medias, through exhibition which went on simultaneously with the clean cooking investment forum in Kigali from
- ▶ Quality control : Onsite visits to the company for quality check and standards
- ▶ Monitoring and verification & Issuance of Carbon credits.

HOW FAR IS RDIS IN THE PROCESS OF ISSUING CARBON CREDITS ?

From the end of June 2018 was ready for verification exercise, however, due to CDM requirements, the verification is not done yet because of the key specific reasons:

- Other CPAs under Uganda Carbon Bureau PoA are still running behind (ECO TRUST, AID AFRICA,
- Auditor's fees are not affordable for one CPA
- Requirement of verifying the PoA as a whole rather than a CPA

As per our discussion with Uganda Carbon Bureau and Bread for the World, the probable dates for verifications could be in may 2019.



Development of CCER phase two key documents and discussion with investors

- ▶ CCER1 secured working capital by the forward sale of its future CDM/Gold Standard carbon credits
- ▶ Improved stoves are already installed in 4,000 homes
- ▶ We joined an umbrella CDM Programme of Activities (PoA), so that stove users can earn carbon credits
- ▶ Our work is closely monitored by the PoA's staff
- ▶ RDIS Field Coordinators and CCER Enumerators are in regular contact with every household
- ▶ CCER2 is now ready for implementation, using knowledge and skills from phase 1 (CCER1)

Value Proposition

- The CCER2 expansion phase will provide commercial viability for our stoves enterprise
- This will use the lessons and skills developed in CCER1
- We are again looking for financial partners, using the collateral of our CDM/Gold Standard carbon credits
- We need a working capital loan of USD 621,962, repaid in either cash or carbon credits

FINANCIAL PROJECTION

- ▶ We have an Excel spreadsheet model for all our costs and revenues, that we developed during the CCER1 phase. This guides our planning and is updated as our operations provide real data from the field.
- ▶ The new CCER2 phase breaks even in year 4 (2021/22); is cash-positive in year 5; and has a 9-year IRR of 29%
- ▶ 593,000 carbon credits will be generated over 9 years
- ▶ A conservative price of USD14 per carbon credit is used
- ▶ 5% stove drop off rate is assumed
- ▶ Operating costs are projected from our CCER1 experience

OPERATION AND IMPLEMENTATION PLAN

- ▶ Emission Reduction Purchase Agreements (ERPAs) will be signed with new financiers and carbon credit buyers
- ▶ Other types of blended finance will be explored
- ▶ For the next 9 years, 1,000 new households each month will have a 2-burner stove installed and will be added to our database to earn carbon credits
- ▶ There will be an annual issuance of carbon credits by the CDM - these will be labeled by the Gold Standard
- ▶ The use of the stoves will be tracked by our teams and will be maintained back to 'as new' condition each year
- ▶ Net carbon revenues will be shared with all households

WASTE MANAGEMENT PROJECT



PROJECT'S GOAL

To improve waste management practices through a participatory process where all key stakeholders contribute to developing and implementing actions to reduce domestic waste through practical, cost effective and sustainable methods.

- ▶ How?
- ▶ 1. By raising awareness of the managers and personnel of church training centers, guest houses, schools and health centers whose responsibilities include hygiene and sanitation.
- ▶ 2. By equipping the more frequented places of the church with special waste bins for separating degradable and non-degradable waste.
- ▶ 3. By introducing waste management policy and practices to own institutions.
- ▶ 4. By showing examples or best practices of waste management

RAISING AWARENESS

Conduct workshops to managers, personnel of Church owned institutions and **in particular the youth** in collaboration with the district council



Participate in international actions and initiatives, e.g. this year's theme for World Environment Day on **5th June 2018** was **"#BeatPlasticPollution"**, **UEM Youth Climate Action Days**, etc. Use media, Internet, fliers, rollup banners.



2. Supply special waste bins / Apply the 4R principles of waste management

Supply special waste bins for separating degradable and non-degradable waste



Encourage people to apply the four R principles of cleaner waste management

- Reduce 1 Changing our behaviour
- Reuse 2 Reusing material
- Recycle 3 Recycling and reprocessing materials
- Recover 4 Recovering energy
- Landfill 5 Targeting **zero landfill**

Segregation is important because: If the waste is not separated properly, it all gets mixed up in landfills.

THE PRACTICAL ACHIEVEMENTS

- Designing a waste bin and distribution
- Distributing 8 of 5 cubic meters water tanks to church institutions
- Development of pull up banner, fliers
- Waste management policy management developed
- Training of managers of church institutions on

Tree nurseries Project

We are raising seedlings in 5 tree nurseries in Rusizi and Nyamasheke district. This year June 2018 to February 2019, we are numbering 170,000 seedlings of fruits trees, agro forestry trees and forest trees in a lower percentage.

For sustainability and quick maturing purposes , 2000 seedlings are to be grafted, so far 400 fruits trees are already grafted. The grafted trees will be sold to individuals and institutions willing to plant quick maturing trees.

Tree nurseries Project

- ▶ Rehabilitation and construction of tree nurseries
- ▶ Awareness creation via community meeting and stakeholders meetings
- ▶ Site visitation with Rwanda Aid personnel to precisely decide where tree nurseries are to be located
- ▶ Purchasing seeds, manure, trees and other materials
- ▶ Sowing seeds , watering , relining, maintenance
- ▶ Recording figures in the book to be assured the exact number each nursery
- ▶ Distribution of seedlings to members of the community



Tree grafting and seeds' sowing



House Building Project

Two homes have been built for two families living in the deplorable homes

Activities were implemented including meeting with local partners to raise the project awareness, identification of beneficiaries, selecting and contracting with builders, monitoring, follow up and supervision of the activities as well as inauguration of the constructed houses

A meeting with local partners was of paramount importance in order to insure their ownership and the sustainability of the project. As part of the local contribution, community members, benefiting households and the church provided mud bricks, almost the required lands on which houses are built, some trees and labour during leveling and transporting of stones and trees.

**Former home of Mrs.
Brigitte BYUKUNSENGE
and her husband**



***The above picture shows RDIS Field
Coordinator explaining to the audience how
the house has been constructed/
Inauguration Ceremony***

strategic meetings with existing and new partners , Participation in different forums and Follow up workshop

For the sake of visibility, sustainability and attraction of big investors, development agencies and public institutions, RDIS actively played a key role in the aforementioned events:

**Investment Forum Sida-PFAN Initiative for Climate & Clean Energy Financing
29-31st May, 2018
Villa Rose Kempinski Hotel :**

RDIS is was described as an exceptionally promising clean energy investment opportunity which, PFAN will support further to help us to secure funds for the implementation of CCER phase 2 programme. At the end of the competition, out of 16 applicants, only nine companies and one organization which is “ RDIS” were selected. So the number of successful applicants is 10.

In term of households, CCER phase 2 is CCER phase one, times 16 (108,000 HHs).

Investment Forum Sida-PFAN Initiative for Climate & Clean Energy Financing 29-31st May, 2018 Villa Rose Kempinski Hotel



Clean Cooking Investment Forum

- ▶ The forum brought about 350 participants (investors, development agencies, international organizations and project developers) from 40 countries around the world. It was held in Kigali Convention Centre from 5-6th November, 2018.
- ▶ Two events were organized simultaneously “the forum and the exhibition” Eng Richard Madete and Mr. NTARINDWA Viateur participated in the forum whilst Mr. Ansgar Utrata, Mrs. UWAMAHORO Jeannine and Mrs. TUYIZERE Claudette participated in the exhibition where they had to answer questions of people from different countries “Government officials, private sectors , international organizations and so forth)

Products in the exhibition



Benefits in the participation

- ▶ Strategic contacts and conversations with national and international role players such as Fair climate Funds “ Director and the head of Finance” ; the CEO of Rwanda Energy Private Developers, Mr. KABAREBE Sunday, etc.
- ▶ A day after the Forum, we welcomed the staff of Fair Climate Funds and we shared about our CCER phase 2, an overview about RDIS projects were provided, a field visit was conducted. RDIS was asked to share the business plan and budget for CCER phase 2, and, the organization will comment on, for better improvement. However, upfront funds can only be secured when the first verification of CCER phase one is done.

Follow up workshop on the Role of the Church in addressing climate change issues

The United Evangelical Mission (UEM) - African Region - organized a follow-up workshop on the Role of Churches in Addressing Climate Change with an exposure visit to RDIS's environmental protection projects in Rwanda, from 14th to 16th November 2018

More than 25 participants from the 6 Churches shared about their actions and projects (achievements, challenges and further recommendations) for Environmental Protection in the past 2 years as a follow-up workshop on UEM Recommendations for Climate Change, which were endorsed by UEM leaders in workshops that were held in March/2016 and September/2016 in Nyamata Rwanda and in September/2017 in Dar es Salaam.

- ▶ RDIS was given opportunity to share with participants what is done in the area of environment and climate change mitigation, such that other UEM member Churches can learn from. Waste management, solar panels, carbon credits and tree nurseries' projects were presented

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THANK YOU FOR YOUR ATTENTION

MR. VIATEUR NTARINDWA

RDIS Executive Secretary