



This „Gyapa Improved Cook Stoves in Ghana“ project replaces inefficient charcoal cookstoves with energy efficient cookstoves, called „Gyapa“. The initiative involves the manufacturing process as well as distribution activities.

Many families in Ghana still use traditional and inefficient cooking stoves or open fires to prepare meals. By using the efficient Gyapa stoves, less charcoal is needed which leads to a reduction of greenhouse gas emissions.

#### The Project:

The project was initially launched in two regions of Ghana and has now expanded throughout the country. It is implemented by Relief International (RI) in cooperation with a local organisation. The cookstoves are made with a ceramic liner that improves the energy efficiency through retaining the heat. Tests have shown that the Gyapa stoves have a fuel efficiency of about 30%, in comparison to approximately 10-15% for the traditional charcoal stoves. In many Ghanaian families charcoal is the predominant cooking fuel. This means that by using the Gyapa stoves, families need to buy less charcoal and will therefore save money.

#### The Benefit:

In addition to the pure climate protection effect, the project contributes to the achievement of the Sustainable Development Goals (SDGs). The 17 SDGs developed by the United Nations consider all three dimensions of sustainable development: economic, social and environmental influences. The project will reduce greenhouse gas emissions through the distribution of energy efficient Gyapa cookstoves in Ghana. Since the production of charcoal requires much wood, there will also be a contribution to forest protection. In addition, the project can improve the indoor air quality, because the amount of smoke and particulate matter will be reduced by using the new cookstoves compared to the traditional stoves.



#### Portfolio

Community

#### Project Standard

**Gold Standard**<sup>®</sup>

Climate Security & Sustainable Development

#### Emission Reduction

Approx. 167,000 t CO<sub>2</sub>e p.a.

#### Project Status

VER, certified

#### Project Location

Ghana

#### Sustainable Development Goals

