

PPP Project No	
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(To be completed by Wilde Ganzen only)

# SMALL PROJECT Wilde Ganzen-ICCO

## Project application form (Mini)

Project's name	Solar Cooking Pilot Project
Country <small>(only projects in DAC-countries; in case of doubt, please contact Wilde Ganzen at tel. nr. +31 35 6251030)</small>	Uganda
Applicant's name	Solar Connect Association (SCA)
Dutch partner's name	Foundation Solar Cooking Netherlands (SCN)

Please e-mail completed form to:  
[Info@wildeganzen.nl](mailto:Info@wildeganzen.nl)

And mail a signed paper copy to:  
 Wilde Ganzen  
 Heuvellaan 36  
 1217 JN Hilversum  
 The Netherlands

Date: .....December 14, 2006.....

**Please sign after completion of the application form**

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**NAME OF THE ORGANIZATION (+ STAMP)**  
**DATE** .....

**SIGNATURE** .....

**NAME** .....

**FUNCTION** .....

# I. THE PROJECT

## 1.1 Title

Solar Cooking Pilot Project - Uganda

## 1.2 Place

Give the name of the country, the region(s), city (cities), town(s), and/ or village(s) where the project will be implemented. Include a (copy of) a map of the project area, indicating the area/places where activities will take place, as Annex I to this application.

The project is located 300 km from Kampala City, Uganda in the M. District . The project activities will be focused in the following locations, situated in the vicinity of Mbarara City, the capital of Mbarara District:

- O. settlement (refugee camp for refugees from Rwanda)
- K. village
- R. village
- B. village

## 1.3 Duration

The duration of the project will be 12 months  
Planned starting date: 01 / 01 / 2007

## 1.4 Objectives

Please describe the objective of the project.

1. Promotion and training of local people to adopt solar energy and other sustainable energy sources for cooking purposes.
2. Promotion and training of local people to use solar energy for water pasteurization.
3. Promotion and training of local people for using solar energy for income generating activities such as food processing.
4. Creating awareness on the sustainable use of natural resources and a reduction of deforestation through the use of solar cookers and efficient wood stoves.
5. Participation by SCA in public promotion campaigns, like trade fairs and agricultural shows.
6. Enhancing the integration of appropriate technologies into the programmes of other NGOs that support conservation of natural resources, e.g. through the introduction of wood or charcoal efficient stoves.
7. Strengthening the SCA organisation and taking measures to turn SCA into a completely independent and self-supporting organisation.

## 1.5 Justification of the project and description of the target group

Please provide the following information:

### a) identification of the needs and constraints of the target group(s)

Practically all of the targeted population in the project area use firewood or charcoal for their daily cooking purposes. Because of an increased deforestation in the region people have difficulties in collecting firewood. They are forced to walk long distances to collect firewood, taking the risk of being attacked by criminals or wild animals, or they are forced to buy firewood or charcoal from local traders. These practices lead to a further increase in the ongoing process of deforestation and threats to the conservation of nature.

Using solar energy for cooking purposes will at least part of these indicated problems. The CookKit, a simple and cheap device for solar cooking, has demonstrated that also poor people can get access to solar technologies for cooking. In combination with other energy saving devices, such as a hay basket and a wood efficient stove, one will save a lot of time and money using these cheap and appropriate technologies. Using solar energy for water pasteurization will also reduce the existence of water borne diseases and lung diseases caused by an excessive inhalation of smoke.

**b) description of target groups**

social category and economic situation	Peasant communities
age group	Over 20 years of age
estimate of anticipated number of direct beneficiaries (give a approx. number)	2,080 households in targeted villages
Gender what percentage of the direct beneficiaries are women/girls? (in % )	Women 90%; men 10%
location what percentage of the direct beneficiaries live in a rural area and what percentage in an urban area? (in %)	100% in rural areas

**1.6 Detailed description of activities**

Describe the concrete activities that will be undertaken to achieve the objectives of the project, and number them, starting with '1' (for instance in the case of a training project: '1. construction of a training hall'; '2. training of trainers'; '3. training of village groups'; 4. 'purchase of equipment'; etc.). Please give the starting and closing date of each activity.

<p><b>1. Field activities in the following locations:</b></p> <p>K. village:  Participating households: 640  Number of groups: 32 (average of 20 persons per group)  Number of instructors: 4 (each instructor serving 8 groups)</p> <p>R. village:  Participating households: 480  Number of groups: 24 (average of 20 persons per group)  Number of instructors: 3 (each instructor serving 8 groups)</p> <p>B. Village:  Participating households: 480  Number of groups: 24 (average of 20 persons per group)  Number of instructors: 3 (each instructor serving 8 groups)</p> <p>O. settlement (refugee camp):  Participating households: 480  Number of groups: 24 (average of 20 persons per group)  Number of instructors: 3 (each instructor serving 8 groups)</p> <p>In the locations the following activities will be organised:</p> <p>1.1 Organisation of "Introduction of Solar Cooking" workshops for groups of participating households in target villages (during February and march 2007).</p> <p>The workshop lasts 3 days. The first day is normally spent on awareness creation and introduction to solar based technologies. The second day is usually spent on training on how to use solar cookers and driers for domestic and commercial activities. The third day is spent on training on how to manufacture, repair and maintain the Cookit and other solar based cooking devices (hay baskets, driers, cooling systems based on solar energy).</p> <p>1.2 Organisation of "Follow-up Training/Collective Cooking" sessions for groups of participating households in target villages (starting in April 2007 and held once a month for each group).</p> <p>During these sessions the group members will exchange their Cookit experiences and learn how to cook new dishes, using local food. They collect recipes, learn how and why to pasteurise water, have discussions about changing habits and cultural patterns and get information about solar drying of fruits, nuts, herbs and vegetables. Finally the first principles of micro credit are explained and related</p>
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to the possibility of paying for a CookKit in instalments.

### 1.3 The organisation of “Quarterly meetings of instructors” and “Training of instructors” sessions for instructors at the District office.

During these quarterly meetings the instructors will exchange their instruction experiences in their respective communities. The District Manager will be the chairperson of these meetings and will also use the occasion to arrange certain administrative matters (collection of field reports, making arrangements concerning the payment of instructor’s allowances, etc.). The meeting will last one day. The first and the third quarterly meeting will last one day longer and will have the character of a Train the Trainers session. The instructors will be taught how to promote solar cooking in their areas as well as how to train others on how to make and use the CookKit and other solar cooking devices.

## **2. Re-design and printing of SCA brochure/leaflets and training materials**

The existing promotion and training materials will have to be reviewed in the light of new approaches and insights. Foundation Solar Cooking Netherlands will assist SVA in this matter.

## **3. Subsidy of CookKit materials and Revolving Loan Fund**

Efforts will be made to improve the quality of the CookKits. The present SCA policy is that SCA supplies the materials for making a CookKit to the village communities. Subsequently the instructors show the villagers how they can produce their own CookKit. This is in itself a good approach because it stimulates community involvement and a sense of ownership. However, the quality and durability of the CookKits thus produced is still a matter of concern. SCA will make an effort to acquire materials of better quality and Foundation Solar Cooking Netherlands will assist SCA to find a way of how to improve the actual production process of the CookKits by the local communities.

Up till now all materials for making a CookKit are given for free to the communities. This policy will be revised, because it is in conflict with the future sustainability of CookKit production. The estimated price of materials to produce a better quality CookKit is Ush. 10,000 (Euro 5.00). It was decided that initially the future users of these better quality CookKits will be asked to pay Ush. 6,000, either in cash or in instalments. The remaining amount of Ush, 4,000 will be subsidised. Over a period of say 4 to 5 years this subsidy will be gradually reduced.

## **4. Fund for the promotion of solar energy related income generating activities**

A small fund (Euro 2,000) will be established for the promotion of income generating activities, like food processing, using solar energy.

## **5. Activities at district level**

The field activities will be coordinated at district level by the District Manager. At the moment there is still a vacancy for this position and efforts will be made to find a suitable person at shortest notice. Also a small office will be installed in M. City, the capital of M. District. The District Manager will coordinate and supervise the field activities. He or she will give guidance to the instructors, will analyse all field reports and, if applicable, take necessary action. He or she reports to the Project Coordinator at the SCA head office in Kampala.

## **6. Activities at national level (SCA head office)**

Presently SCA is running a small office in N., a suburb of Kampala City. The office is strategically located along one of the main roads leading to Kampala City centre. For the current activities the office is playing a key role in the coordination of all field activities. The staff of the SCA head office consists of the Director of SCA, Mr. K. M, The Project Coordinator, Mr. M. S. and the Secretary/Trainer, Ms. O.K. The Director Mr. M. is actively involved in policy formulation, the generation of project proposals, annual work plans and budgets. He is also the initiator of local fund raising campaigns and maintains a network of national and international solar cooking contacts. The project Coordinator is responsible for most of the administrative work that has to be done in relation to the projects undertaken by SCA. He supervises the work that is being done by the District Manager.

Finally the Secretary/Trainer is besides her secretarial work active as initiator of all training activities of SCA. She is also responsible for keeping the SCA promotion and training materials up to date.

## 1.7 Expected results

Please give precise details and quantify the results as far as possible (e.g. number of individuals trained; number of water bore-holes constructed; increase in vaccination coverage from % to .. %; etc.). Relate the results to the activities described under paragraph 1.6, using the same numbering and titles.

1. 2,080 Participating households use the CookKit and a hay basket at least 2 times per week during the dry season.
2. 2,080 Participating households use the CookKit regularly for water pasteurization.
3. At least 50 participating households have been trained in the use of solar energy for income generating activities.
4. Participating households have generally adopted the habit of using wood efficient stoves during the raining season or during periods when there is no sunshine.
5. At least 3 times SCA has participated in public promotion campaigns.
6. Contacts have been established and cooperation agreed with NGOs that support the conservation of natural resources to implement joint activities in the targeted villages.
7. A programme has been formulated and detailed steps have been taken to gradually decrease the dependence of SCA on outside aid, thus over the years turning SCA into an independent and self-supporting service organisation.

## 1.8 Sustainability

a) Please describe how the activities and/or the management structure will be funded after the financing ends?

During the pilot project period steps will be taken to try out a system whereby SCA will distribute materials for the production of CookKits by local communities. Initially these materials will be subsidised, but gradually the subsidised amount will be decreased over a period of say 5 years. After that period the materials for producing CookKits and other solar cooking devices, like parabolic cookers, will be sold to the communities and individuals at cost price plus a small margin. By that time the accumulated margins should be sufficient to cover all overhead expenses of the SCA organisation. Another future potential source of income of SCA could be income derived from the provision of consultancy services to parties interested in adopting solar energy for cooking and income generating purposes.

During the pilot project period SCA, with the assistance of Foundation Solar Cooking Netherlands, will continue to look for funds from interested donor agencies to bridge the period between the pilot project stage and the period of sustainability of the SCA organisation.

b) Please describe who will be responsible for continuing and managing the activities once financing has come to an end, the local partner/ target group/ other body?

The management of SCA.

## 1.9 Budget for the project

Provide a budget for the total duration of the project. In case the duration of the project is longer than 12 months, please provide a budget for each year of the project period.

### Field activities

Introduction of Solar Cooking workshops in target villages (3 days each)	Euro 3,425
Follow-up Training/Collective Cooking sessions (one day/month)	Euro 1,995
Quarterly meetings of instructors and training of instructors	Euro 465
<b>Total Field activities</b>	<b>Euro 5,885</b>
Re-design and printing of SCA brochure/leaflets and training materials	Euro 1,685
Subsidy of CookKit materials (Euro 2.00 x 2,080 CookKits)	Euro 3,805

Revolving Loan Fund	Euro 5,485
Fund for the promotion of solar energy related income generating activities	Euro 1,825
District office expenses	Euro 3,955
Head office expenses	Euro 15,650
Total budget	Euro 38,290
<b>Note: The budget must be drawn up in EURO</b>	

### 1.10 Coverage of the project

Give the respective amounts of the various different contributions that will cover the budget

<b>Total amount</b>	<b>38,290</b>
Own contribution (only cash contribution, do not include contributions in kind)	..... 4,000 EURO
Contribution of other donors (name them)	0 EURO
<b>Requested contribution from Dutch Partner<sup>1</sup> fundraising and Wilde Ganzen - ICCO.</b>	<b>.....34,290 .....EURO</b>

(Wilde Ganzen and your Dutch partner organisation together decide on fundraising and the division of the requested contribution)

<sup>1</sup> The Dutch partner organisation here must be the same as on page 1

## II. THE APPLICANT

**Only to be completed by the organisation implementing the project.** The applicant is the project implementing organisation in a developing country or in Eastern Europe.

### 1. Basic data

Full name	Solar Connect Association
Acronym (where applicable)	SCA
Date established	1994
Nationality	Uganda
Legal status (including official registration number, where relevant)	NGO (S.5914/1372)
Official address	P.O. Box 425, Kampala
Visiting address	N., H., Nasana
Person responsible for this project	Mr. K. M.
Contact person for this project	Mr. K.M.
Telephone n°	
Fax number	
E-mail address	
Type of organisation <sup>2</sup>	Membership organisation
Identity <sup>3</sup>	Secular
Specify the political, social or cultural identity or background	The organisation is non-political, non-profit making and promotes solar energy to cook food.
Main objective(s) of the organisation	Use the power of the sun to cook food and pasteurise water for the benefit of the people and the environment.

### 2. History of co-operation with the Dutch partner

Please describe how the contact was established; since when you co-operate.; and what kind of support you receive from your Dutch partner (maximum half a page)

The cooperation with Foundation Solar Cooking Netherlands started in July 2006 when we met Mrs. Clara Thomas at a solar cooker and food processing conference in Spain. We explained to her the problem of deforestation in Uganda and our wish to cooperate to promote solar cooker dissemination and use in rural areas where women face acute firewood problems. Foundation Solar Cooking Netherlands visited our proposed project site in Mbarara district and saw for themselves the urgency

<sup>2</sup> Choose between: grassroots organisation, service organisation, intermediary support organisations, membership organisation, network organisation

<sup>3</sup> Choose between: Buddhist, Christian: *Protestant, (East) Orthodox, Roman Catholic* or a combination of these, Islamic, Other, Secular.

for cooking problems women and girls face as well as the extensive deforestation that has taken place. The people from the Netherlands promised to support solar cooker promotion and adoption in the targeted areas in the coming year of 2007.

### 3. Description of the applicant Maximum one page.

#### 3.1 When was your organisation set up and when did it begin to operate?

Solar Connect Association (SCA) is a local Ugandan NGO involved in the conservation of forests through the promotion of solar cookers, solar dryers, hay baskets and other energy saving devices like wood efficient stoves. We train people, especially rural women, how to make and use solar cookers as well generate some income from activities related to the use of solar energy devices locally made. SCA was formed in 1994 and has promoted solar cookers and dryers for the past 12 years.

#### 3.2. What is the relation of your organisation with the target group?

We are partners in conservation of the environment through the use of solar cookers and solar dryers. The target group expressed their problems relating to firewood scarcity and invited our association to alleviate the problem through teaching them how to make and use solar cookers and other energy saving devices.

#### 3.3. What are the main activities of your organisation at present?

- Promoting the use of solar cookers amongst women in Western Uganda where the need is high due to serious deforestation.
- Train instructors
- Conduct awareness campaigns

### 4. Capacity to manage and implement projects

Please describe your experience with similar projects.

SCA has successfully implemented a solar cooker and solar dryer project in the districts of Kibale and Kasese in the Albertine Rift in Western Uganda to the satisfaction of the beneficiaries and the donor, the World Wide Fund for Nature (WWF), Switzerland. We also successfully implemented a similar project in Eastern Congo (Virunga-Beni) that was sponsored by the Fondation Lord Mickelham of Hellingly and the McArthur Foundation.

### 5. References

Please give the names, addresses, telephone numbers and e-mail accounts of persons who can be contacted by Wilde Ganzen for reference purposes.

Mrs. Beverly Blum, c/o Solar Cookers International, 1919 21<sup>st</sup> Street, Sacramento, CA 95814, USA  
e-mail: [info@solarcookers.org](mailto:info@solarcookers.org)  
Mrs. Wietske Jongbloed, KoZon, the Netherlands

### 6. Bank details

The bank must be located in the country where the applicant is registered, unless there are good reasons for a different choice. This should be explained here.

Account name	Solar Connect Association
Address of organisation	
Account number	
Bank code	
SWIFT code	

Bank name	
Bank address	
Name of signatories	1. Mrs. 2. Mr
Position of signatories	1. 2.

**Checklist of annexes**

Before sending off your **signed paper copy** of your application, check carefully if it is complete and correct.

- A map of the project area
- The statutes of the applicant organisation
- The project proposal signed by the applicant organisation
- Statement of official registration of the applicant organisation
- Annual report of the applicant organisation for the last year
- Balance sheet and operating account of the applicant organisation for the last year, preferably audited
- To support your budget, please send a copy (if applicable), of the permit to build, construction plans, budget made by contractor, proforma invoices, etc.