

CLEAN WATER– HEALTHY VILLAGE 2021, Summary Annual Report for Donors



IAGU LIMPO - TABANKA SAN

CLEAN WATER - HEALTHY VILLAGE

CW-HV's activities and results in 2021 are a continuation of previous years. Providing clean and safe drinking water for rural households in Guinea-Bissau and Kenya using the Calabash Cistern and Rain Water Harvesting. The cisterns are affordable and built with local resources. The Calabash concept has spread to 12 more African countries. In 2021 almost as many Calabash Cisterns have been built (859) as last year (871). The largest numbers were built in Guinea-Bissau (375) and Kenya (128). Our policy is to concentrate our activities in the coming years in these two countries and to use the Knowledge Center in Guinea Bissau (for West Africa) and in Kenya (for East Africa), if possible, to support projects in other African countries with training and start-up. The project leaders in **Guinea-Bissau** have traditionally been Sadjaliu Djalo, Julio Na Honta and Domingos Tchuda. Our work forms a basis for new initiatives. It is about the health of families, young men and women receive training and gain employment. Women from motivated villages organize themselves, use the Calabash to water communal vegetable gardens, which is good for food quality and the economy. **Local project leaders have built 859 cisterns in 11 countries (308 of which were spin-offs).** About **100 Mini Calabashes** have been built especially for hand washing at schools and markets, initially in response to COVID.



Guinea-Bissau, women meet to discuss at Madina Moude Bouco, a motivated village.



Calabash Cisterne used for irrigation



Spread of Calabashes in Africa



Women watering their vegetable garden, Bissora

Overview of results in 2019, 2020 en 2021

year	DGW production and spin-off*	Guinee-Bissau incl. Empada	Senegal & Conakry	DR Congo	Nigeria Effata	Kenya	Ghana Madagaskar	Tanzania Zambia	Malawi Mexico
2021	551 +308* = 859	350 + 16*	37*+ 12	42 + 39*	105*	125 + 3*	12* + 51*	10*	(64+24*)+35*
2020	583+288* = 871	422 + 19*	60* + 10	10 + 40*	100*	77 + 10*	3* + 20*	10*	42 + 27*
2019	446+259* = 705	373 + 12	17* + 12	20	150*	30	10* + 9*	21* + 4*	19 + 17*

859 Calabash Cisterns were built. 551 with support of our Foundation, and a further 308 as spin-off, using local resources. A Calabash Cistern costs € 250,- in Guinea-Bissau. The owner pays € 90,- , the Foundation supports with € 160,-.



Maasai village Olekoros, Kenya



Paul and Alfred in front of the guesthouse in Olokoros, with nearby a Mini Calabash



The CW-HV project in Kenya is directed by Alfred Tobiko. Together with his 3 teams they have this year constructed 128 Calabash Cisterns. In the new guesthouse Alfred has hosted visitors from Uganda, Tanzania and the Netherlands. Recently the team was invited to run a training course on Calabash construction for Caritas Kasese, in Southwestern Uganda. Caritas has now started building cisterns on its own in Uganda.

National and international training courses foster the spread of the Calabash Cistern. A training held in Malawi in 2019 led to two more projects in 2020 and substantial uptake in 2021. Training courses have been held in Guinea-Bissau, Guinea Conakry, Senegal, DR Congo, Ghana, Kenya and Malawi. Recently training took place in Uganda and Cameroon. Existing projects in Nigeria, DR Congo, Tanzania, Madagascar and Mexico find their own way.



Training in Gabu, Guinea Bissau



Kanyumbu Village meeting, Malawi, with Han Heijnen



Training in Fatigue, Senegal

Management: Board members Paul Akkerman and Han Heijnen have visited the local project leaders at the end of 2021 and maintain regular personal contacts. Our works contributes to the achievement of the UN Sustainable Development Goals for **drinking water: SDG 6**. We collaborate with larger organizations such as Partin, the SMART Centers Group and IRHA (International Rainwater Harvesting Alliance). **Our MANUALS in 3 languages** have been updated in 2021.

Perspective: The Calabash Cistern turns out to be a good and beloved design of African origin. Our vision for the future is that the Calabash Cistern will find a permanent place in every household in rural Africa. Having your own secure supply of safe water at home is a necessity of life: SDG6.

Through increasing calabash visibility and the networking of our centers in Guinea-Bissau and Kenya, we expect to inspire other projects in the coming years and achieve a growing spin-off. The Calabash Cistern plays a stimulating role in a renewing culture generated by the local people themselves.



Maasai women carrying water from the river

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Calabash Cistern Manual 2021

The financial report and the manuals of the Calabash Cistern are available on our website www.cleanwaterhealthyvillage.com
 On behalf of the CW-HV Board I thank you, as our sponsor, for your generous contribution to our 2021 program. We are encouraged that these first Calabash projects have inspired several follow-on projects. *Thank you very much!* March 2022