



African Millennium Foundation

EMPOWERING WOMEN AND CHILDREN THROUGHOUT THE CONTINENT



The Apron Project

A Solar Oven Microcredit Initiative



The Apron Project- saving time and resources





The Apron Project- reducing carbon emissions





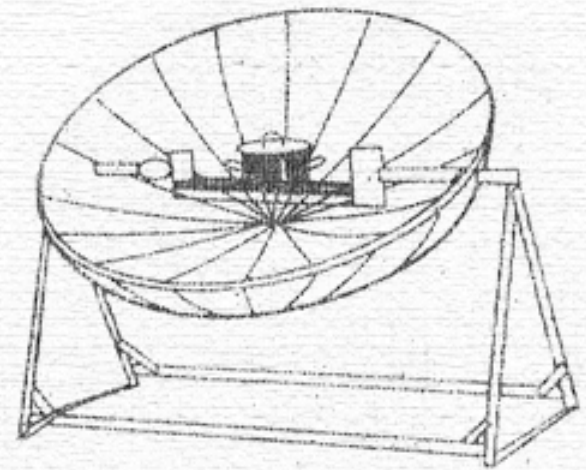
The Apron Project

Creating educational and economic opportunities





The Apron Project





The Apron Project

Grassroots Partner: Reencontro



In partnership with Mozambican local NGO, Reencontro, AMF will establish the pilot Apron Project



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Apron Project Beneficiaries



Working with Reencontro, AMF selected a group of 10 caregivers that currently assist the organization in caring for children orphaned by AIDS throughout Mozambique.



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Pilot Group



AMF project manager, Lacey Uhlemeyer, interviewed over 40 women in the Maputo and Gaza provinces to assess needs and probability of success within the communities



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Maputo Pilot Group



Upon analysis, the Maputo community was chosen as the pilot community for the first distribution of solar ovens



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Maputo Pilot Group



- Close proximity to Reencontro office and liaison, Olinda Mugabe
- Women have experience with microcredit businesses
 - Stronger confidence and interest in ovens
- After success of the program is proven with the pilot group, more women will become involved



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Maputo Beneficiaries



- Caregivers who work with Reencontro to care for children orphaned by AIDS
- HIV positive mothers who work in Reencontro's microcredit program



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Constancia Machava

- 47 years old
- No husband
 - He left for South Africa in 1984 and never returned
- Sells second hand clothes by going throughout the neighborhood on home to home visits
- She supports 2 children on \$2.70 a day
- The income from the project will allow her to finish her house, improve nutrition for her family, and allow the children to continue their education





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Emilia Magaia



- 36 years old
- Widow
- Sells firewood, charcoal, matches earning \$2.05 a day
- Supporting 5 children
 - Only 4 are able to attend school
- The income from the project will allow her to build a better house, send all her children to school with uniforms, and improve general living standards



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Lidia Matusse

- 46 years old
- Widow
- Supporting 6 children
 - All are in school
- Suffered from T.B. in 2003
- Sells peanuts in the market
- Makes around \$4 a day
- The income from the project will allow her to pay for school uniforms and offer more opportunities to her children





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Elsa Filimone

- 40 years old
 - Has a husband who does not work
 - Supporting 3 children
 - All are attending school
 - Sells carrots and tomatoes from her garden in the market
 - Income of \$5.25 a day
-
- The money from the project will help a lot with providing clothes, food, school fees, etc.





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Elsa Filimone

- She would like to use the solar cooker to bake cakes. Elsa used to have a small business of making cakes, she had to shut it down because of a lack of funds.

If give then chance with the cooker, she could again bake cakes and sell to a list of clients she has from her old business.





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Assa Belarmino



- 44 years old
- Widow
- Supporting 2 children
 - Not enough money to send both to school. Because of government restrictions, she has to send them to private institutions and can not afford the fees
- Living only off of the small income from Reencontro
- She is very interested in starting a small business and would like to use the solar cooker to bake cakes



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Eunice Bahule

- 35 years old
- Divorced
- Supporting her child and niece
- Sells small cookies from her home
- Lives on less than \$1 a day from small Reencontro salary
- Would like to use the solar oven to bake more cookies and also dry bay leaves
- The extra income would allow her to build a home for her family





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Otilia Costa

- Widow
- Sells bottles and charcoal in the market
- Cares for 7 families, a total of 15 children
- Has 4 children of her own
- She supports her family on \$3.25 a day
- Is interested in the small businesses she can start with the solar oven to help her family



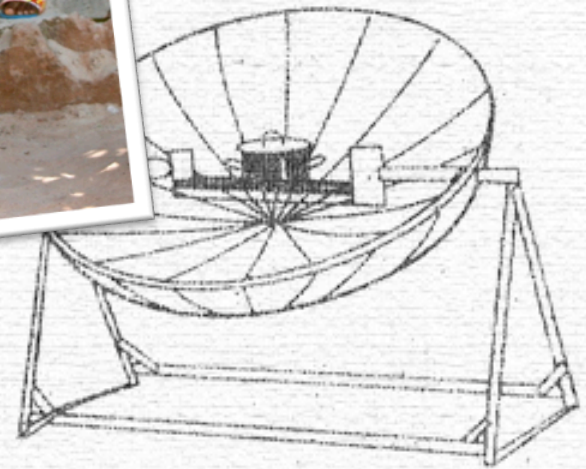
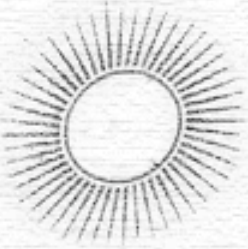


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Alice Basilio

- Single
- Supporting one child and her brother only from small monies from Reencontro
- Her and her baby are HIV positive
- Was operating a small phone business from her home through Reencontro's microcredit program until the phone was stolen
- Very interested in starting another small business to help her family



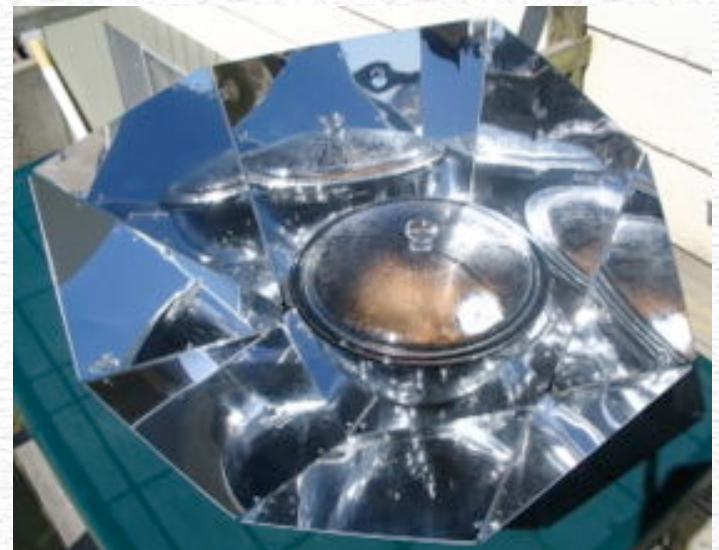


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Guinalda Manjate

- 28 years old
- Single
- Supporting one child
- Her and her baby are HIV positive
- Currently works with the Reencontro microcredit project and has found small success in selling fish
- Her income is around \$2 a day
- As a hard working entrepreneur, she is positive that using the cooker can better her life and create new opportunities





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Fall 2010



- The ovens will be distributed to the selected pilot group Fall 2010
- Professor Manisha Javeri and AMF staff will travel to Mozambique to train the Reencontro project partners and beneficiaries
 - Detailed training information will be delivered closer to the delivering of the ovens
- The pilot group will meet weekly as a group with Reencontro to discuss successes and failures with the ovens and micro-loans
- Trained Reencontro staff will remain in constant communication with AMF project manager Lacey Uhlemeyer to communicate project details



The Apron Project

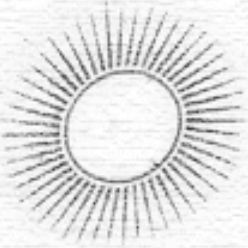
Expectations 2011



- Professor Manisha Javeri and qualified AMF staff will conduct on-site evaluations
 - At this time the effectiveness of the project to improve the quality of life for the women will be observed
 - Both qualitative and quantitative information will be gathered
- If proven effective, the project will expand to include more women in the Maputo and Xai-Xai district



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The Apron Project

Partnerships



AMF is building bridges to educate and inspire people with the possibilities of solar ovens.



The Apron Project Partnerships

Solar Household Energy & HotPot



Solar Household Energy (SHE), seeks to harness free enterprise to introduce solar cooking where it can improve quality of life and relieve stress on the environment. Working with private entities, governments, and NGOs, SHE designs and oversees training and distribution projects in Mexico, Central America and Africa.



Solar Household Energy, Inc.

Solar Cooking for Human Development and Environmental Relief



The Apron Project Partnerships

Solar Household Energy & the HotPot

Panel Cooker:

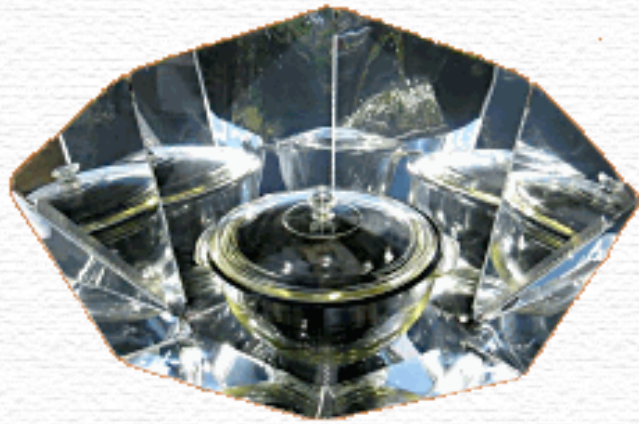
A Combination of the a box and parabolic cooker, the HotPot is portable and less expensive. Temperatures can reach around 250 degrees Fahrenheit.





The Apron Project Partnerships

Solar Household Energy & HotPot



Through field experience and research, SHE perceived the need for a mass-produced solar oven that was durable, efficient, easy-to-use, portable and commercially viable.

After years of research the HotPot design was completed in 2004. It evolved from the “panel” oven invented by Dr. Rogers Bernard and regined by Solar Cookers International.



Solar Household Energy, Inc.

Solar Cooking for Human Development and Environmental Relief



The Apron Project Partnerships

Gadhia Solar



Gadhia Solar

Clean, Affordable and Sustainable Energy

Through the efforts and engineering of Deepak and Shirin Gadhia, they have brought the largest solar cooking installation constructed to date, to Shirdi, India.



The Apron Project Partnerships

Gadhia Solar



Parabolic Cooker:

The sun's rays are captured in a reflector which focuses them at a point under a pot. The effect is like a stove top burner or a campfire. Temperatures can reach above 400 degrees Fahrenheit, hot enough to fry food.



Gadhia Solar

Clean, Affordable and Sustainable Energy



The Apron Project Sponsorship



Author Cornelia Funke, an active supporter of AMF, is very enthusiastic about the Apron Project. She has already donated \$5,000 to purchase ovens.



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Sonoma Academy



A team of students from Sonoma Academy have established an AMF group that will be fundraising for the Apron Project.



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The Jeanie C. Linders fund is a leading sponsor of the Apron Project.



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CLINTON GLOBAL INITIATIVE

The Apron Project, in partnership with Gadhia Solar, has been selected as a Commitment to the Clinton Global Initiative.



“Only the stone-hearted could fail to be inspired by the Clinton Global Initiative.”

Newsweek



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AMF looks forward to working together for the creation of a small business project where the women in Mozambique sew promotional aprons to be sold in the US.



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The Apron Project Budget

| Funding Sources | Amount |
|---|-----------------|
| Jenny C. Linders Fund | \$25,000 |
| Delta Kappa Gamma Society International | \$500 |
| Cornelia Funke | \$5,000 |
| David Andrele | \$800 |
| TOTAL | \$31,300 |

| Expenditures | Amount |
|--|-----------------|
| Personnel Travel (Flights/Room & Board) | \$24,050 |
| Solar Cookers (10 parabolic, 5 hotpots) | \$4,400 |
| Microcredit Loans | \$3,500 |
| Shipping/Other Direct Costs (Grant evaluation included) | \$13,200 |
| TOTAL | \$51,650 |

