



**ONE COOKSTOVE SAVES TREES,
HUNDREDS SAVE FORESTS.**

IN GHANA



CO2logic.com

GHANA COOKSTOVE PROJECT
With the support of



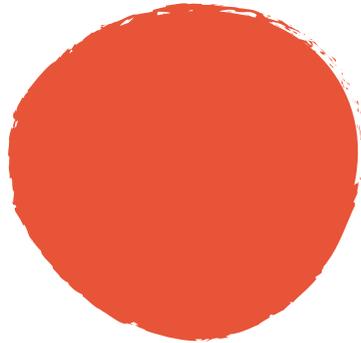
5 987 200
TREES SAVED



6 615 HECTARES
PRESERVED

46 000
COOKSTOVES
BUILT

220 000
TONS OF CO₂
AVOIDED



IN A FEW WORDS

MARKET COOKSTOVES TO OFFSET CO₂ EMISSIONS.

Conventional cooking methods using solid fuels on open fires or rudimentary cookstoves are inefficient, unhealthy, and unsafe. Their negative impacts range from the extensive time and costs required for wood/charcoal collection to the negative impact on public health and the environment. Ghana has a 60% decrease in its primary tropical forest, among other factors due to the need of charcoal. The aim of this project is for CO2logic and its partners to support the development and distribution of efficient cookstoves in order to save millions of trees, support families, boost economic activities and improve health conditions in Ghana.



IN GHANA

UNSUSTAINABLE DEVELOPMENT PRACTICES THREATEN THE COUNTRY.

ISSUE N°1

Rapid depletion of environmental resources and degradation of the forest, combined with growing urbanisation is threatening the future of many families in Ghana.

ISSUE N°2

Cooking on inefficient stoves or open fires requires huge amounts of charcoal, which results in a decrease of forest land and a rise in CO₂ emissions. Additionally, there are many health issues related to cooking on inefficient stoves.

GHANA

238 540 km²

68% Agriculture

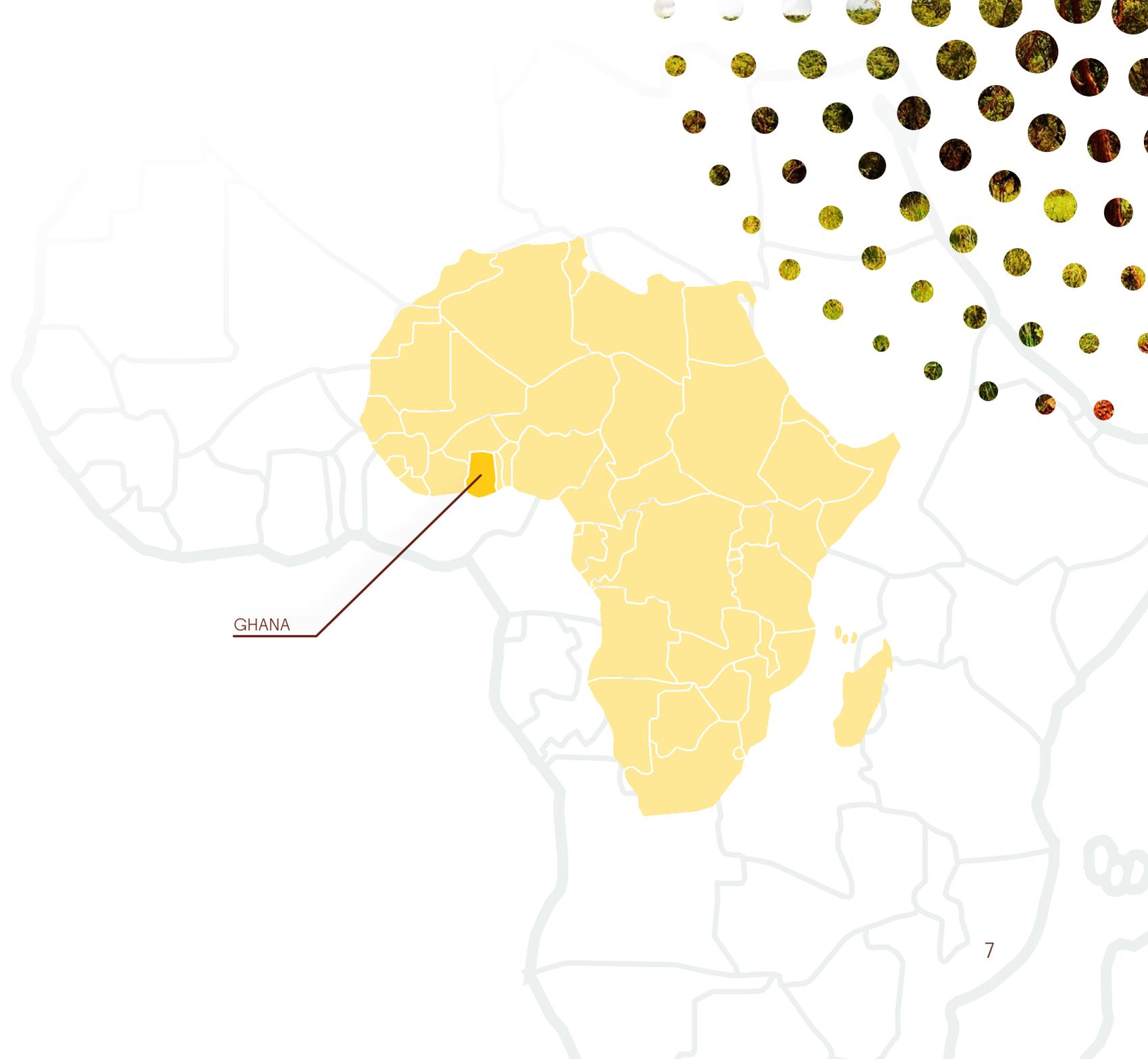
4% Water

20% Forest

8% Other



A simple but brilliant solution to these issues can be found with the implementation of a safe and fuel-efficient cookstove called gyapa.







REDUCING CO₂ EMISSIONS

Gyapa cookstoves are efficient which means that people use less charcoal and fuel to prepare daily meals. 1 cookstove can save more than 12kg of wood per day and 44 trees a year, which results in less harmful greenhouse gas emissions.



CREATING EMPLOYMENT

The Gyapa project value chain supports the local industry and development. It is increasing access to the cookstoves for new customers and ensuring business opportunities for producers and distributors.



IMPROVE LIVELIHOODS

The use of less charcoal makes these cookstoves safer, healthier and saves money for families. Women also experience a huge time gain that can be used on income-generating activities.

REDUCING CO₂ EMISSIONS

USING CHARCOAL AS COOKING FUEL
IMPACTS FAMILIES AND THE ENVIRONMENT

13 CLIMATE ACTION



HOW GYAPA COOKSTOVES BRING A SOLUTION ?

The Gyapa cookstove contains a ceramic liner for heat absorption and retention.

The stove technology reduces the amount of charcoal needed for cooking by up to 50%.

People buy less charcoal and save money.

Cooking is faster, easier, better and safer.

CO₂ emissions are reduced.





CREATING EMPLOYMENT

RESPONSIBLE CONSUMPTION LEADS TO NATURE PRESERVATION

CREATING INCOME-GENERATING PATHWAYS AND OPPORTUNITIES FOR VULNERABLE COMMUNITIES:

The proposed cookstove project has a supply chain that is completely situated in Ghana. This includes the manufacturers, the distribution, the retailing and maintenance. This market-based approach to sustainable development generates the most benefits, has the lowest climate impact and provides a long term solution. We help small manufactures in setting up their gyapa business to create quality jobs, increase productivity and create market opportunities.

8 DECENT WORK AND ECONOMIC GROWTH



♥ IMPROVE LIVELIHOOD AND EMPLOYMENT

GHANAIS EXPERIENCE BETTER LIVELIHOOD AND HIGHER EMPLOYMENT RATES

THIS ETHICAL INVESTMENT IS MORE THAN CARBON CREDITS. THE ENTIRE SUPPLY CHAIN OF PRODUCTION BENEFITS THE PEOPLE OF GHANA.

With less charcoal needed, families save a lot of money on their household budget. Thanks to the cookstoves, women, who are usually responsible for the cooking, now experience a time gain. This allows them to invest in new income-generating activities and to spend time with family.

Another huge advantage of more efficient cookstoves are the health benefits. Users experience fewer respiratory issues and decreased red eye infections. Children are exceptionally vulnerable to respiratory diseases, which in many cases, can even be fatal.





IMPACTS OF THE PROJECTS



The Gold Standard certification body checks the impact of the project throughout its lifespan, in terms of greenhouse gas emission reduction and also several other benefits. In order to do so, a lot of data has to be collected on the spot, such as the amount of hectares protected under this new land management, the amount of cookstoves distributed, the hectares of forests saved, the amount of people affected, 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 positive outcomes for the local population, all in line with the United Nations Sustainable Development Goals.



THE PARTNERS

WE WORK TOGETHER.



PROJECT MANAGER

Relief International is a humanitarian non-profit agency that provides emergency relief, economic rehabilitation, development assistance, and program services to vulnerable communities worldwide.



PROJECT PARTNER

CO2logic is an international & independent consultancy office specialized in calculating, reducing, and offsetting CO₂ emissions. CO2logic cultivates climate protection projects in developing countries around the world.





CLIMATE IMPROVEMENT



Generating carbon credits



Reduction of carbon emissions



Fewer forests burned



Leading to less deforestation



Limitation of soil erosion



Preservation of biodiversity



NATURE PRESERVATION



ETHICAL BUSINESS



The whole value chain benefits



Opportunities for local entrepreneurs



Families save time and money



Reduction of household air pollution



Reduces the risk of burns



No toxic particles of burnt charcoal



BETTER LIFE CONDITIONS



3 GOOD HEALTH AND WELL-BEING

1 NO POVERTY



CLIMATE

ECONOMY

PRESERVATION

HEALTH





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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