CASE STUDY:
SDG 6: CLEAN WATER & SANITATION

WORKING TO ENSURE THE EQUITABLE ACCESS TO WATER AND SANITATION

The United Nation’s Sustainable Development Goal 6 is working towards ensuring the availability and sustainable management of water and sanitation for all.

The Carbon Zero Scheme proudly supports projects such as Ugandan Borehole Rehabilitation and Kenyan Energy Efficient Stoves which provide access to and the resources for safe, clean drinking water alongside education on sanitation and personal hygiene.
CASE STUDY: SDG 6: CLEAN WATER & SANITATION

IMAT ADONGO KEREN

65 year old Imat Adongo Keren lives in the Otuke district in Northern Uganda. She is a mother to 9 children. On a daily basis Imat would have to travel over 1km to try and gather enough water for her family. This water source was shared with animals, used for washing clothes, treated as a swimming pool and as a waste dumping ground. The same water would be used for consumption which left Imat’s family incredibly ill. This highlighted the lack of information Imat’s community had on hygiene, which allowed her source to become contaminated.

Since the rehabilitation of their local borehole, Imat’s family have had access to safe, clean and treated water. The community has also received WASH (water sanitation and health) training on the importance of protecting their borehole and personal hygiene. Imat has seen a vast improvement in her health as well as her entire family’s well being. With less time spent being ill and money spent on medicine, Imat can now invest in her family’s future.

“We are so happy to have this borehole and to be able to immediately access precious safe water. We have the time to work and invest in educating our children and grandchildren.”

- Imat Adongo Keren

BENEFITS

> Improved health, hygiene and sanitation
With access to uncontaminated water sources and education opportunities on personal hygiene, water storage and proper sanitation, many villagers have seen a dramatic improvement in their personal and family health. As water is tested and treated regularly at boreholes the projects enable for the continuous safe consumption of water.

> Reduced water scarcity and environmental benefits
The Carbon Zero Scheme enables its recipients to access or provide clean water with minimal capital and time input. This has enabled users to gather enough water as is required without having to sacrifice other essential activities.

> Increased time for development and self-care
With less time spent collecting and purifying water recipients of the Carbon Zero Scheme are empowered to focus on other key activities. Money freed up from the purchase of firewood enables many families to support their children through education. Time saved from collecting and purifying water can now be spent on income generating activities or personal projects.

PATRICIA OKUMU

75 year old Patricia Okumu lives in Kisumu County, Kenya. As in much of rural Kenya Patricia faces chronic water shortages. Surface water supplies such as pools and streams are often contaminated due to the presence of pit latrines and animal waste, which meant water had to be boiled to be safe for consumption. With the demand for firewood increasing, deforestation was impacting on both water and soil quality.

Patricia received her Energy Efficient Stove from the Carbon Zero Scheme in 2012. The stove requires less fuel, which meant that Patricia now to spends less time collecting firewood. With the free time, Patricia and her husband were able to plant more trees as recommended by the Carbon Zero Scheme and also dig a well, fitted with a hand pump. They now have access to clean water a few meters from their home and are enjoying a richer environment thanks to the increased vegetation.

“We are so happy to have this borehole and to be able to immediately access precious safe water. We have the time to work and invest in educating our children and grandchildren.”

- Patricia Okumu