

DROP THE ACT

DROP THE GLOBAL CO₂ EMISSIONS BY GIVING ACCESS TO
CLEAN WATER IN UGANDA



CO2logic.com



15 WELLS
BUILD OR
RESTORED

 **153**
HECTARES
OF FOREST


17 000
PEOPLE

46 M
LITERS
CLEAN WATER 

256 000
SAVED TREES


30 000
TONS OF CO₂
AVOIDED

IN A FEW WORDS

IMPROVING LIVES.

In Uganda over 45% of the rural population do not have access to safe water and rely exclusively on unprotected wells, lakes and other open water sources that are highly susceptible to contamination. Safe water wells are often not available or damaged due to poor maintenance. The only option for many rural Ugandan people is to use wood fuel to boil and purify water.

This process results in deforestation and the release of greenhouse gas emissions from the combustion of wood, which can be avoided with a clean borehole.

By providing safe water this project ensures that households consume less firewood to purify water. Therefore it reduces greenhouse gas emissions.



IN UGANDA

PEOPLE LACK ACCESS TO CLEAN WATER

■ Issue n°1

The fast growth of population in Uganda (nearly 3 times the global average) endangers the weak water and sanitation services that exist. Before the project, most of the water used to be collected from contaminated sources: on average, 47,50% from lakes or pools and 52,50% from open wells. Surveys demonstrate that at least 3 hours per day are spent collecting wood and 2 hours are devoted to collecting water.

■ Issue n°2

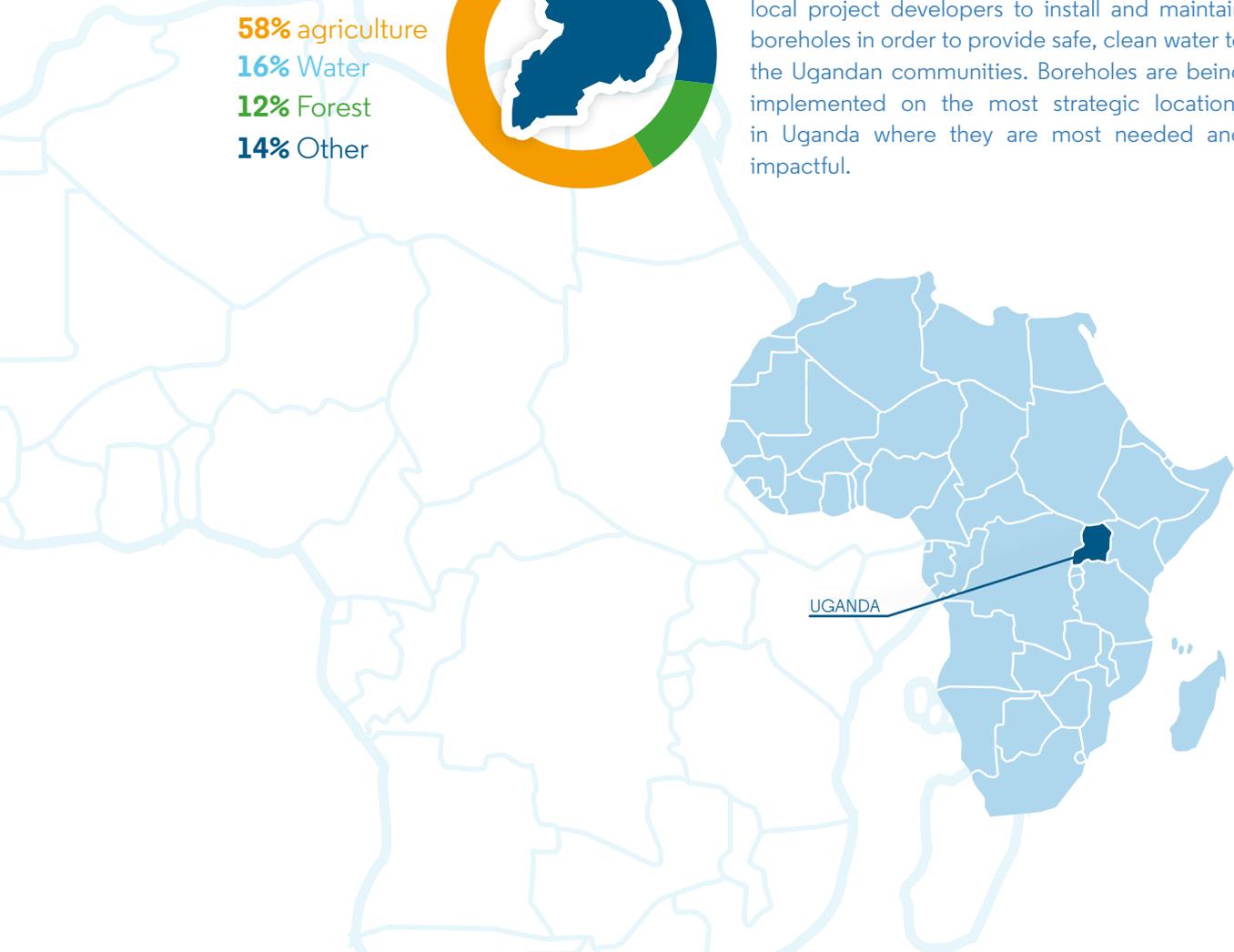
Almost all energy consumption for cooking and heating relies on the use of wood and charcoal, which results in high levels deforestation. The forest however, provides protection against erosion, landslides and floods, as well as maintaining soil fertility and fixating carbon out of the atmosphere. On top of that is it important for the biodiversity and national economy.

UGANDA
241 551km²

- 58%** agriculture
- 16%** Water
- 12%** Forest
- 14%** Other



To tackle this problem, CO2logic works with local project developers to install and maintain boreholes in order to provide safe, clean water to the Ugandan communities. Boreholes are being implemented on the most strategic locations in Uganda where they are most needed and impactful.





REHABILITATION OF WELLS

The main objective of the project consists of repairing damaged wells, maintaining them and drilling new ones. These wells provide clean water that can be accessed through a borehole. To make sure it's safe for consumption, the water is regularly tested beforehand.



TRAINING & MANAGEMENT

The local project developer works with local NGO's and mechanics that are responsible for the rehabilitation and maintenance of the boreholes. A permanent project officer is located at the project sites to oversee and coordinate the work completed. He also coordinates water, sanitation and hygiene committees.



SUSTAINABILITY OF THE PROJECT

In order to ensure financial and logistical sustainability of the project, CO2logic proposes these credits to companies, organisations & travelers wishing to offset their climate impact in order to obtain their CO2-Neutral label.



REHABILITATION OF WELLS

THE PROJECT CONSISTS IN REPAIRING DAMAGED WELLS AND MAINTAINING THEM IN THE LONG RUN

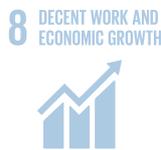


IMPACTS OF THE PROJECTS



The Gold Standard certification body checks the impact of the project throughout its lifespan, both in terms of greenhouse gas emissions reduction and several other co-benefits. In order to do so, a lot of data has to be collected on the spot, such as the quantity of wood used to boil water if the project didn't exist, the number of women positively impacted by the project, etc. This data is collected by independent researchers, according to specific criteria defined by the Gold Standard.

Each level of the project allows important CO₂ reductions & creates many co-benefits for the local population, in line with United Nations Sustainable Development Goals.



WASH COMMITTEE

WATER, SANITATION & HYGIENE
MANAGEMENT COMMITTEES.

A PROJECT FOR THE PEOPLE OF UGANDA, BY THE PEOPLE OF UGANDA.

Getting their community involved in keeping the water clean: reunions are held in villages during which Q&A sessions, role games and explanations are given concerning the following themes:

- Disease transmission risks;
- Positive effects of hand washing;
- The usage of pit toilets;
- What are the clean and dirty water sources, and how to keep water clean;
- Keep the food and utensils clean;
- Good health and clean environment go together.

Training managers locally for the maintenance and protection of the wells:

they make sure that the surroundings of the wells stay clean and protected against animals or vandalism.

6 CLEAN WATER
AND SANITATION



IMPROVING LIVING CONDITIONS ALSO COMES WITH GENDER EQUITY.

The project also proposes to teach to women's groups how to make soaps from plants and herbs. Apart from using this at home, they can also sell the soap and earn an extra income to meet other basic needs in their households.

Where water access is difficult due to the lack of a functioning borehole, the burden of water collection on women can become particularly intense, often taking up to 6 hours per day which leaves very little time for rest, education and income generating activities.

It has been observed for several years that our borehole projects have very positive impacts on gender equality in target communities. In Uganda as in many countries in sub-Saharan Africa, the burden of collecting crucial household resources like firewood and water falls disproportionately on women.



3 GOOD HEALTH AND WELL-BEING



- Health, nutrition and education awareness;
- Reduction of the diseases due to the usage of contaminated water, such as cholera, diarrhea, typhoid or hepatitis;
- Avoid pollution inside homes, due to the burnt wood smoke and contaminated particles when boiling the water.

13 CLIMATE ACTION



By lowering the necessity of wood as fuel, and by conserving 153 hectares of forest, CO2logic and its partners avoid a total of 30 000 tons of CO₂.

This is the amount of tons that would otherwise be emitted, if the local population had no access to clean water.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Uganda knows the importance of adequate water procurement and sanitation services as motors of social and environmental policy, as well as economic development, poverty reduction, innovation and public health. On a yearly basis 15 rehabilitated wells provided about 46 million liters of clean water.

OTHER CO-BENEFITS

In addition to the reduction of CO₂ emissions, by saving 256 000 trees, different climate impacts are measured:

- protection against soil erosion, landslides, floods;
- maintaining soil fertility and limitation of water run-off;
- carbon fixation;



13 CLIMATE ACTION



CLIMATE IMPROVEMENT



Avoid pollution inside homes



Reduction of carbon emissions



A preserved ecosystem

BETTER HEALTH



3 GOOD HEALTH AND WELL-BEING

Disease reduction



Hygiene improvement



6 CLEAN WATER AND SANITATION

Nutrition improvement



CLIMATE

HEALTH

ECONOMY

PRESERVATION



Less burnt wood



Leading to less deforestation



Limitation of soil erosion



Preservation of biodiversity



NATURE PRESERVATION

Leading to gender equality



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Decreasing fuel costs



Rehabilitated infrastructure



5 GENDER EQUALITY

Saving time



ECONOMY & EMPLOYMENT



CLIMATE ACTION

“HOW CAN WE REDUCE OUR CLIMATE IMPACT AND THAT OF OTHERS?”

This is the first question the team of CO2logic asked themselves, back in 2004.

There are often limits to the CO₂ emissions that can currently be reduced, and each remaining ton of CO₂ has a high cost for society & future generations.

At CO2logic we firmly believe that future generations are not responsible for these “climate disruption costs”. That’s why CO2logic supports companies and organisations in reducing and offsetting their impact on climate & the environment: by supporting & developing climate projects that generate carbon credits. This is the way to give back and restore the balance.



A WORD FROM ANTOINE GEERINCKX, FOUNDER OF CO2LOGIC

“There is only one atmosphere and there are no borders for CO₂ emissions. Our climate projects help in avoiding deforestation through education, collaboration, energy efficiency, fuel switch, renewable energy, reforestation, access to clean water. We act to improve the livelihood of local people while addressing the global climate breakdown. We are all interconnected.”



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