

Sunseed Tanzania Trust



(9th) Annual Report & Accounts 2005



Charity registration No: 1061635
Tanzanian Register of Societies registration No: 9468

Sunseed Tanzania Trust works with people in arid lands to improve the quality of their lives and environment and the productivity of their land.

SUNSEED TANZANIA TRUST MISSION

To improve the quality of life and environment of people living in arid or semi-arid lands, through research, development and dissemination of low-cost, sustainable appropriate technologies and techniques

PATRON: Simba Mbenna

Retired Deputy High Commissioner for Tanzania in London. Managing Director, Euromet Ltd. (Tanzania)

TRUSTEES 2005

Dilys Beaumont, BA (Chair)

Ex member of staff at Sunseed Desert Technology, Spanish centre of parent charity, Sunseed Trust

Helen Bloomfield, BSC (Hons), MIFHT

Lived 2½ years in South Africa, working on alternative building and permaculture & 6 months at the Itili centre in Mbeya, Tanzania as STT volunteer.

Bridget Bridgwater, BA (Hons), Dip Ed.

Taught in Government girls schools in Tanzania for 6 years. In UK taught English as second language at a further education college.

Mike Bridgwater, NDA, BA (Open)

Agricultural extension worker in Tanzania for 8 years. In UK taught animal husbandry and latterly worked for the Agricultural training Board.

Matt Easter BSc, MSc

Ex Dryland Regeneration staff at Sunseed Desert

Technology. MSc in Rural Resource Management in Semi-arid areas. Worked for Groundwork Trust. Currently Co-ordinator of Rhondda Cynon Taff Environmental Partnership.

Trish Evans, BA (Hons)

Project Manager, Creative Room (Nottingham City Youth Service) inc. fundraising, project co-ordination, evaluation and strategy development.

Dr Sheilah Meikle, PhD, MCD, BA

Retired Director, MSc Social Development Practice, Development Planning Unit, University College London; Social Development Director of Energy Resource Centre for AEAT – FES (DFID). Work in Tanzania, includes research project on women and energy in Arusha.

Jill Watson, BA (Hons) (until May 05)

Lived and worked in East Africa for 20 years. Taught English as a foreign language in UK

ADVISERS

Dr. Alex Hayward, PhD; BSc, MSc/DIC

Has worked on projects involving conservation & sustainable development in the UK and the Americas.

Geoff Beaumont, B Eng. (Hons) – Technical Adviser

Energy Engineer, ex Appropriate Technology Co-ordinator at Sunseed Desert Technology

Kerr Macgregor, B Sc Mech Eng (Hons), MSc Bio Eng - Technical Adviser

Chair of Scottish Solar Energy Group, Retired Senior Lecturer in Energy Engineering at Napier University, Edinburgh.

VOLUNTARY STAFF

Meg Arenberg, BA - Project Development Officer

Previously volunteer for Adventures in Health, Education and Agricultural Development (AHEAD, Inc.); Meatu, Shinyanga, Tanzania working on Solar Water Pasteurization Project.

Jo Maguire, MSc; BA - Assistant Project Worker (Sept - Dec 05)

Professional Participatory Learning & Action Facilitator

Kerr Baillie, CA - Administrator/Treasurer

Retired chartered accountant with 30 years experience.

Bob Squirrell - Webmaster

INDEPENDENT FINANCIAL EXAMINER: Prof J E McLachlan BA, CA, FCCA, MIHM, MACIE

REGISTERED ADDRESS

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ABOUT SUNSEED TANZANIA TRUST

Why Sunseed Tanzania Trust Exists

In many arid and semi-arid areas of the world, people are increasingly living on marginal, poor quality land. Deforestation and soil degradation is accelerating as pressure on the fragile ecosystems of this land increases, and people are suffering much hardship. Technologies exist which could make the lives of people in arid lands easier while at the same time improving the environment.

However, they often do not reach those most in need, and are generally far too expensive for them to afford. To help bridge the gap between need and availability Sunseed Tanzania Trust is working to develop and spread low cost, appropriate technologies and adapt existing technologies.

History

In 1986 the Sunseed Trust (charity No. 292511) established Sunseed Desert Technology, a small research centre based in the drylands of Spain. Its aim is to develop, demonstrate and communicate accessible, low-tech methods of sustainability in a semi-arid environment.

In 1995 following an invitation from the Itili Women's Centre in Mbeya, Tanzania, volunteers from SDT began trials there of a low-cost solar cooker constructed from adobe (mud & straw) which had been developed on the project in Spain. The trials continued over the following two years with further teams of volunteers in the Mbeya and Dodoma regions of Tanzania.

In 1996 Sunseed Tanzania Trust was created as a sister charity to the original Sunseed to enable work there to continue long term and be needs led.

How Sunseed Tanzania works

We now work exclusively in Dodoma region with locally based partner organisations on problems that are identified by them, using technologies suggested by STT and locally adapted solutions. We began with two local partners; Dodoma Environmental Management Trust (DEMAT) and Dodoma Development Association (DODEA). In 2003 MIGESADO (Swahili acronym for Dodoma Biogas & Alternative Energy) also became a partner organisation and this year we ended the partnership with DEMAT. Until this year we also supported 3 women's centres in Mbeya region with small-scale funding and occasional volunteer labour.

STT is entirely run by volunteers, both in the UK and Tanzania. Until 2003 we relied on two experienced volunteers (and trustees), Mike and Bridget Bridgwater, for most of our direct work in Tanzania, which they conducted during annual visits. However, in 2004 we recruited a long-term full time volunteer, Meg Arenberg, who helped establish a small field office in Dodoma. This enables STT to maintain much closer relations with our partners and provide day-to-day support and supervision.

Domestic Energy Project

The DEP began in 2000, following a pilot in 1999. It is now in its second phase. Most people in Tanzania depend on wood, charcoal and / or crop residues for all their fuel needs, and in Dodoma, which is particularly dry, this is contributing to deforestation and soil degradation. Most people cook over traditional "3-stone" fires in unventilated kitchens, so women and children suffer respiratory and eye problems from the smoke. Wood gathering is time consuming, heavy work and often requires women to walk long distances of up to 6 miles, 2 to 3 times per week. In urban areas households often spend up to a third of their income on charcoal. It is a Tanzanian Government priority to promote fuel efficiency and find ways of tackling deforestation and making charcoal is now illegal.

The main aim of the Domestic Energy Project is to reduce the amount of wood and charcoal families need to use in the home, thus helping to preserve the environment and improve the living standards and health of people, particularly women, in the project area.

This is being achieved by introducing the simple technologies of heat retention cookers (HRCs)*, and fuel-efficient wood burning mud stoves with chimneys to groups of women in villages and urban areas.

In 2003 the Domestic Energy Project added a tree-planting component, supporting participants to create tree nurseries in their villages as well as providing tree seedlings to households. Suitable trees can be sustainably harvested for fuel wood, whilst others provide fruit, oil, shade and building poles.

**An HRC is an insulated container (sometimes known in the UK as a Haybox or hotbox). Food is brought to the boil in a covered pot, then placed in the HRC where it continues to cook for several hours without using any more fuel. In Dodoma there are 3 types of HRC; an insulated basket, (known locally as a Wonderbasket), a hole-in-the-ground version, and a raised mud walled version.*



Dodea's Tree Nursery

ACTIVITIES REPORT

2005 has been another action packed year. Again many important developments have been made in the Domestic Energy Project in Dodoma and also for the staff and trustees of STT and its partner organizations.

Trustees & Voluntary staff

The Trustee team was strengthened from January onwards by the recruitment to the board of Dr Sheilah Meikle, Director of MSc Social Development Practice course, at University College London's Development Planning Unit. Sheilah came to the board with much experience in development work and a wealth of new energy and ideas. At the end of the year she was planning a visit to the project in 2006 to meet the partners and see STT's work first hand.

Trustees Mike and Bridget Bridgwater decided to take a break from their visits to Dodoma for the first time in 6 years, but Helen Bloomfield made a visit in March to see how the project was going and to offer Meg support. She met with all three partners and was also able to visit Marantha and Itili in Mbeya.

Meg Arenberg, volunteer Project Development Co-ordinator, was in post in Dodoma throughout the year, apart from May / June when she had a mid-term break from Dodoma and spent time with Trustees reviewing progress and setting objectives for the coming year. She also visited our sister charity's project in Spain, Sunseed Desert Technology.

In August the decision was taken to recruit a second volunteer to join Meg in Dodoma in order to provide support and particularly to help plan and execute an internal evaluation of the DEP. Jo Maguire was subsequently hired and worked alongside Meg for three months, from September to December, providing excellent and much-needed support and professional expertise.

Partners

Relations with DODEA and MIGESADO remained good and indeed strengthened during the year. Reporting on activities and finances was improved by the introduction of a pro-forma report form for quarterly reports.

However, problems in STT's relationship with DEMAT over the previous year resulted in the decision in January not to renew our contract with DEMAT. Their reporting was erratic and unreliable and the attitude of the Director towards our volunteer Project Development Co-ordinator was poor. The working relationship finally came to an end in June 05, but DEMAT was still working on promoting stoves in about 15 villages and using a new approach which they considered successful.

Tree planting

DODEA began tree planting in 2003 and MIGESADO in 2004, and this activity continued and expanded with both partners over the course of 2005. DODEA developed an ambitious bid for a larger tree-planting project, which was submitted to a potential funder but ultimately rejected. However, STT was able to increase funding

from our own resources, so that DODEA was able to increase their tree planting work during the year, including establishing six village nurseries and strengthening their own. Both organisations also incorporated training on the use of mycorrhiza into their treeplanting work.

Stove and HRC building

In March thanks to fundraising efforts by a supporter of STT, eight bicycles were purchased and handed over to DODEA's Village Project Co-ordinators. These were to assist them in their work as villages are often widely spread with long distances between houses.

At the beginning of the year MIGESADO had relaunched their stove building work (with Meg's guidance and support) following a hiatus in 2004 due to lack of staff to run the project. They ran retraining sessions, recruited new stove builders and began subsidising the cost of stoves for families. Regular visits from MIGESADO hired "masons" and an independent trainer, Mama Chille, provided support and further training for village stovebuilders. This approach seemed to be very successful.



Starting to make a stove at a workshop run by Mama Chile in Mundemu village (MIGESADO)

During the year both partners reported increasing stove building activities, and consistently exceeded their targets.

Both partners built very few heat retention cookers during the year, and were finding problems with the technology and its acceptability to villagers. Training on building and using them was poor and they were frequently poorly built. This was to be addressed in 2006.

Transport

Early in 2005 Meg bought a 4-wheel drive car for STT and DODEA to use on DEP activities, but there were irregularities regarding the paper work and it was not until July 05 that STT was able to begin using the vehicle. The advent of the car has made a big difference to what both STT and DODEA can achieve in terms of visiting villages for direct project activities and follow-up work.

ACTIVITIES REPORT

Evaluation

The process of evaluating the DEP began in September 05 when Meg was joined by Jo Maguire. They trained DODEA staff and VPCs in participatory working methods and then conducted an evaluation of DODEA's stove and HRC building work.

This evaluation revealed problems with dishonest VPCs in two villages and various problems relating to training and monitoring of the whole project. However, an action plan was devised with DODEA to rectify the situation over the coming months. It should also be mentioned that the team did find people who have stoves, use them daily and are very happy with them for their labour saving and smoke reduction.

Further programme evaluation work of MIGE-SADO's stove work and the tree-planting programmes of both partners was planned to begin in the first half of 2006.

Review of activities / Future planning

In May 05 STT Trustees and advisers held an 'Away Day' at which it was decided to continue with the DEP into a 3rd phase after June 06 when the current Phase 2 ends, but to stop supporting the women's groups at Mbeya as they were not 'core' activities to the STT remit and were drawing resources away from the DEP.

Mycorrhiza trials

The Mycorrhiza trials project of STT's sister charity Sunseed Trust continued throughout the year. Sunseed's mycorrhiza project consultant Justin Chidawali and Meg shared an office and resources, and Justin often helped out with DEP activities during the year, particularly training on mycorrhiza techniques. In January, Zena



A DODEA training session in participatory working methods. Justin Chidawali is on the right

Wilmot, the project's co-ordinator from SDT visited Dodoma and gave advice and support to encourage the use of mycorrhiza in STT's treeplanting activities.

In June it was agreed with Sunseed Trust that Justin's contract would be with STT rather than directly with Sunseed Trust, and that his day-to-day supervision would be conducted by Meg. The contract was redrafted and negotiated, finally being signed in January 06.

Mbeya

A volunteer, Jackie Beare visited Mbeya from January to March, taking funds that she had raised in the UK. Some of this was spent on infrastructure such as water supply and toilets for both centres and improvements to their nursery school classrooms and some was held back for a further visit next year.

FINANCIAL REPORT

The accounts for the year show an overall surplus of £9,122 making this an exceptional year financially.

Our overall income was substantially up on that of the previous year as the result of a number of major personal donations being received. There was also an increase in fund raising activities, the most notable of which was Olwyn Fonseca's sponsored cycle ride from John O'Groats to Land End which raised just over £5,500.

Expenditure was also higher, due partly to the additional costs associated with our resident Project Development Officers. However as a result of the comparative strength of our finances we were able to fund an increase in our grants to our partner NGOs in Dodoma. Work on stove building and the other aspects of that part of our Domestic Energy Project continues to be funded by the McKnight Foundation and will be so up to 30th June 2006 and the costs of our Project Development Officers are still being met out of the Lloyds TSB grant received in 2003 & 2004. However the remainder of our activities, particularly tree-planting,

are being funded from our general funds.

Both McKnight and Lloyds TSB have indicated that they will not be providing further funding and although our current reserves will be sufficient to continue our work until early 2007, further major funding will be required if it is to be continued after that.

Bank Balances at the year end totalled approximately £27,900, up from £13,400 a year ago, making our total reserves higher than at any time in the Trust's existence. Our network of supporters, who, because of our relatively low administration costs, can be assured that almost all of their money goes directly to fund the work of our partners in Dodoma, now contribute a substantial amount to our reserves.

Grateful thanks are due to all those whose generosity has contributed to our funding during the year.

Kerr Baillie, Treasurer

INCOME & EXPENDITURE ACCOUNT FOR YEAR ENDED 31 DECEMBER 2005

GENERAL FUND		2005 £	2004 £
Income			
General Donations	1,474		
Tax Refunds	346	1,820	2,040
LloydsTSB Foundation for Scotland	<u> </u>	-	7,600
Supporters Network		1,086	992
Fund Raising	5,010		
Tax Refunds	925	5,935	1,042
Interest	<u> </u>	354	376
		<u>9,195</u>	<u>12,050</u>
Expenditure			
Expenses in U K		1,647	2,240
Expenses of Volunteers in Dodoma		7,146	4,112
General Expenses in Tanzania		147	529
Depreciation of Motor Vehicle		1,351	-
		<u>10,290</u>	<u>6,880</u>
(Deficit)/Surplus for the Year		<u>(1,094)</u>	<u>5,170</u>
DOMESTIC ENERGY PROJECT			
Income			
General Donations Earmarked for Project	14,657		
Tax Refunds	292	14,949	1,328
Grants	<u> </u>		
The McKnight Foundation	13,698		
Sunseed Trust	1,000	14,698	13,116
Donations and Grants for Expenses in Tanzania	<u> </u>	-	778
		<u>29,648</u>	<u>15,221</u>
Expenditure		<u>19,433</u>	<u>16,408</u>
Surplus/(Deficit) for the Year		<u>10,214</u>	<u>(1,187)</u>
PROJECTS IN MBEYA			
Income			
Donations	2,568		
Interest	71		
Tax Refunds	242	2,881	2,295
	<u> </u>		
Grants		<u>2,881</u>	<u>2,295</u>
Surplus for the Year		<u>-</u>	<u>-</u>
Total Income		<u>41,724</u>	<u>29,567</u>
Total Expenditure		<u>32,605</u>	<u>25,583</u>
Overall Surplus for the Year		<u>9,119</u>	<u>3,983</u>

BALANCE AS AT 31st DECEMBER 2005

Fixed Assets	£	2005 £	2004 £
Motor Vehicle		5,403	-
Less: Depreciation		1,351	-
		<u>4,052</u>	<u>-</u>
Current Assets			
Prepayments and Accrued Income		4,372	707
Debtors		-	13,003
Bank Balances - UK		24,782	7,310
- Tanzania		3,110	5,762
Cash Balance in Tanzania		5	346
		<u>32,269</u>	<u>27,128</u>
Creditors		375	300
Net Current Assets		<u>31,894</u>	<u>26,828</u>
Total Net assets		<u>35,946</u>	<u>26,828</u>
Represented by:			
General Fund			
As at 1st January 2005	16,887		11,719
(Deficit)/Surplus for Year	(1,094)		5,169
	<u>15,793</u>		<u>16,888</u>
Transfer to Reserve for Domestic Energy Project	411		-
		<u>15,382</u>	<u>16,888</u>
Reserve for Domestic Energy Project			
As at 1st January 2005	9,941		11,127
Surplus/(Deficit) for Year	10,214		(1,187)
	<u>20,155</u>		<u>9,940</u>
Transfer from General Fund	411		-
		<u>20,564</u>	<u>9,940</u>
		<u>35,946</u>	<u>26,828</u>

Independent Examiner's Report

These summarised accounts may not contain sufficient information to allow for a full understanding of the financial affairs of the Trust. For fuller information, the annual accounts with reports by the Trustees and Independent Examiner can be obtained by writing to the administration office.

However, in my opinion the foregoing accounts have been properly compiled from the full annual accounts and are consistent therewith.

Prof J E McLachlan BA, CA, FCCA, MIHM, MACIE

ACKNOWLEDGEMENTS

Grants were received with grateful thanks from:

Sunseed Trust
McKnight Foundation

The Trustees are also very grateful to the many individuals and groups who have made donations to our work during the year. Sincere thanks are extended especially to the following for their generous donations:

Steve & Sue Ashby	J R & A Main
G C Beaumont	E Marshall
J A Beaumont	Toby Marthews
Mrs Annie Blackman	Joanna Mallon
Mrs Bernice Blayney	Mr & Mrs R W Needham
Neil Bloomfield	Pam Patterson
William Bordass	Gabriel Pol
Cathy Borrow	G J Rae
Kate Bowen	Mrs H M Rees
Mrs Dagmar Brook	Ryklow Charitable Trust
Olwyn Fonseca	Mr & Mrs Robert Slatter
Sally Fonseca	Mrs K M Stewart
J C Fulford	K A Sutcliffe
Mary Gillie	D I Tapp
E J M & J Hepper	P S Taylor
Sue Joslin	Maxine Toff
C R Knowles	Ian Van Ryan
Mrs Rosemary Leburn	Moira Walker
Mrs B J Macfarlane	Jill Watson
Kerr Macgregor	

Thanks are also due to many more people who contributed to our funds during the year including all the many people who sponsored Olwyn Fonseca's epic cycle ride.

We are also most grateful to the Trustees and Advisers who have given much time, effort and financial support by not claiming expenses during the year.