



## Annual Report 2024

**'Clean cooking' in Africa was one of the main focuses of the Climate Change Conference (COP29) in Baku**



EG-Solar cooker in Mali

Image <https://african.business/2024/11/economy/clean-cooking-in-africa-takes-centre-stage-at-cop29>

The lack of access to clean cooking facilities is a major crisis in Africa, affecting over a billion people across the continent. Around four-fifths of sub-Saharan Africa's population rely on traditional biomass fuels, a practice with serious health, environmental and economic hazard.

'It is unacceptable that women are still dying because they have no access to clean cooking facilities,' said Vice President Philip Mpango from Tanzania

### 25 solar cookers for families in the Mwanza region

SK14 and wood-saving stoves are to be tested in a pilot project as part of a larger church partnership project for climate protection in the Mwanza region of Tanzania. An evaluation is to take place after 2 years.



Presentation of the solar cooker on the church square

Families in three villages south of Lake Victoria were selected. We forwarded the order for the production of the 25 SK14 and the wood-saving stoves to the [VTC in Dareda](#).



The aluminium pots are spray-painted with fireproof paint.

The delivery to Mwanza, a day's journey away, took place at the end of June.



Explanation of how the SK14 works

The VTC Dareda training workshop is welcoming every new order for solar cookers and wood-burning stoves.

### Evaluation of 100 SK14 in Khost/Afghanistan

In autumn 2024, a team visited all 100 families who had received a solar cooker manufactured in Khost at the beginning of 2021. They wanted to get an idea of the condition of the cookers after more than 3 years of use. Of course, it is interesting for us to find out what they are used for and how often they are used for cooking.

Results of the survey:

The user families are very large by our standards, with between 8 and 21 family members. Due to its size, our SK14 is powerful enough to cook food for a large family when the sun is shining.

### Condition of the solar cooker

Of the 100 SK14s, 46 were in very good condition and 38 were in good condition. 5 cookers were fully destroyed in a storm and 6 were sold to other families.



The solar cookers are used to cook daily meals and to boil milk and water.



The people in the region are well aware of the advantages of solar cooking but are currently unable to finance the full purchase price of around €150. State development aid is no longer provided for Afghanistan, so we ask you to support us with donations so that we can subsidise more solar cookers. By the way: the local Taliban representatives are behind the project but have no means to finance it.

### Spain - Burundi

At the beginning of May, I attended a solar cooker construction course at [Instituto de Educación Secundaria \(IES\) La Merced](#) in Valladolid/Spain. A total of 11 teachers used the time after school to learn all about the production of components, assembly and handling of our **parabolic solar cookers SK14**. The project is funded by ERASMUS+, a European programme for schools.



The organisation team with the assembled SK14

In the summer, a team from the school travelled to Burundi with various solar cooker models in their luggage to present environmentally friendly solar cooking to 3 partner schools.



Setting up solar cookers in the schoolyard

Our SK14 seems to have convinced those responsible at the schools due to its performance, handling and ease of manufacture in the training workshops. (Almost all other models are industrial products that are difficult to manufacture).

In the meantime, 24 sets of reflector sheets have been sent to Burundi via Spain and production can begin.

Hans Michlbauer, EG-Solar e.V. 12.2024

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