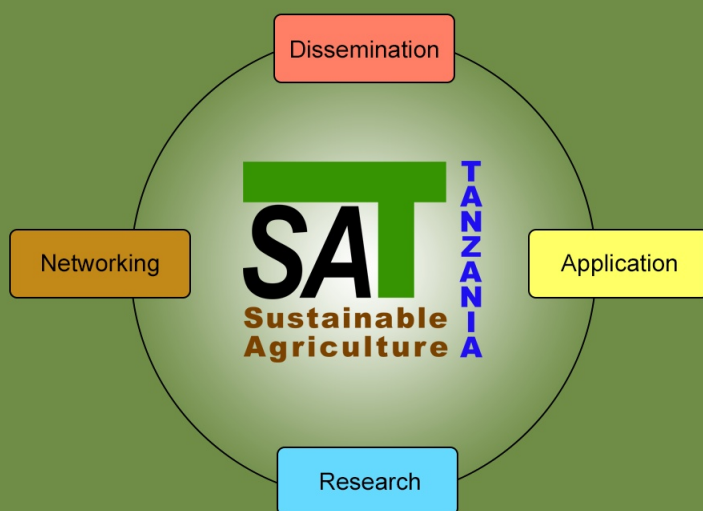

Sustainable Agriculture Tanzania



Annual Report 2014

Contents

Foreword of Director.....	03
Projects 2014.....	04
Farm Activities 2014.....	13
Financial Statement 2014.....	14
Supporters.....	15



The organisation SAT pursues a holistic approach in which other stakeholders like universities, companies, organisations and experts for organic agriculture are integrated in the work.

SAT provides space for an innovative platform whose main pillars are research, application, dissemination and networking.

Foreword of Director

«The tree is growing and prospering»

Janet Maro
Director SAT



«We can proudly look back on a very successful year 2014 and thank all who have supported us to achieve our goals.»

«Not least I would like to express my appreciation to the SAT team, who finally made through their hard work such a successful year possible.»

Alexander Wostry
Hugo Kunguru
Justin Lyasato
Gilbert Mhando
Aron Kawembe
Mbwana Rwambo
Joseph Cosmas
Sia Chaki
Josef Gusel
Jumanne Juma
Modest Kiyando
Agnes Komba
Ayubu Nnko
Gabriela John
Flora Luanyani
Timotheo Ngalula

Since SAT was founded in 2009 the organisation has become a potent and renowned actor in organic and sustainable agriculture in Tanzania. Despite the fast growth, our guiding principle has not changed thereby, which is to support small scale farmers with simple techniques and environmentally friendly farming practices to achieve increased yields, improved nutrition and as a result the overall economic situation of their families is improved. The roots of the SAT-tree have spread and deepened.

SAT goes straight ahead in the field

This enabled us to expand our activities and consolidate our position in the field of dissemination, research, training and networking of stakeholders.

By now, 25 farmer groups with 663 farmers in 23 villages around Morogoro are super-vised and supported with agricultural equipment, as well as the latest state of research. Thereby the sustainable production of organic food is given priority. This is achieved through sound education as well as practical guidance in the smooth transition to sustainable agriculture.

High quality training

2014 was the first full year for our Farmer Training Centre in Vianzi. Since the training opening in May till the end of the year SAT conducted 20 courses attended by 424 participants from more than 17 regions across Tanzania and Kenya.

SAT goes international

The organisation has now also rooted in other continents. SAT was published in the National Geographic Magazine to present their own point of view concerning food security and increase in yields through an organic farming way. We were represented at this year's "Slow Food" exhibition "Terra Madre" in Italy. Furthermore, SAT was accorded the

honour of the invitation to participate the round table on "Food and Nutrition Security through Sustainable Agriculture and Food Systems in the post-2015 agenda" in New York to exchange views with representatives of governments, organisations and farmer interest groups to come up with recommendations for the open working group on Sustainable Development Goals (SDGs), which can ensure long-term food security.

In order to reach more small scale farmers it is very important to work closely with local and international organisations.

Therefore SAT continued networking with agro-environmental representatives at home and abroad and offered assistance in the field of practical training in organic and sustainable agriculture and to exchange information about current challenges facing agriculture.

Organic is the future

Furthermore I would like to warmly thank all people, who enabled us to carry out our work successfully which would not have been possible without your support. In these times of change loyal and new partners are more important than ever in order to achieve together, with enthusiasm and passion, a world that is built on sustainability to enable our children and future generations to live a life with all the possibilities we have in a human friendly environment.



Projects 2014

Alexander Wostry
Finance Manager



«We currently support 25 local farmer groups with 663 farmers in total in a radius of about 80km around Morogoro. Moreover, more than 600 farmers have been trained on our Farmer Training Centre so far.»

Sustainability is the basis of future generations

Agriculture involves more than corn and millet. For many farmers in Tanzania the production of vegetables and fruits, fishery and poultry farming is the basic to secure their income.

Skills Development for Agricultural Sector

The SDAS-project enabled 5 farmer groups with 164 participants from various villages around Morogoro to get education in organic and sustainable agriculture.

In theory & practice

All participants were taught in classes on the Farmer Training Centre in Vianzi the growing of organic vegetables, theoretical basics about the nutrient cycle of the soil and practical cultivation methods.

According to their needs

The following curriculum complied with the specific needs of the farmers.

One farmer group was trained in organic poultry husbandry, others in the basics of sustainable fishing and in methods of the solar drying of fruits and medicinal plants as well.

Sustainable development

The communities were supervised during their training period and beyond and visited up to 30 times on a regular basis in their villages.

The main goal of the project is to provide the trained farmers with the best possible support on their transition to more sustainable practices.



Hugo Kunguru
Project Assistant



«As we build on the existing knowledge of farmers, it is very important to cooperate closely with them. This is exactly what is practiced in the ByT-Phase out*.»



* ByT-Phase out is the final project of the program "Bustani ya Tushikamane" launched in 2009, which is generally known under the name "Garden of Solidarity".



On the way to a prosperous future

Through a strong and innovative platform for the dissemination of organic and sustainable agriculture SAT facilitates mainly small scale farmers. The transition to organic farming enables an increase in yield, reduction of operating costs, better access to markets, food security, an increase in income as well as climate change adaptation and mitigation.

Basic training

Our youth is the next responsible generation for our environment on earth.

For this reason it is very important to involve them early in decision-making processes and information flows. In the course of the last year's project of the Scouts of Austria, who paved the way for the construction of two dormitories on the Farmer Training Centre of SAT, it was decided to use the leftover budget appropriately and to invest it in the education of young Scouts.

This enabled 47 young Scouts to obtain training in organic agriculture at the Farmer Training Centre in Vianzi and further to spread the knowledge into their own scout groups.



An alliance of partners

In cooperation with the Ecological Agriculture Initiative, representatives of the Tanzanian government and various stakeholders, employees of agri-cultural organisations obtained training for trainers of sustainable agriculture. Alongside research topics, a curriculum has been drafted at the meetings, which includes strategies concerning the dissemination of organic agriculture. Another project goal could be achieved with the completion of a 15 minute documentary about farmers in Tanzania and Kenya, who produce their food exclusively under organic guidelines.

Link: [Kilimo Hai.Going Organic in East Africa](#)



Dairy cows for Vianzi

In addition to the general rain-fed agriculture livestock is a second mainstay for many farmers in Tanzania.

For this reason SAT started its livestock project at the Farmer Training Centre in Vianzi in 2013 and 2014. The project was put in action with the construction of a

goat house with a capacity of 50 goats, a cowshed with 6 cubicles, the layout of pastures, the acquisition of 5 dairy cows, the construction of a dwelling for the shepherd and a storage room.

The acquired livestock help to ensure availability of manure for use as fertilizer in the fields and feed on the crop residues from the fields.

This holistic approach creates a nutrient cycle. This growth in chickens' and dairy cows' population also caused an increase in daily laid eggs and fresh milk, which is sold to the surrounding villages. These revenues will help to bring the Farmer Training Centre a step closer to its strived self-sufficiency.



A village arises

The Farmer Training Centre for organic agriculture is located in Vianzi, a small village approximately around 20 km from Morogoro town. Most of the village inhabitants work as lumberjack and charcoal burner or as casual labourer.

A school which deserves to be called so is not available in a range of 10 km, not to mention medical care.

Since the Farmer Training Centre aims to

provide benefit and a certain standard of living not only for its staff, whose members increase every year, but also for the surrounding population, the establishment of institutions which ensure a basic supply of medical care and education is considered as a very important project. An association of private individuals from Vorarlberg, Austria, decided to initiate the Mafiri-project to remedy these circumstances and to build a school with an integrated orphanage, as well as a medical office with laboratory and its own pharmacy. To make this possible, however, the suitable piece of land had to be found. In the plot "Mafiri", which is located north-west of the farm and just a short walk away, a sufficient area for the planned buildings could finally be acquired. In 2014 a sand dam was build in the nearby river to ensure water availability for the planed first activities.

Water is everything

Due to the changing climate and the constantly increasing droughts new innovations and ideas concerning water storage and recycling are more

The rainwater is caught by the gutters of the roofs of the Training Centre.

A biological sewage system ensures the appropriate recycling of waste water.

The grey water from bathrooms and washbasins is collected in a 3-chamber sewage system. Water purifying reed plants help to ensure the appropriate cleaning of the sewage water. The recycled water is then used for irrigating trees used for reforestation. Another chamber is used as a fish pond, which is purely fed by rain water and is actually the extension of the first flush diverter, which allows only clean water entering the 300.000l rain water tank.



important than ever. To use the annual rainy season in Tanzania effectively, a project was arranged which ensures the secure financing of "harvesting rain" and the recycling of waste water. When running at full capacity, the Farmer Training Centre has a consumption of up to 20,000 liters of water every week, which comprises of domestic water for the guests, cleaning and rinse water, as well as irrigation water for the agricultural products such as fruit-trees and vegetables.



Justin Lyasato
Facilitator
Agriculture General



«Constant insights of current topics of agriculture are of great importance. Research concerns with all issues and goes in a depth that could not be answered by a farmer due to lack of measurement techniques or laboratory tests.»

Link to the reserach paper
<http://kilimo.org/WordPress/wp-content/uploads/2015/05/African-Centre-for-Biosafety-Report-on-impacts-of-GR-Interventions-in-Tanzania.pdf>





Organic farming is a lifelong experiment

The experiences of a farmer on her own field can not be replaced. Research, however, can be helpful as a supplement designed to highlight possible solutions for today's challenges of agriculture. With the help of the "African Centre of Biodiversity" research was carried out, which examined the influence of high-performance technologies of the so-called "Green Revolution" on small scale farmers.

Educate a Woman and You Feed a Family

In the project "SEGA Girls School" emphasis was put on the education of students. Through providing them with theoretical contents and practical training, they obtained a wealth of experience on organic and sustainable agriculture, which will also be applicable in the course of their lives.

In the first steps the pupils were sensitized for the teaching content by giving them an understanding of issues relating to "healthy diet".

Subsequently, a small area was cleared to become a school vegetable garden, to be managed by the students themselves. Great importance was attached to the own initiative, and practical activities of the 50 participants. In a playful manner they were taught the meaning and methods of organic and sustainable agriculture.

The 300m² large vegetable garden, in which everything from leafy vegetables to tomatoes



everything is growing, is primarily laid out for the self-supply of the pupils. Thus, the operating costs for the supply of the young students could be reduced and also the personal responsibility of the youths was encouraged in terms of their own diet.



Monthly Information

Since 2014 *Mkulima Mbunifu* is a monthly published magazine written specifically for small scale farmers, as well as all stakeholders of organic agriculture.

The project was launched in 2011 and until today successfully continues with a circulation of 14,000 copies and an annual increase in readership.

The aim of the newspaper is to provide family organized

small scale farmers with access to new and improved technologies and sustainable methods and to inform them about current challenges concerning agriculture. Therefore the magazine strongly focusses on the needs of small scale farmers and highlights any difficulties of organic agriculture in order to provide ultimately proven solutions to improve the overall situation of smallholder structures. The priorities include all issues of organic and sustainable agriculture, which comprise the maintenance of soil fertility, environment, and family friendly farming methods, livestock and health aspects. The project also includes a radio program which pursues, under the same name, the same objectives.

A Dam for the Farmer Training Centre



A major cost factor of the Farmer Training Centre in Vianzi constitutes the purchase of water, which can be used for livestock and irrigation of gardens and fruit trees. Since the prevailing water shortage did not allow a production of animal feed, water and food for animals had to be bought till today. Since the farm area is suitable for a dam due to its natural relief, the idea of building a dam was put forward.

Through provided support from Switzerland earthworks with a caterpillar could finally be financed.

The work consisted of digging a pond of which soil

material was used to construct a 150 m long and up to 4 m high earth dam. The total area of the reservoir is more than 4000m² and has a capacity of approximately 8,000,000 liters.

During the rainy season, the reservoir will be filled over the intake water of a 20-hectare catchment area. Later the water will be pumped to a tank tower to further distribute it in the farm. The collected water will be used for animal husbandry, irrigation of pastures and fodder crops, agricultural products and planted trees.

More opportunities on the labour market

Through a good education in various subject areas, the probability to obtain a good job increases significantly.

The goal is to afford young people this type of training. The project "Opportunities for Youth Employment" accordingly follows a new approach in Tanzania, which combines production and marketing business. So far, 3 youth groups with a total of 114 participants were admitted into the project and trained in these subjects. Mostly 1-week training courses were conducted at the Farmer Training Centre of SAT in Vianzi, where the youths were taught

various teaching contents of organic agriculture, business administration and accounting. The theoretical and practical study parts were supplemented with excursions to demonstration fields for a better understanding.



Reinvestment

In terms of sustainability it is important to make follow up visits to phased out farmer groups to further advise them or to learn how they adapted or modified the gained knowledge. A unique feature of SAT is that this idea of ongoing support without using external financing has been internalized as a principle within the organisation's philosophy. In 2014 SAT could draw on their own resources. The income of the organisation, which comprises the fees for courses at the Farmer Training Centre and the sale of agricultural products were

accordingly reinvested in various activities. The main goal is to compensate budgets in projects which could not be financed entirely in order to maintain and to improve built structures and to provide further support for the trained participants to grow a strong network of organic farmers.



On a Demonstration Farm in Africa

2014 was the first full year of operating our Farmer Training Centre for organic and sustainable agriculture since the grand opening in September 2013 Vianzi/Morogoro. From May to December SAT conducted 20 training courses attended by 424 participants from more than 17 regions across Tanzania and Kenya. The offered trainings included 10 different course programs with different training contents.

Furthermore, FTC welcomed more than 30 international guests from 10 different countries around the world. A total of 6 hectares were cultivated with agricultural products such as corn, sunflower, millet and hibiscus. 2014 SAT took first steps towards biological milk and egg production and launched its animal husbandry and poultry project on the site of the Farmer Training Centre in Vianzi.



Farm Activities 2014

Also 970 trees were planted around the training center. These include fruit trees, trees for agro-forestry systems in agriculturally cultivated land and for the reforestation of depleted surrounding forests.

Furthermore, students of the Sokoine University of Agriculture in Morogoro were provided with room and space to conduct their research work for their bachelor thesis on the site of the Farmer Training Centre in Vianzi.

Course Overview 2014

- Organic Agriculture Basic
- Permaculture Design Course
- Food Processing
- Natural Medicine
- Training of Trainers
- Workshop on Participatory Research Design in TZ
- Zero Tillage
- Sustainable Waste Management
- Attract Youth to Agriculture Camp



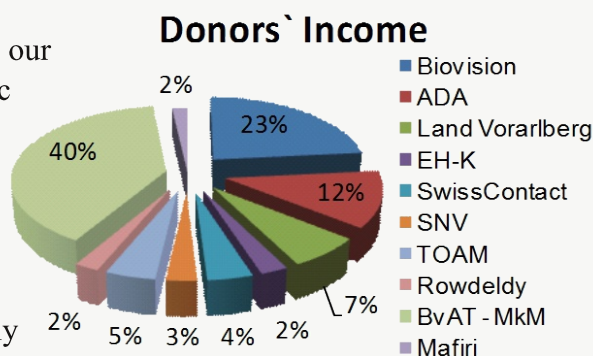
Financial Statement 2014

INCOME

For the year ending 2014, our income comprised of 84% from our Donors and 16% from different financial activities (i.e. organic consultancy and shop sales) undertaken during the year in order to achieve financial sustainability. Due to our well-organized management and staff we have prolonged trust to

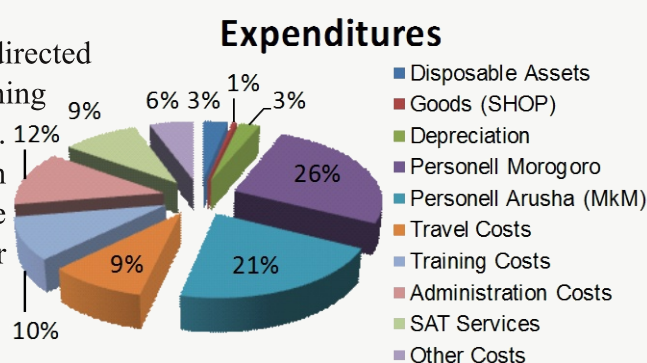
Total Income		\$
Donors` Income		373,369,76
Other Incomes		71,730.22
Total Income		445,099.98

our donors and hence our organisation efficiently managed to receive funds from eight (8) donors for the year 2014. 40% of donors` income comes from the BVAT-MKM.



EXPENDITURE

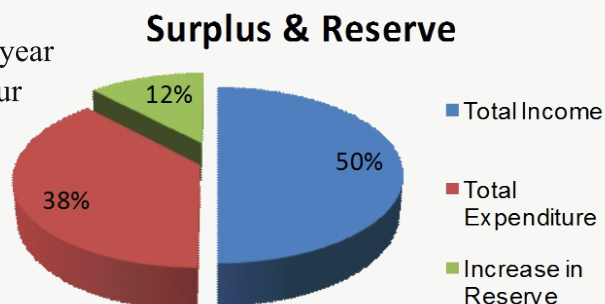
For the year 2014, 26% and 21% of total expenditure was directed to personnel payment due to expansion of the Farmer Training Centre in Morogoro and in Arusha for the MkM Programme. In 2014 SAT had 24 full time staff and recruited more than 30 people for temporally assignments. In general, we have managed to reduce expenses ratio to 77% of total income for year 2014.



SURPLUS AND RESERVE

Our organisation has a policy of maintaining the surplus each year for future growth. For year 2014 we managed to increase our reserve by 11%. With this reserve SAT will be able to continue providing training to farmers and expanding our services to other regions in Tanzania.

Surplus & Reserve		\$
Total Income		445,099,98
Total Expenditure		338,134.20
Increase in Reserve		106,965.78

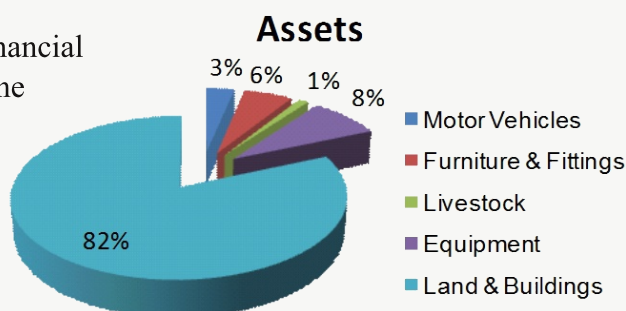


ASSETS

The values of the assets are presented as per international financial reporting standard. Our organisation operation depends on the availability of enough land for new farms and building training centre for farmers and students. Hence a large amount was invested in the procurement of new land.

Assets		\$
Motor Vehicles		9,031.70
Furniture & Fittings		15,537.40
Livestock		3,191.92
Equipment		22,987.58
Land & Buildings		223,804.15
Carrying Value		274,522.76

As you can see in the report, amount of \$223,814.15 equivalent to 82% of total assets was invested in land and buildings.





We would like to warmly



thank all our supporters !



Interested in supporting Sustainable Agriculture in Tanzania ?

For donations directly to our SAT-account in Tanzania

Account Name: Sustainable Agriculture Tanzania (SAT)

Account Desc.: SAT Internal Revolving Fund

Bank: CRDB Bank

Branch: Morogoro

Account No.: 0250023317600

Swift: CORUTZTZ

Currency: USD

Note to payee: Donation SAT + email*



For donations to our support club in Austria

Account Name: Nachhaltige Landwirtschaft Ostafrika

Bank: Sparkasse Feldkirch

Account No.: 03100-602261

Bank Code: 20604

IBAN: AT892060403100602261

BIC: SPKFKAT2BXXX

Currency: EUR

Note to payee: Donation SAT + email*

* Please insert your email address as the purpose of use to receive information about the latest progress of the project in order to follow what has been implemented with your donation.

Donations to the support club in Austria are solely used for SAT in Tanzania



Contact us:

Sustainable Agriculture Tanzania (SAT)

Email: info@kilimo.org

Phone: +255 754925560

P.O.Box 6369

Morogoro/Tanzania

www.kilimo.org

