

SUPPLY CHAIN INVESTMENT WITH CLIMATECARE

BUILDING RESILIENCE IN YOUR SUPPLY CHAIN

Changing consumer tastes and population growth are driving demand for food from across the globe. Climate change and social issues are putting pressure on existing supply chains and so businesses are increasingly looking to build resilience – to ensure the future supply of goods and to enhance the livelihoods of people working in them.

As well as the ethical and economic reasons for action, demand from consumers for transparency around where food comes from and how it is produced means it is also possible to add value through engaging staff and customers with stories about sharing value within your supply chain.

ABOUT CLIMATECARE

Since its formation 18 years ago, ClimateCare has specialised in projects that protect the environment, improve people's lives and deliver measurable return on investment, recently winning the Queen's Award for Enterprise for our outstanding contributions to tackling climate change and alleviating poverty.

THE CLIMATE+CARE APPROACH

Our integrated Climate+Care approach makes simple business sense. You can invest in activities that create multiple benefits for the local community, the planet and ultimately your business.

INVESTING IN INSETTING

There is an increasing case for investing in projects within your sphere of influence and in particular into what are now called 'insetting' projects – that reduce carbon within your supply chain. In our experience, projects like these turn a cost centre – paying to deliver CSR and carbon outcomes – into a valuable investment that can bolster supply chain resilience, help to future-proof a business, and deliver positive impacts for communities that the business relies on.

Our award winning project team in Nairobi works with international corporations, governments and NGOs, developing and delivering projects within supply chain communities.

- ✓ **Cost effectively build resilience**, improve health, generate wealth and increase productivity.
- ✓ **Demonstrate commitment to communities** and transparency within your supply chain.
- ✓ **Engage staff and customers** with business relevant CSR and supply chain activity.
- ✓ **Reduce carbon emissions** and protect the environment.
- ✓ **Demonstrate cutting edge CSR** and best practice.
- ✓ **Are endorsed and supported by local community representatives** and government officials.

CASE STUDY

Using funding from UKAID, ClimateCare has developed an award winning project that is creating new market for ethanol fuel with Kenya's sugar industry.



The project supports distribution of clean burning ethanol cookers to communities that need them – making them affordable through an innovative revolving fund mechanism that has potential to scale across Africa and beyond.



Clean cookstoves cut carbon emissions and save lives - over 11,000 people die every day from cooking on rudimentary stoves and open fires.

There is potential for the sugar industry to implement this type of project within their own supply chain communities – cost effectively tackling climate change, improving community health at scale, whilst also building a market for ethanol.

Talk to the ClimateCare team to find out how your business can benefit
+44 (0)1865 591000

Printed on 100% recycled card

CONTACT CLIMATECARE
BUSINESS@CLIMATECARE.ORG | +44 (0)1865 591000



CLIMATECARE SUPPLY CHAIN CASE STUDY

USING ETHANOL TO CUT CARBON AND IMPROVE HEALTH IN KENYA

ClimateCare is using an innovative Revolving Fund model to create a new market for clean burning ethanol cookers in Kenya, helping the community to leapfrog traditional development pathways, improving health and tackling climate change.

THE ISSUE

In Kenya, 68% of household energy comes from wood and charcoal, burnt on open fires and inefficient stoves. In urban areas kerosene is also used as a cooking fuel. These cause air pollution and contribute to climate change.

Ethanol fuel, a bi-product of Kenya's sugar manufacturing industry, is a clean burning, renewable fuel that cuts out indoor air pollution, saving lives. Whilst production of ethanol fuel might seem an obvious solution to household energy needs, ethanol cookers are out of reach financially for many families. As a consequence, there is limited accessibility of cookers and no distribution network for fuel.

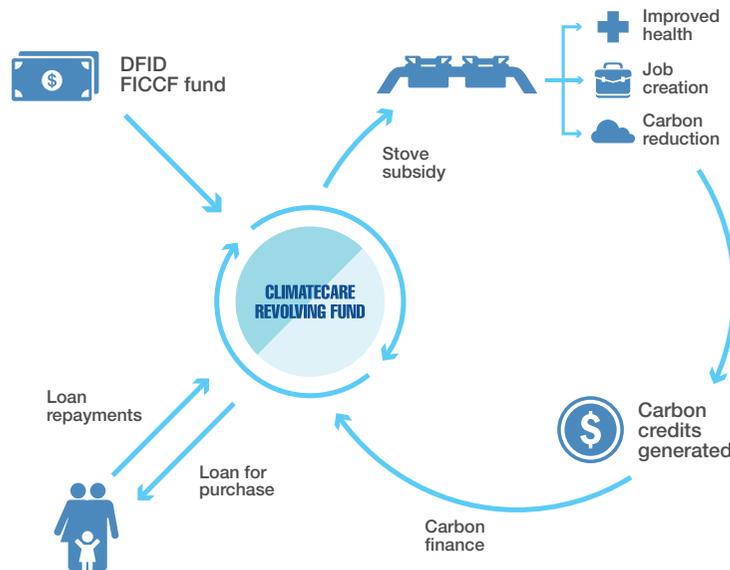
THE PILOT

ClimateCare has developed innovative financing streams for sustainable development for more than a decade and set out to kick start the market for ethanol cookers and fuel. This meant selling cookers and ethanol fuel in tandem, creating distribution channels and marketing and selling the concept on the ground.

ClimateCare selected Safi International as a partner for the initial pilot project and identified Kibera as the ideal location. Arranging funding from DFID, ClimateCare developed a financial model to subsidise initial stove costs and provide interest free loans through a Revolving Fund.

CLIMATECARE'S REVOLVING FUND MODEL

The Revolving Fund was initiated using donor finance from UK AID. The fund is used to subsidise the price of ethanol stoves, making them affordable to communities. Sales of carbon credits top up the element of the fund that is reduced by providing the initial stove subsidy, allowing the fund to reach more and more people, and the project to grow.



THE IMPACT

The project has created numerous positive social and economic outcomes for the residents of Kibera including:

Job Creation

The distribution chain for ethanol fuel and cookers **creates jobs** for residents of Kibera.



Improved Health

The initial project will improve the health of over **8,000 families** in Kibera.



Empowering Women

Stoves cook cleaner and quicker **reducing illness** and freeing up time for work and study.



Tackling Climate Change

One ethanol stove **saves 5 tonnes of CO₂** per year which helps to tackle climate change.



Slowing Deforestation

The stoves use ethanol fuel which **reduces the demand for wood** and protects forests.



Resource Efficiency

Waste from the sugar industry is turned into fuel **creating value** along the supply chain.



To replicate or expand this award winning project, contact our team: **+44(0)1865 591000**

Printed on 100% recycled card