



Editorial

Dear members, dear friends and dear facilitators of **Technology without Borders**,

the volunteerism and the charity is and remains an unbending basic principle of our association. From time to time it is good to take a step back in time to remember how it all began.

17 members have founded this association, 5 of them were VDI members (Association of German Engineers), 2 of them chairmen of district associations of the VDI, in one case with up to 6400 members. The second important group were 4 Rotarians. Also here 2 of them Past Presidents.

Both groups gave our association significant impulses. The technical orientation of the association came about via the VDI. Rotary, one of our most important sources of donations to this date, introduced the charitable aspect to the association with its "service above self" - selfless service. This was the prerequisite for us being an e.V. - registered association since the beginning and thus being able to issue donation certificates to our donors. This tax advantage for the donor means that a part of the donation amount will be reimbursed to the donor by the state. This charitable status must be maintained under all circumstances. This includes that we may not engage in commercial activities, nor do we pay members for their voluntary work. To ensure this, this principle is laid down both in the TwB constitution (rules and regulations for our TwB organisations outside Germany) and in our own German TwB articles. In addition it is guaranteed that we do not have 2 classes of members, some who get money for their voluntary work and the others who get nothing.

Expense allowances for costs incurred within the scope of the project will of course be invoiced against receipts within the project.

A violation of this basic principle immediately calls into question any further membership in our association in Germany and abroad.

The task of the Board is to ensure that this principle is observed everywhere. In this sense, we remain sincerely you Board

F. Neumann, F. Regler, R. Schullan, N. Nguyen, V. Birk, M. Huber, D. Schaffert, M. Stephan

Pre-exploration in Gambia with international outbound team

At the suggestion of the Rotary Club Amberg, the first international outbound team of Technik ohne Grenzen with Ghanaian and German project leaders had the chance to visit Gambia at the end of May. The project was planned in cooperation with the association Socialis for Gambia e.V. and served as a preliminary exploration in different places.

In autumn 2017 the Rotary Club of Amberg established contact to Amberg's association "Socialis for the Gambia e.V.", which runs a school with 600 children and a training center on the country's coast and a vocational school for tailoring and agriculture inland. When the project team in Amberg realized that only a long-term cooperation with the local population makes sense, the Rotary Club Amberg as main sponsor assured its interest in such a long-term and sustainable project with a previous pre-exploration.

From 18.05. - 02.06.2018 project leader Adelheid Gonschorek from RG Amberg together with Verena Vedder from RG Rottenburg and Nasiru Salifu from the country group Ghana used a two-week stay in the West African Gambia to get in touch with potential project partners and the technical and social environment for potential future projects. The fact that this was the first time that an outbound team had travelled internationally has proven to be a successful model. Not only everyone was able to score points in their own specialist areas (sanitation, water, recycling), but it has also been shown that cultural barriers and prejudices can be overcome more easily

The outbound team was accompanied by the project coordinators of Socialis for the Gambia e.V. Samba Sowe and Hatab Beyai during the exploratory phase in Gambia, who organised a meeting with various parties relevant to the project. One of the most important dates in Sintet was the meeting with the village council. It has emerged that drought and a lack of water supply are the most urgent problems. The team realized after several analysis, that many wells are of limited use due to their water capacity or water quality. Tap water is only available for a few hours a day.

Another important station was the vocational school of Socialis for the Gambia e.V. with tailoring and agricultural school. The irrigation sector plays an essential role here too. Initial ideas were developed together with the agricultural teacher on how to improve the water supply. Also how fertilization could become independent of external purchases through targeted composting and the use of feces from a sustainable toilet concept were discussed.

In Brufut, the focus of the preexploration was on the energy supply and IT for the school and the training center.

In addition to the institutions of Socialis for the Gambia, other public institutions as well as the country's largest waste disposal site were visited.



Finally, the pre-exploration was concluded with the decision to develop a long-term plan in cooperation with all involved parties. With the help of information and newly made contacts, various fields of water, energy, IT and waste are to be realized in the next few years.

The inspection of a well

the collected various projects in shall be realized

Aziza Ernst, RG Amberg

About the cooperation of Wasser ohne Grenzen e.V (WoG) and Technology without Borders e.V. (TeoG)

TwB and Water without borders (WoG) have benefited from a successful and long cooperation between the two associations. Water projects have been carried out all over the world and many locals and also members of both parties appreciated the work and collaboration.

Since 2013 there has been a partnership between TeoG and WoG from which both associations benefit in every respect. Through this collaboration, we have been able to implement projects and improve the lives of many people around the world.

Our association Water without borders was founded in 2012 by committed Rotarians in Leipzig with the aim of supporting the Rotary Clubs in Germany, Austria, and Switzerland in the implementation of WASH projects (Water, Sanitary, Hygiene). We have looked for water coordinators in all fifteen German districts, each of whom looks after around 60 clubs.

Projects between TeoG regional groups and individual Rotary clubs have been developed thanks to this collaboration. To give a few of examples: the hospital project in Fotadrevo, Madagascar, with RG Leipzig/Berlin or the cooperation between RG Rottenburg and Stuttgart clubs or now between RG Hamburg and Club Oldesloe

Another project of our cooperation will be implemented this year. Verena Vedder and Frank Neumann are about to prepare a wastewater manual in order to provide our members and clubs with an overview of technological variants. WoG (Wasser ohne Grenzen) has stimulated this work and supports this project with an allowance. Rotarians are very dedicated, but mostly busy with their careers and therefore have little time to spare. This is why it is wonderful chance for us to have a partner in TwB who can take care of the development and implementation of a project. And by the way, you also motivate us very much.

In addition to carrying out WASH projects in developing countries, we are also active in the field of environmental education in cooperation with primary school students. For example, we initiated the "Hiking for Water" campaign in various cities, for which pupils carry up to 6 liters of water in their backpacks over a distance of several kilometers. This is a chance to experience what pupils in Africa are forced to do every day to supply their families with water. We're working with Rotaractors (Rotarian's youth organization) to organize this event. Rotaract clubs (www.rotaract.de) exist in many university towns, and many collaboration in between TwB RGs and our youth group are already existing. We all benefited from those relationships and looking forward to expand them.

Once a year, we hold a professional "water forum" for our members, district water coordinators, and interested Rotarians which can be understood as small fair. Through regular participation of the chairman of TwB, there is also a lively exchange during this event.



The installation of a PAUL filter in Sierra Leone in March 2018

Thanks for the great cooperation and we are looking forward to further mutual support and projects!

*Axel Schöpa, Rotary Club Leipzig-Centrum
and Chairman of Wasser ohne Grenzen e.V.*

Short Communications

RG Araranguá visits the Rotary Club of Araranguá

In May, Lutz Michaelis and Mrs. Prof. Katiá Madruga of the RG Araranguá, Brazil visited the Rotary Club in Araranguá. During a short presentation the association Technik ohne Grenzen, founded in Germany, was introduced. In the further course the presentation of the two RG projects of a low-cost biogas plant and the concept for a MakerSpace container took place. The concept envisages a standardised container in which, for example, all process steps for a solar thermal plant can be implemented with components available from the DIY store or all the process steps required within the framework of the e-waste project to dismantle a computer. Due to this standardization, the container concept can be used worldwide.



President Claudio Garcia, Lutz Michaelis,
Prof. Katiá Madruga

During the presentation, special interest was shown in the fact that TeoG was founded by the Rotarian Dr.-Ing. Frank Neumann and that the association cooperates with Rotary clubs all over the world. President Claudio Garcia thanked and expressed his interest in supporting projects on behalf of the club.

Lutz Michaelis, RG Araranguá, Brasilien

New Project of Rhein-Main

The RG Rhein-Main just started to work on a new project. It deals with the improvement of the infrastructure in a children's home in Sri Lanka. The preexploration is about to start in February to have a look on how the energy supply in the children's home can be improved, e.g. by the installation of a biogas plant, microbial fuel cells or by maintenance and repair of an existing photovoltaic plant. See the TeoG homepage for further information.

Technology without Borders introduces itself on a RYLA Seminar of Rotary

A Rotary Youth Leadership Award (RYLA) – Seminar entitled “Integration and Tolerance in Europe - Chances and Risks” took place from July 13th to 15th in Bad Windsheim. The aim of the seminar was to further the integration of young refugees in Germany and also building up perspectives for them in their home countries at the same time. All of them get through vocational trainings with the patronage of the chief administrative officer of the rural district Greiz, Mrs. Martina Schweinsburg.

By invitation of the two Past Governors Bernd Koob and Rüdiger Götz from the Rotary Distrikt 1950 Technology Without Borders got the chance to show its entire branch of projects and action fields with project leaders from eight different projects. Therewith not only the current challenges but also our solution approaches were presented.



Jan-Marc Schwidtal

Animal voice box for eco-trail in Guatemala

The Rotary Club Erlangen Castle, and in particular the artist and Rotarian Dieter Erhard, has been supporting a project in Guatemala for a long time. In concrete terms, the "Centro Madre Teresa" cares for children with underweight or overweight. The facility also includes an eco-trail which is now being extended to include large showcases. Some of the animals native to Guatemala are shown and the appropriate animal sound (animal voice) is played at the touch of a button.



TeoG members from Erlangen from the Hospital Support working group provided support for the technical implementation and on Saturday, 25th August, together with members of the Rotary Club, set up the technology in a large "Hau-Ruck" campaign. The project was presented to the press under the eyes of the Bavarian Minister of the Interior. A total of 4 such boxes were built, three of which will be sent to different locations in Guatemala this year. One remains in Germany and can be admired in the Tennenlohe Forest Adventure Centre, near Erlangen.

Jonas Puschmann

Presently running and finalized projects:

www.teog.ngo

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