

Efficient Cookstoves, Ghana

Key facts:

- Health and livelihoods | Clean cooking project
- Reduces 130,000+ tCO₂e per year
- Supports 7 of the 17 UN SDGs
- Verified under Clean Development Mechanism (CDM)



1 NO POVERTY



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



8 DECENT WORK AND ECONOMIC GROWTH



13 CLIMATE ACTION



15 LIFE ON LAND



Challenge

Nearly 3 billion people globally lack access to clean cooking. In Ghana, most of the population burns charcoal for cooking fuel. Inefficient cooking methods cause millions of premature deaths every year from toxic smoke and charcoal demand puts deforestation pressure on Ghana's forests.

Solution

This project introduces efficient charcoal cookstoves in Ghana and Kenya, which consume significantly less fuel than traditional charcoal stoves. These affordable and safer cookstoves reduce emissions and alleviate pressure on forests. A public educational campaign was conducted to raise awareness of their benefits in Sub-Saharan Africa.

Impact

The project improves indoor air quality, decreasing respiratory disease risks, and reduces deforestation. It also boosts local employment and cuts fuel costs for families while enhancing access to clean cooking with efficient stoves. The project promotes self-reliance and sustainability by building local capacity and advocating for locally made energy-efficient technology.

