



**Solar Cooking
Foundation
The Netherlands**



Annual Report 2011

Solar Cooking Nederland in vogelvlucht



Solar Cooking Foundation The Netherlands (SCN) has implemented 'Solar Cooking' projects in East African countries since 2004. First in Eritrea and at present in Uganda and Ethiopia. These Solar Cooking projects have from the very beginning been financed by truly faithful support from a large group of private persons and a number of foundations, banks and businesses



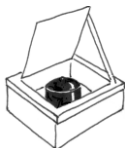
During these many years, Wilde Ganzen has backed our projects with a substantial 75% bonus and since 2011 with a 55% bonus. Wilde Ganzen is SCN's most important Dutch partner. We are particularly grateful for Wilde Ganzen's constant support that enabled us to set up the new 'Kampala' project in Uganda.



In 2011, SCN has focused on creating a new vision and methods in the project countries Uganda and Ethiopia. The all-encompassing objective from 2004 to 2007 was to introduce the Solar CookKit. As of 2007, all programmes focus on Integrated Solar Cooking (ISC). This is a set of sustainable cooking appliances: the CookKit, the Solar Box, the hay basket and wood-saving cooking appliances. The main objective is for a household to reduce as much as possible its use of wood as fuel all year round. That is to say not only when the sun shines but also when it is cloudy or when it rains which happens often in African countries.



The production and distribution of cooking appliances take place on site. There are no imports from abroad with the exception of aluminium foil, which is provided by Flexibel Packing free of charge.



The first years SCN heavily subsidised the purchase of cooking appliances. As a result it became very difficult to sell the cooking appliances at real cost. Indeed, to provide cooking appliances free of charge or heavily subsidised, spoils the market. SCN does not provide cooking appliances free of charge, the introduction of Solar Cooking in refugee camps being the exception. This is emergency aid.



In 2011, SCN changed its policy definitely from a charitable to a business-oriented project approach. This implies that a project proposal is accompanied by a business plan. This in return results in an action plan that constitutes the project implementation guidelines. A lot of effort has been put into SCN's restructuring from project coordinator to advisor. Responsibility lies with the local NGO partner. SCN assists financially and provides technical support upon request. In October 2011, HoA-REC/N started, in consultation with SCN, the recruitment procedure for an SCN representative in Ethiopia.



Delicious meal!

In this Annual Report, we give an outline of SCN activities in 2011 as well as an account of choices made and funds spent.

Clara Thomas

Twenty Sustainable Solar Cooking Energy Centres in Ethiopia

Since 2009 SCN has been involved, through the HoA-REC/N department of Addis Ababa University, in the development of the Renewable Energy Technology (RET) and Energy Efficient (EE) Project for Rural Households that is co-financed by the EU.

In July 2010, SCN agreed to a financial contribution of € 9,760 per year for the duration of the project (2012-2015). Since then, extensive communication has taken place with HoA-REC/N on the shape and content of their collaboration, SCN's role and involvement in this EU project and its advice on the elaboration of business plans.

In February 2011, HoA-REC/N invites Henk Crietee and Clara Thomas of SCN to hold a series of training sessions on ISC Social Business for a number of participating NGOs. In August 2011, the European Commission gives its formal approval for the project and HoA-REC/N starts its preparations for the execution of this large-scale project: the appointment of project staff, the signing of collaboration contracts with all partners (in total 10, including SCN), the drawing up of action plans, and the terms of reference for the National Steering Committee, etc. Districts and responsible NGOs are selected.

The 20 RET / EE centres are allocated among the districts of Tigray and Amhara in North Ethiopia, and Oromiya in South Ethiopia. Solar Cooking is part of production, marketing and distribution in all centres.

In October 2011, HoA-REC/N organises a four-day working conference in Debre Zeit for all participating organisations.



All participants give presentations of how their specific expertise will be applied in the RET / EE Centres (SCN for solar cooking, SNV for biogas, GIZ for wood-saving cooking appliances). In its presentation, SCN emphasises the importance of an integrated approach, public information and marketing on the one hand and local production and distribution on the other, whereby Social Business principles are applied from the very beginning.

A lot of attention is paid as well to the project's organisational structure and the responsibilities of HoA-REC/N and all its partner organisations.

In October, HoA-REC/N indicates that there is a serious need for an SCN representative on HoA-REC/N's project team. SCN fully supports this idea and after

Consultation, an ad is placed in the local newspaper in December 2011. In February 2012, Fikirte Regassa Beyene is appointed as Integrated Solar Cooking Project Officer, which enables SCN to concentrate more on its role as advisor.

HoA-REC/N takes on the management and coordination of the RET / EE Centres. SCN, in its advisory capacity, provides technical assistance and co-finances (on a modest scale) the whole project.



Fikirte Regassa Beyene



Training Integrated Solar Cooking in 2011 focused mainly on the elaboration of a Social Business Plan. On the photo left Henk Crietee and Clara Thomas

Solar Cooking in the Kobe refugee camp

In the course of 2011, the idea emerges to see if the refugee camps in South East Ethiopia are open to the introduction Solar Cooking.

*Refugee camp in
West Africa with
CookKits from
KoZon*

*(photo
Derk Rijks, KoZon)*



During the same period, the Foundation ZOA Refugee Care The Netherlands contacts SCN. SCN in turn approaches the ZOA Refugee Care organisation in Addis Ababa with very positive results. In December 2011 starts a qualitative survey into the cooking and eating habits of dozens of Somali and Ethiopian families. The data will be presented in March 2012 to ZOA International, UNHCR, SCN and PISDA. The size of the pilot project will be based on these results. In March 2012, ZOA-Addis will organise in any case a ten-day Solar Cooking introduction held by PISDA. After careful reflection, the introduction includes the following cooking appliances: the Solar CookKit, the Solar Box, the hay basket and a number of parabolic cookers for the schools in the camp. Wood-saving cooking appliances are already abundantly available. SCN arranges for the dispatch of rolls of aluminium foil, instruction materials for illiterate persons and provides technical advice.

*PISDA provides
training in the
refugee camp*



In addition to solar cooking a reforestation project

In 2011, SCN started collaboration with the NGO Anceda in the district around the town of Arsi Negele (South Ethiopia). Anceda is a partner in the EU RET/EE project and implements Solar Cooking. For many years now Anceda has focused on reforestation and indicated in 2011 an interest in starting the planting of Moringa and Jatropha.

Oil can be extracted from the *Moringa Oleifra* and *Jatropha* seeds and nuts, which is used as fuel for daily cooking.

Since Solar Cooking and the planting of these crops serve the same objective (to stop deforestation), SCN immediately approves Anceda's project proposal in December 2011. Sixty families will be trained in 2012 in the development of Moringa and Jatropha plantations. Everything on a small scale and for local use.



Moringa Oleifra. (above)

Moringa is a fast-growing plant that needs little water. The leaves are very nutritious and have medicinal value.

Jatropha grows fast in desert soil.



Jatropha (left)

Jatropha nuts (below)



www.miracletrees.org; www.jatropha./documents.de

ISC Awra Amba not yet off the ground

In its 2010 Annual Report, SCN referred to the ISC project in Awra Amba in North Ethiopia. This project is part of HOA-REC/N's large Renewable Energy project in collaboration with a dozen NGOs. The project is co-financed by the EC. During the preliminary stage, HoA-REC/N invited SCN to hold ISC Social Business training sessions. The sessions took place in three districts, including Awra Amba. Participants were very positive and 'ready to start'.



L: CookKits are transported to the training location; R: training participants

HoA-REC/N then designates the locations for the EU project and to SCN's surprise does not include Awra Amba. SCN is informed of this decision during the HoA-REC/N working conference in October 2011. Immediately thereafter, SCN enters into discussions with the local NGO ORDA, the most appropriate organisation to carry out this ISC project in Awra Amba and vicinity. ORDA reacts positively and draws up a project proposal. In the meantime, SCN and ORDA consult on the budget and the organisational structure. ORDA will start the project as soon as possible.



Centre: The Leader of Awra Amba

Solar Cooking business in Mbarara, Uganda

2011 was the first year that the Mbarara Production and Distribution Centre operated independently without financial and operational support from SCN and WG. A resounding success and exactly what we at SCN as well as our Solar Connect friends had and have in mind.

The objective is to realise the sustainable introduction of energy-saving cooking techniques and methods. Financial and operational support from SCN and WG is of limited duration and aimed at reaching a cost-covering activity after three years.



Sale of ISC products in shop Production of CookKits and Hay baskets and others

This goal has now been reached in Mbarara! The necessary production, information and training by local female instructors, marketing, sales and business volume, have been realised and will provide a positive and sustainable contribution to the socio-economic development of women and families in the region.

In this first year of autonomy, CookKit sets were produced, demonstrated, sold to and used by almost 3000 households.



SCA targets for the next few years aim at a further increase in production and distribution in the region.

CookKit Cooking Demonstration

Serious praise is in order for SCA management and team!

As well as for SCN, Wilde Ganzen donors and advisors, and all those involved!

Mukasa (SCA) in a festive mood!



New ISC project in Kampala, Uganda

That not everything is plain sailing, we discovered at the start-up of the Kampala region Distribution Outlet. Communication and financing complications led to considerable delays.

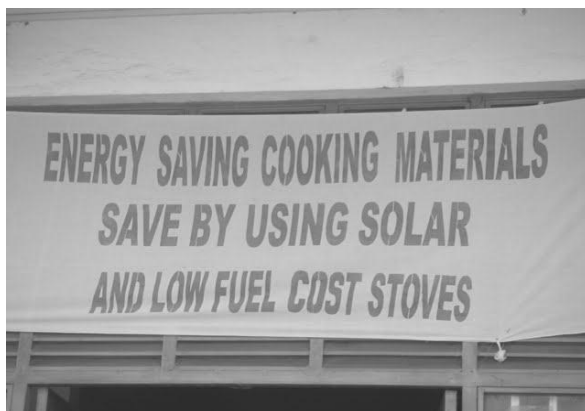
These problems are mainly to be traced back to and caused by fraudulent hackers practices in Uganda. An unknown person hacked into SCA's Internet and e-mail space and was able to impersonate SCA for a while in its correspondence with SCN and WG. Beside direct damage to SCA, SCN and WG, the investigation and subsequent preventive measures have led to this unwelcome delay.

Procedures have now been adapted within SCA, SCN and WG to avoid repetition but it remains a warning to all to use the Internet and e-mail with sufficient caution.

The police are investigating the matter in Uganda.

The Kampala district programme started end 2011 with the organisation of the distribution centre and the training of female instructors, with the support of Wilde Ganzen and SCN, and will be fully operational in 2012. During the first four programme months, the introduction of 250 Solar CookIt sets, 100 hay baskets, 50 Lorena stoves and 320 Rocket stoves is planned in four villages: Kabowa, Mityana, Kiwafu and Bugerere.

The CookIt sets are produced and delivered by the SCA production centre in Mbarara, which gives it an extra step up.



Networking increases social support and market forces

Ethiopia

SCN is more and more aware that the development of a network for the environment and sustainable energy is essential. The building up of contacts with HoA-REC/N and a number of NGOs in Ethiopia turns out to be the only way to expand ISC on a large scale and in a sustainable form. The HoA-REC/N department of Addis Ababa



University (AAU) develops projects with extensive expertise in the field of sustainable energy and has the capacity to do research as well. AAU furthermore focuses on international cooperation with other countries in East Africa, Europe and the USA. A larger network with the same objectives will increase social support and strengthen the market forces.

Cooking demonstration during the 2011 conference

Uganda

SCN collaborates since 2007 with Solar Connect Association (SCA). Subsequent to a successful development of the ISC project in Mbarara (South Uganda), SCA started in

2011 a second ISC project in Kampala and vicinity. So far SCA and SCN has not been able to further expand the network. In 2012 as well, it is essential to establish contact with other organisations that are involved in the environment and the application of sustainable energy to daily cooking.

A larger network allows the market to grow.

And the need to set up ISC research is felt increasingly. An objective that certainly deserves attention.



Team Solar Connect Association

Solar Cookers Worldnet (SCWNet) and Solar Cookers International (SCI)

SCN has in 2011 emphasised the business-oriented development of ISC projects in its communications with both international organisations. Initially, SCWNet and SCI focused entirely on subsidised Solar Cooking initiatives. Objectives have now been broadened to include integrated Solar Cooking, referred to as 'Solar-Plus' as well as a 'business approach'. Worldwide about 100 organisations (including SCN, SCA and PISDA) are members of the umbrella organisation SCWNet.

www.solarcooking.org/scwnet.

This website shows many 'Solar Panel Cookers' (see photo) which are easy to make.



Solar Cookers International (SCI) is a member of the SCWNet 'Steering Committee' and publishes a quarterly worldwide newsletter Solar Cooker Review. SCI also maintains a virtual Solar Cooking knowledge centre www.solarcookers.wikia.org. Countries, organisations and individuals can publish new Solar-Plus cooking developments on this site. SCN and SCA supply regular updates.

SCI and PCIA

SCI concluded a cooperation contract in 2011 with the international organisation PCIA (Partnership for Clean Indoor Air), co-initiator of and partner in the creation of the Global Alliance for Clean Cookstoves, together with the United Nations Foundation. The Alliance aims, within the framework of the Millennium Goals, to realise Clear Air Cooking for 100 million households worldwide by 2020. Although the emphasis within the Alliance still relies on the use of improved cooking techniques requiring solid or liquid fuel, SCI proposes to promote Integrated Solar Cooking within the Alliance by offering its knowledge of production and usage techniques. SCI and SCN emphasise the use of solar energy as being the cleanest form of energy!

New attempts have been made in 2011 to cooperate with SCIEA in Kenya (www.solarcookers.org). SCIEA's experience and knowledge are of interest to HoA-REC/N's EU project development in Ethiopia and in the Horn of Africa.



Spice wine 'on ice' in The Netherlands

This is the Fortune Cooker by Maarten Romijn and Leo Simons. It is a variation on the Solar Box with a panel to generate electricity. They develop a Solar Cooker as well to bake injera (a type of large pancake). SCN and HoA-REC/N are very interested in this.

Financial Annual Report 2011

Balance Sheet SCN

	2010	2011		2010	2011
Assets	Euro	Euro	Liabilities	Euro	Euro
Bank & cash balance	98,419	94,209	Capital	15,697	15,201
Receivables:			Fund for knowledge transfer	4,846	4,456
SCA Uganda (transport aluminium foil)	1,128	1,128	Payable Puntland/Somalia	2,139	0
			Provisions 2011/2012:		
			Project SCA Uganda – to WG	9,000	0
			Project SCA Uganda supplementary	2,000	0
			Projects HoA-REC/N	52,500	0
			ISSC Project Awra Amba	0	25,240
			SCN representative Ethiopia	0	6,000
			HoA-REC/N – SCN	0	9,760
			Contribution EU proj.		
			Other Proj. Ethiopia	0	10,000
			Projects Uganda	0	16,000
			Other Projects	13,367	8,680
Total	99,547	95,337		99,547	95,337

SCN Statement of income and expenditure

	2010	2011		2010	2011
Income	Euro	Euro	Expenditure	Euro	Euro
Donations received	68,337	32.649	PR & Promotion	4,286	3,673
Interest ING Saving Account	1,242	1.524	Office Expenses	1,399	932
Sales CookKits	591	312	SCN		
Contribution Workshop	338	100	Expenses CookKits, etc.	117	614
			Balance	64,706	29,365
Total	70,508	34,584	Total	70,508	34,584

In 2011 the amount spent on promotion and office expenses remained again modest: 13.4% of the total amount of donations received and other contributions. Breakdown was as follows: PR & Promotion Expenses 10.7% (incl. new brochure) and Office Expenses SCN 2.7%.

Financing ISC Projects 2011

Project	Euro
<i>Project Uganda (SCA)</i>	
Action proceeds SCN to giro account 40000 Wilde Ganzen	15,686
Bonus Wilde Ganzen (55%)	8,627
Available for ISC Project in Kampala	24,314
<i>Project Ethiopia (through HoA-REC/N)</i>	
Available for Moringa project ANCEDA< Arsi Negele	17,500

Fundraising

In comparison with 2010, the amount of donations received for the work of our foundation has decreased substantially: from € 68,340 to € 32,650.

The total amount of small donations has largely remained stable. As was the case last year, these were mainly donations to our foundation raised at birthdays, weddings and other festive events.

The total amount of donations received in 2011 can be broken down as follows among the various donor groups:

Source	Number	Amount €	Percentage
Private donations of less than €500	214	11,147	34.1
Private donations of €500 and over	6	8,500	26.0
Donations from various foundations and institutions	4	11,000	33.7
Donations from businesses (ASN Bank)	1	2,002	6.2
Total Donations 2011		32,649	100.0

This financial year ASN Bank decided again to offset its CO2 emissions with a donation to our foundation.

Soroptimist Hilversum organised (following an SCN presentation in 2010) among others a Christmas market, two fundraising dinners in Hilversum's ROC and a film evening ("Tous les soleils"). End November 2011, SCN received a cheque for € 7000.-



Acceptance Soroptimists cheque

In the autumn of 2011, SCN gave a presentation after two church services in the Oude Kerk in Ermelo. Attendance was large. A special presentation was held for the younger generation. The mission commission promised SCN the proceeds of its collection.

Henk Crietee, treasurer

2nd Prize for Solar Cooking The Netherlands

For 3 years now SCN has been participating in the Ethiopia day. This event is organised by the Ethiopian Network Development Cooperation The Netherlands (ENNOS), the Ethiopian Dutch Friendship Association (ENNV) and the Foundation Ethiopia Tomorrow (SEM). SCN is present with extensive information about Solar Cooking projects. This year there was more than enough sunshine to prepare a nice snack outside in the CookIt. People were very surprised and tasted it with relish.

www.youtube.com/watch?v=PT2cLksXUI

This year, Clara Thomas and Jolien Hessel, received in their capacity as SCN representatives the 2nd prize for the most sustainable private initiative.



Presentation of the prize ...



Dorothe Appels (ENNV, SEM), Fred Geiger(ENNV) are enthusiastic

Training in Kortenhoef

The training session 'How do you start a Solar Cooking project' and 'The making of a CookIt' was held twice. Marian Velthuijs was one of the participants.



Two different models of the Solar Box made with cardboard, paper and pap glue (Paper-based Technology) by Marjan Velthuijs and Henk Blok.



She works with 'Paper-based technology' (cardboard, paper and glue) and makes furniture adapted for handicapped children in developing countries www.pum.nl. This technique has now been used to make a Solar Box as well. Physics students of Amsterdam's Vrije Universiteit (see photo) are now, through Henk Blok, carrying out research with this Solar box as well as with the regular box. The students are enjoying the experiments with the boxes, which they consider up-to-date and interesting. SCN looks forward to the results!



SCA



Wilde Ganzen



Abbreviations:

WG	- Wilde Ganzen (Wild Geese)
HoA-REC/N	- Horn of Africa Regional Environment Centre/Network
RET	- Renewable Energy Technology
EE	- Energy Efficient technology
SCA	- Solar Connect Association
SCN	- Stichting Solar Cooking Nederland (Solar Cooking Foundation The Netherlands)
KoZon	- Stichting Koken met de Zon, Wageningen (Foundation Cooking with the Sun)
PISDA	- Partnership for Integrated Sustainable Development Association
NGO	- Non-Governmental Organisation
ISC/WP	- Integrated Solar Cooking/Water Pasteurisation
WAPI	- Water Pasteurisation Indicator
PCIA	- Partnership for Clean Indoor Air
AAU	- Addis Ababa University
UNHCR	- United Nations High Commissioner for Refugees
EC	- European Commission
SCI	- Solar Cookers International, California USA
SCWNet	- Solar Cookers Worldnet, California USA
SCIEA	- Solar Cookers International East Africa (Kenya)

Board, work group and advisors:

- Clara Thomas, chairwoman/field worker
- Henk Crietee, treasurer/field worker/vice chairman
- Marjan Hermans, secretary
- Hans le Noble, member of the board/field worker
- Jolien Hessel, work group
- Jacomine Immink, work group
- Denise Schwirtz, work group
- Ton de Wit, stock management
- Jan de Wit, stock management
- Lianne Faili, translator
- Arnold Leufkens, advisor
- Maarten Schröder, advisor
- Marjo Vervoorn, advisor
- Herman Wijffels, patron

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Integrated Solar Cooking (ISC)



A number of CookKits and parabolic reflectors



'How a Solar Box works' explained by Bereket Dessie



Wood-saving cooking appliances to use in cloudy or rainy weather



Mirt Medja to use indoors



Hay baskets



Water Pasteurisation Indicator (WAPI)



Awra Amba stove with smoke outlet