



A movement for change realizing sustainable development



Deutsch
Tansanische
Partnerschaft



WELTWAERTS VOLUNTEERS' PROGRAM

Presentation of small scale projects implemented at hosting places with German volunteers



*A cooperation between Deutsch-Tansanische Partnerschaft (DTP),
Tanzania Youth Coalition (TYC) and
Tanzania Renewable Energy Association (TAREA)*

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weltwärts



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Contact of hosting organizations

The DTP-Projects were implemented at the following hosting organizations:






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

KAKUTE (Kampuni ya Kusambaza Teknolojia)

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Introduction

Since 2004, Deutsch-Tansanische Partnerschaft e.V. (DTP), which means German-Tanzanian Partnership, and Tanzania Renewable Energy Association (TAREA) have been cooperating in running the German Volunteer Program “weltwärts”. In 2014 Tanzania Youth Coalition (TYC) joined in to guide the volunteers pedagogically.

Between 2007 and 2017 the program had supervised 16 German Volunteers each year going to Tanzania for 12 months.

The aims of the program are to deepen intercultural understanding between Germans and Tanzanians and promote the use of sustainable renewable energy technologies in Tanzania.

The volunteers work with their hosting places on research how fishermen can apply solar lights for fishing, how people can make fruits and vegetable storable for a longer time with solar driers, how small solar home systems can be spread in rural areas, how students understand better about the importance of trees and other environmental issues and other projects.

The volunteers sent by DTP live in Tanzanian families and participate in the family tasks like collecting water, taking care of domestic animals and many other activities. Most of our volunteers learn cooking Tanzanian food and take part in the social and cultural activities like theatre groups, sports and choir. Thus they are integrated well and soon speak Kiswahili.

This small booklet presents six examples of our conception of cultural learning and sustainable technologies activities that are implemented by the volunteers together with their Tanzanian colleagues. All volunteers worked in Kiswahili language during the project. Through the projects, volunteers and Tanzanian colleagues learnt together and the projects had impacts within the Tanzanian communities. Since 2004, the Deutsch-Tansanische Partnerschaft e.V. (DTP), which means German-Tanzanian Partnership, and Tanzania Renewable Energy Association (TAREA) have been cooperating in running the German Volunteer Program “weltwärts”.

In the years from 2010 to 2017 the program had been administering 14 to 16 German Volunteers going to Tanzania for one year.

The aims of the program are to impart the cultural learning between Germans and Tanzanians, and promote the use of sustainable renewable energy technologies in Tanzania.

This small booklet presents our conception of cultural learning and sustainable technologies activities that are implemented by the volunteers and showing their impacts to the german volunteers and tanzanian communities.

Construction of solar dryers and cultivation of mushrooms

TALISDA, Korogwe

Improvement of income situations

The project was implemented by TALISDA Foundation in Korogwe, Tanga. The aim of the project was to increase income within Tanzanian families by preserving harvested food for a longer time.

Storability of crops

A problem which many rural regions are facing is that many fruits of one kind, in this case mushrooms, are harvested at the same time. When supply exceeds demand, the price gets very low, but storage is a problem because the goods are perishing. Using solar dryers is an opportunity to make the harvested fruits storable, which allows to sell them when the supply decreases. In cooperation with three women groups and a wood technician, our volunteer Alina constructed three solar dryers. An external teacher introduced the groups then to planting and drying uyoga. A small solar dryer version was constructed to be shown to interested people at TALISDA office.

Opportunities for the future

The project is a sample for people how to deal with market challenges and how to sell valuable crafted products instead of raw materials. For the hosting organization TALISDA it is an opportunity to dig deeper and to spread the idea and implement further projects.



Picture 1: Fixing the ground foil

Environmental Education in Dodoma Region

DONET, Dodoma

Improving awareness

The idea of the implementers was to improve awareness about environmental issues in general. Especially in rural regions to many people environmental protection is a very abstract topic. They are aware that it is important to protect their environment but they don't know how. At this point our volunteer project started.



Picture 2: Explaining Photosynthesis at Amani Primary School

Own tree nursery

Our German volunteers together with their Tanzanian colleagues developed teaching material and lesson plans. Over a sum of 23 sessions held at 3 schools they talked about various topics of environmental protection. Guided by the rule “learning by doing” the pupils also learned how to plant trees and understood the importance of trees. Un-



Picture 3: Pupils digging holes for the tree seedlings at Mlimani

derstanding is an important part of sustainable education and can be supported by practical experience, therefore the pupils were supposed to try things practically on their own. Core of the whole project was that the pupils constructed their own environmental clubs with 50 to 60 students each. They were supported by DONET team and volunteers how to start and manage such a club, e.g. electing their leader and treasurer democratically. Thus they learnt organizing issues. In total, 70 trees and 20 shrubs could be planted. The pupils learned that planting trees and shrubs is not only important to stop global warming, but also to minimize soil erosion and to store water from the rainy season. Furthermore they were taught in environmental issues in general and about improved cooking stoves. At the end of the project the schools started a tree nursery by themselves.

Renewable Energy School Program for VETA Schools

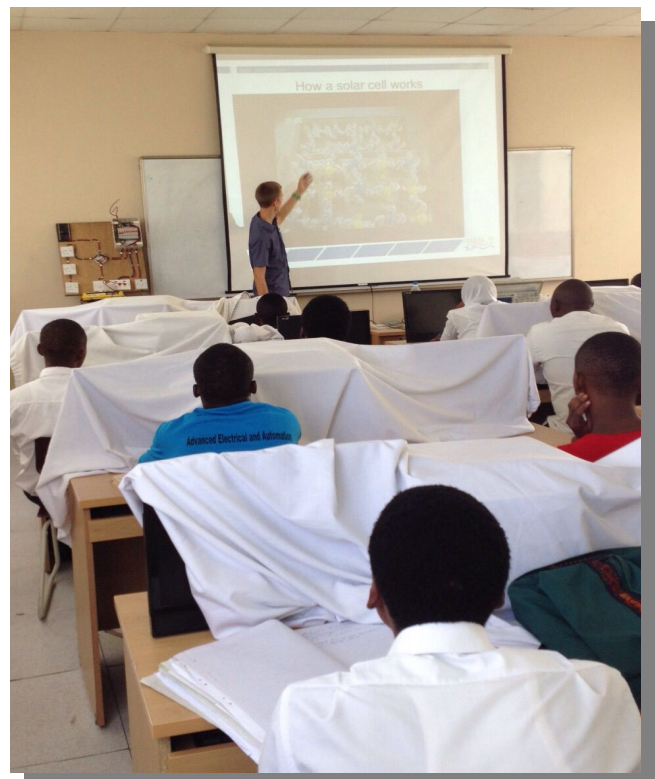
TAREA in cooperation with VETA, Daressalam

Situation

Even though the use of renewable energies is increasing within the last years in Tanzania, many people still do not know very well about these new technologies. Also there is a big lack of professionals in this area.

Promoting Renewable Energies

The aim of the project was to give an introduction about climate change, renewable energies and job opportunities to students from



Picture 4: DTP-volunteer Jonas Kuhnhardt during the workshop

a “VETA School” It was also an aim to raise the knowledge and awareness about renewable energies and the interest of students to participate in the upcoming training program of the VETA-Curriculum for renewable energies.

Cooperation with companies

The school program consisted of a five day workshop. This program was held and organized by DTP-Volunteer Jonas Kunhardt, guided by his boss Eng. M. Matimbwi. A short survey about the course: The first day started with an introduction about the connection between climate change and the use of fossil fuels. Hence every day has been dealt with a different renewable energy technology, for example solar, wind, biogas, geothermal and water. In addition, experiments with solar panels and water bottles were conducted, as well as two companies dealing with renewable energies “Ensol Tanzania Limited” (Solar) and “SimGas” (Bio gas) were visited. On the last day, the pupils had to write a test.

Multipliers to family and friends

Through attending the school program, the students gained a basic knowledge about renewable energies and their usage, as well as being able to name and describe several forms of renewable energies and also know basic technical backgrounds. Furthermore the students have a function as multipliers to their family and friends.

Carrier opportunities

It is expected and requested to raise the number of students being interested in becoming renewable energy specialists after finishing their studies. This could help to face the demand for specialized technicians and engineers in the field of renewable energies.

Renewable Energy School Program for Primary Schools

KAKUTE, Arusha

Network with Ward Officers

The DTP-volunteers at KAKUTE together with their Tanzanian colleague built up a network together with the local Ward Officers located in Arusha. The Officers cooperated strongly and informed their ward about the program and they helped to find suitable school partners for the co-operation. Ideas for a sustainable Future

The main project activity was to teach three classes of young students about environmental issues: the importance of protecting the environment, understanding environmental pollution and climate change as well as to create knowledge about renewable energy technologies.

Competition to motivate young students

One goal is to motivate young students to inform themselves about environmental topics and renewable energies. All students that participated in the renewable energy school program were allowed to take part in a competition. The winners of the competition were selected by a small committee and received a price.



Picture 5: DTP-Volunteer Tim producing Jatropha Soap together with the Students from Highridge Primary School

Opportunities to spread the word

The program, with the help of the Ward Officers is known well within Arusha. Through motivating the students and creating awareness about the mentioned topics, also their families and friends can be reached.

Installation of Solarpacks

Moto, Zanzibar

Promotion of Solar Energy

The project „Solarpack Installation“ managed by Moto, has a focus on promoting Solar Energy and generating awareness about environmental topics in non-grid areas of the Island Zanzibar (Unguja).

The utilization of solar energy systems is playing a major role for protecting human health and the environment by reducing air pollution through petroleum driven products like kerosene lanterns. Furthermore solar can increase the living standard of people in non-grid areas, by providing the electricity for communication through mobile phones and light for doing activities during night time.



Picture 6: Moto team installing a SolarHomeSystem in the rural area of Zanzibar

Emphazising the advantages of Solar energy

Our volunteers and their Tanzanian colleagues from Moto held education days in different villages on Zanzibar to awaken the interest of people in solar energy and to emphasize the advantages of solar energy.

Experience on selling solar systems

Since Moto already had made some good experiences with selling solar systems on a monthly instalment basis, the experience from the first implementation is used with all installations now if families wish. The project was expanded to more and more villages where a lot of new interested people and possible customers could be found.



Picture 7: Volunteers with their Tanzanian colleagues installing a SolarHomeSystem

Arts and Culture Walking Event

SEA, Zanzibar

Inspire!

The “Kuhamas-isha” (Inspire) arts and cultural walking event was established by the Cultural Arts Centre and the NGO Sustainable East Africa as a way to introduce people to not only



Picture 8: Workshop for students how to make soap

the cultural sector, but also to the buildings which they inhabit and their histories, and how they are now used now.

Focus on evolution of cities

Any discussion about the regeneration of a town or city will include a focus on the role of the cultural and creative movement and industries – the cultural sector is playing an increasingly significant role in the evolution of cities. Hubs of intensive cultural activity attract new residents and industries and can lead to new innovation, growth and expanded opportunities. In Zanzibar’s Stone Town, as with many other places, the cultural sector is finding ways to lead the re-purposing of historical, commercial, industrial and residential buildings.

Connection to Sauti za Busara Festival

Over the course of the Sauti za Busara Festival there were done 10 guided tours through the city, taking groups of tourists, residents and school and college students to meet a variety of the artisans working in their work-

shops and studios, including a music recording studio and 2 urban permaculture garden projects. The excitement and interest shown by the young Zanzibaris discovering a world of creativity and history uncovered within their own city, was moving. Visitors too remarked the pleasure they derived from seeing the historical buildings being brought to life and often back into use creatively.

Repeatable and sustainable

The tour wasn't just limited to the festival. It can be repeated every time. Creative industries are vitally important as a means to raise community involvement and empowerment, and to provide a focal point for community pride and identity.



Picture 9: DTP volunteer Elisabeth Stahl with participants from the local secondary School