

Background to the Cameroon sustainable Solar Ovens Program

The Cameroon Sustainable Sun Bakeries Program will establish, equip, train and implement self-sustaining bakery enterprises. Each bakery will employ 7-10 women to prepare, bake, sell, and deliver goods baked in a solar powered oven. Each sustainable sun bakery will fill the need for fresh, locally prepared bread and other goods.

Objectives:

- 1. To introduce the environmentally** friendly concept of solar cooking as one of renewable energy sources. This will reduce greenhouse gas emissions from using firewood and charcoal cooking and protect biodiversity of forests.
- 2. TO Empower rural women** by helping them to start their own business and create employment opportunities
- 3. To test financial sustainability of a renewable** technology, by saving the proceeds from sales and reinvesting in new equipment.

Benefits:

1. Environmental Benefits

More than 90% of Cameroon's total energy consumption is derived from biomass. The use of an oven powered by the sun allows for enormous volumes of baked goods to be prepared without further damaging the already fragile environment. The bakery is expected to eliminate 277.5 tons CO₂. It also makes substantial cuts in firewood consumption and encroachment into protected forest areas.

2. Economic Benefits

It will open up a new source of income for poor Cameroonian women who derive little income from the sale of agricultural crops etc.



Solar Oven



Cake baked



Oven Team in Nguti

3. Social Benefits

The project would equally improve health conditions as smoke from firewood is unhealthy and causes respiratory infections and dizziness.

Programme Sponsors: WISIONS/Wuppertal Institute for Climate, Environment and Energy – Doeppersberg; through CSCP GERMANY.