

# LA CUISINE SOLAIRE

ADES Association  
pour le Développement  
de l'Energie Solaire  
Suisse - Madagascar



## ADES from 2001 to 2012

ADES started its solar cooking program in Madagascar in 2001 with a small carpentry shop under a party tent, two motivated carpenters and an instructress. To-day we operate six centres with manufacturing facilities, a new sales point in Antananarivo, the capital and a coordination centre in Tuléar. ADES actually employs 85 persons and additionally created about 50 jobs in external enterprises. On average a family of 20 people is living off the salary of one employee. ADES is a socially sustainable employer. All the children of our employees go to school at our expense and the families are covered by health insurance. For each solar cooker sold we have two trees planted in a reforestation project in Madagascar.

National coordination centre	
Training centre	New production centre



Wood working shop



Metal working shop



## Products

ADES is continuously developing new solar and energy-saving cookers. Actually we are selling the so called box-type cookers, the big solar cookers for schools and the parabolic cookers. In 2 years we developed energy-saving cookers for the economical use of wood or charcoal. There are 3 different sizes available, for pots with diameters of 28, 45 and 60 cm, the largest type aimed primarily at schools, homes, hospitals etc. But our flagship model will be the solar cooker with integrated electric charger. Presumably this fall it will be ready for marketing and we hope that still in this year we will be able to sell about 300 units. With this special solar cooker you can cook food and at the same time solar panels mounted on the glass recharge a battery, to which you can connect various devices to recharge or operate, e.g. a lamp, a radio or a cellular phone. In a country where only about 6% of the population have access to electric power, this is an important improvement!



Box-type solar cooker



Parabolic type solar cooker



Box-type solar cooker with integrated electric charger



Big-box type unit for schools



Energy-saving cookers for wood (left) and charcoal



Energy-saving cookers for pot diameters of 28, 45 and 60 cm



This is the future product all made of material from Madagascar.

## Sales/Distribution

From every centre instructresses formed by ADES visit neighborhoods, villages or markets in the cities and present the cookers by organizing cooking demonstrations. For the energy-saving cookers we could already find a number of retailers. Our products are presented regularly in TV commercials and radio programs. In one region we even have one hour of radio time free of charge at our disposal every week.

Last year we could sell 6642 cookers (1460 of these were solar cookers). At the end of August 2012 we had already surpassed this number. This year we estimate to sell 10'000 units in total.



Demonstration cooking with a solar cooker



## Education

With various education programs of 2 to 6 days we educate and accompany the women who purchased a cooker, about the environment and cooking with solar power. We developed illustrated recipe booklets adapted also for illiterates. We train women, who will pass on their knowledge to others in their villages: this is called „femmes enseignant femmes“ (“women teaching women”).



Training of women



### Schooling program

Since 2011 ADES has been going to the schools with a teaching program for the education on the environment, consisting of 4 lessons. The teachers are educated partly within their vocational training, or directly in their classes together with the children. It goes without saying, that we also put didactic material at their disposal. Actually there is a pilot project going on in a village, where the big solar cookers for schools are being tested.



School program



## CO<sub>2</sub> emission certificate

We are a tax-exempt non-profit organization; as one of the first solar cooker project we have been registered at the Gold Standard Foundation ([www.cdmgoldstandard.org](http://www.cdmgoldstandard.org) - supported by our project partner, the climate protection organization "myclimate").

Every year ADES undergoes a strict monitoring by external experts. This is done locally by an independent certification organization.

In 2011 about 24'110 tons of CO<sub>2</sub> were compensated thanks to ADES.



## ADES organization

We are a Swiss association with a committee and about 50 volunteers here in Switzerland. All work without remuneration. The general manager, her assistant and a fund raiser are employed part-time, together sharing two full-time jobs. The raising of funds is a great part of our work in Switzerland. This year we have a budget of CHF 1.4 Mio. Due to the worldwide financial crisis we have great difficulties to reach this target.

(Translation from German: Hans Wiedemar)

For more information:

### ADES

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