

# Switching to Renewable Fuel in Burundi schools' Kitchen

## Project description

The project consists in locally-manufacturing improved cookstoves for Burundi's schools and switching from non-renewable logged trees to a sustainable energy supply: briquettes made of renewable biomass.

Between 1990 and 2010, Burundi (a landlocked country classified as a Least Developed Country) lost 40.5% of its forest cover. In parallel, the annual available amount of renewable biomass, which is not used, is more than 1.3m tonnes / year.

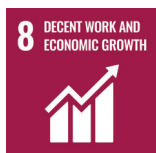
Currently, in most schools kitchens consists essentially of using an open fire system (3-stone), and traditional stoves. These stoves are notoriously wasteful with an efficiency level of 10-15%, and they produce harmful smokes.

It is difficult for parents to provide the 2kg of fuelwood per day and per schoolchild needed for the canteen. Thanks to the project, children living in deforested area are no longer afraid to go to school because they do not have cooking wood. The attendance rate rose from 75-85% to 98%.

## Project developer

BQS has more than 15 years of experience and is operating 5 successful carbon programs, employing 175 staff and generating \$2m of turnover (2021). Their production facility is located in Bujumbura. The site stretches across 6 hectares and features 3 lines of production for the stoves. A fleet of 14 vehicles is dedicated to supply & deliveries.

## Sustainable Development Goals



**adera**

## Project details

### Project name:

BQS Improved Cookstoves for Burundi's Schools

### Project type:

Efficient Cooking stoves

### Location:

Burundi

### Project owner:

BQS

### Status:

Operational

### Project ID:

Verra VCS 2616

## Key facts

**180,000 tCO<sub>2</sub>**  
saved/year.

**940 stoves**  
distributed since 2019.

**284 schools**  
equipped.



The program takes place in all Burundi

## Pictures



## Impacts



Between 1990 and 2010, Burundi lost 40% of its forest due to deforestation.

**The project avoids deforestation in the country.**



It is difficult for parents to provide the 2kg of fuelwood per day and per schoolchild needed for the canteen.

**Thanks to the biomass briquettes, the parents don't need to provide any fuelwood.**



Children living in deforested area are no longer afraid to go to school because they do not have cooking wood.

**The attendance rate rose from 75-85% to 98%.**



Traditional stoves produce harmful smokes.

**The project reduce indoor air pollution and related risk to respiratory diseases.**

## Key facts




**3,000 tons**  
of biomass briquettes distributed each year.

**50 people**  
working on this program  
(manufacturing and distribution).

**80%**  
reduction of fuel consumption  
and associated expenses.

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