

EU Partner

Concern Universal
Malawi

Facts and Figures

- EC contribution: € 1.8 million (75% of the estimated total budget)
- Duration: 2007 - 2012
- Primary schools with solar systems benefiting over 14,520 students and 172 teachers
- Student enrolment has increased by 8%
- Teachers' enrolment has increased by 25%
- Over 3,500,000 trees planted with 66% survival rate



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Environment

Msamala Sustainable Energy Project in Malawi

Better access and use of energy with Solar PV, tree planting, and energy efficient stoves

My wife and I used to cook on a three stone open fire but now we are using portable clay stove (Chitetezo mbaula) which is safe, produces less smoke and is energy efficient. In addition, my involvement in production of stoves as a business brings daily income to my family. I also have trees planted around my house to have easy access to firewood

Daniel Ganizani, Member of Stove Production Group from Kapuku Village



Context

In Balaka District, 321 rural communities of poor subsistence-farming households don't have access neither use their available resources of energy (firewood) in a sustainable way such that forest cover has diminished by 85%.

Objectives

- Improved, sustainable access to and use of energy in TA Msamala like: Establishment of solar PV systems in schools; Adoption of institutional stoves in health facilities; Adoption of efficient stoves in households.
- Establishing school environmental and energy management clubs to support environmental and energy issues.
- Plant trees to reforest and replenish wood sources.

Impact

- 15 150 portable ceramic clay stoves adopted by households; 94 institutional stoves (Esperanza stoves) installed in 8 health facilities. Consumption of firewood reduced by 39%.
- Students in 92 primary schools are actively involved in afforestation and environmental management activities by creating school woodlots and awareness raising.
- 20 rural primary schools have been installed with solar systems.
- Over 440 hectares of village forest areas have been conserved. Woodlots established in health facilities, schools and in communities, have already started providing fuel wood, poles, and safeguarding structures against windstorms.

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"There has been significant improvement in the quality of life for me, my family and my customers thanks to this micro-solar power technology I sell. I am proud to be part of my community's change from harmful ways of lighting and cooking to sustainable ones" said Hamilton Macheso of M'mola Village, STA Chanthunya, Balaka on his experiences as a technology promoter and seller.

"I would not have accepted to come to this school if it had no electricity and neither will I accept to be posted to a school without electricity," said Mr Tanganyika, Head Teacher of Mthumba Primary School, in Balaka District on how he has been motivated by solar electricity installed at his school.



The Headmaster at Mtsimuke Primary Schools, Mr Mwangaka monitoring phone charging at his school.