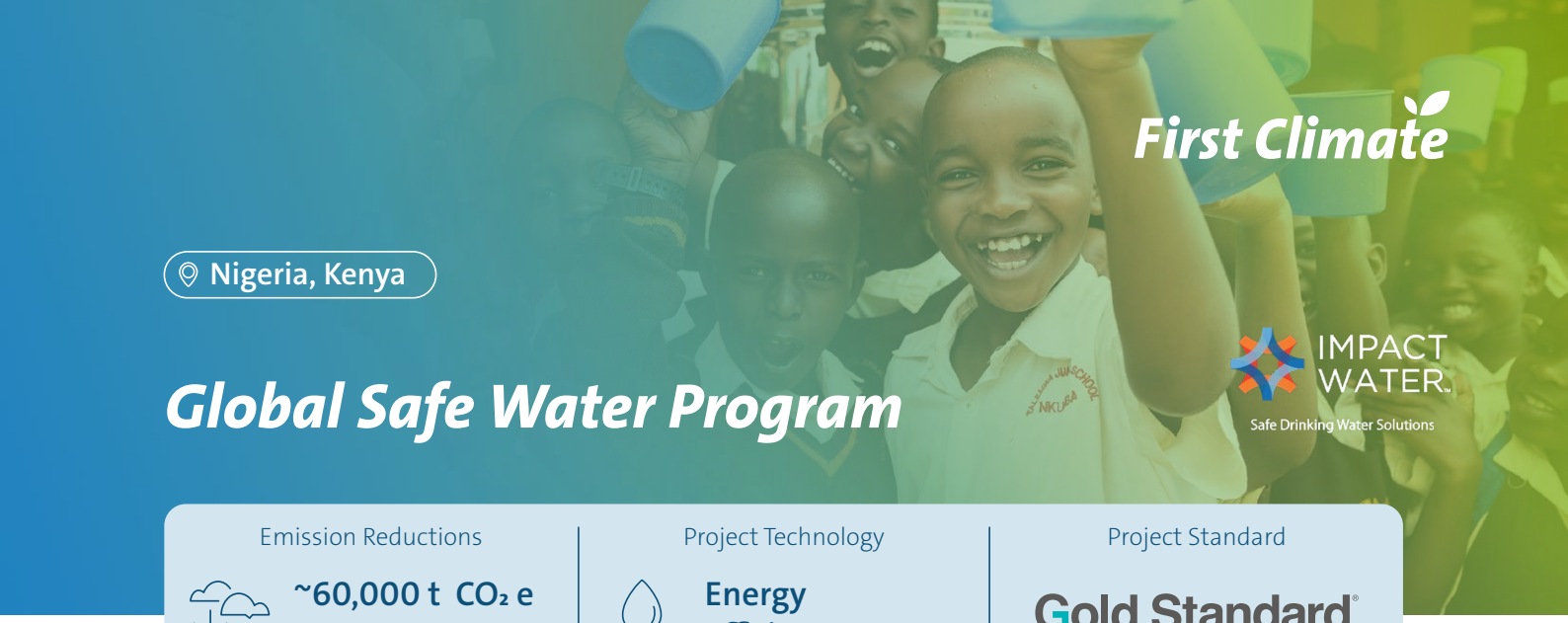

First Climate

Nigeria, Kenya

Global Safe Water Program

IMPACT WATER
Safe Drinking Water Solutions

Emission Reductions	Project Technology	Project Standard
~60,000 t CO_2 e p.a. per PoA	Energy Efficiency	Gold Standard®

Schools worldwide face numerous challenges, especially when essential health and safety measures are lacking. Access to safe water is a daily struggle, and boiling water is often the only available option to ensure the water is safe for consumption. Moreover, affordable and easily maintainable treatment technologies are typically inaccessible. Fortunately, innovative carbon financing now enables the use of emission reductions to provide a sustainable and cost-effective means of expanding access to safe water in schools.

Our partner impact water is a global social enterprise dedicated to providing safe drinking water to schools. The project offers low-cost, reliable water treatment technologies as well as installation, maintenance, and repair services to primarily public schools in Nigeria and Kenya. Funding is secured through carbon emission reductions resulting from the displacement of boiling water and the associated firewood. The project utilizes water purification technologies that meet national and international drinking water standards. These systems can be installed in schools without electricity or piped water, ensuring a solution for any school, regardless of their infrastructure challenges. The project is a “PoA” or project of activities, which means it consists of several small sub-projects. All activities are financed through the sale of carbon credits. The project has reached over 40,000 schools and more than 16 million children and adults. Its total climate impact equals around 2 million tonnes of avoided carbon emissions per year. By the end of 2025, over 100,000 schools will directly benefit from the project.

info
about project standards and technologies:
firstclimate.com/tech

Supported Sustainable Development Goals


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Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.

The project leads to socio-economic progress: According to the WHO, the investment of 1 US dollar in water and sanitation projects generates an economic added value of 4.3 US dollars.

Clean water is a crucial prerequisite for health and well-being. The water treated as part of the project is suitable for drinking as well as for other sanitary purposes, this benefits female students and teachers, in particular.

Safe access to clean water is an important basis for regular school attendance. Only when pupils have sufficient drinking water can they effectively take part in school lessons, supporting the human right to education.

Adequate hygienic conditions at schools are essential, and are especially indispensable for schoolgirls. During menstruation, it is hardly possible for them to attend school, which explains why they cannot regularly participate in classroom lessons.

It is estimated that over 40% of diarrhea cases are attributable to contagions in the school environment. The availability of clean water is therefore an important and direct contribution to preventative healthcare.

The project activities lead directly and indirectly to the creation of new employment opportunities. Beyond treatment system installation, service, and maintenance, numerous new jobs have been created for the local population.

The project contributes to lower biomass consumption and thus to a reduction in indoor air pollution, especially in households. The water filter systems eliminate the need for boiling and thus prevent the release of CO_2, CH_4, CO, and other toxic particles.

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TÜV NORD CERT GmbH Verified Carbon Offsetting

Disclaimer: The displayed SDGs are selected based on relevance and project evaluations by First Climate.