Integrated Solar Cooking







- --If we are truly serious about dramatically reducing fuel consumption..
- ...solar cooking must be a part of the solution.
- --Solar cooking should be used whenever the sun is providing free energy.
- --To have the greatest impact we must all work together to promote integrated cooking in future projects.







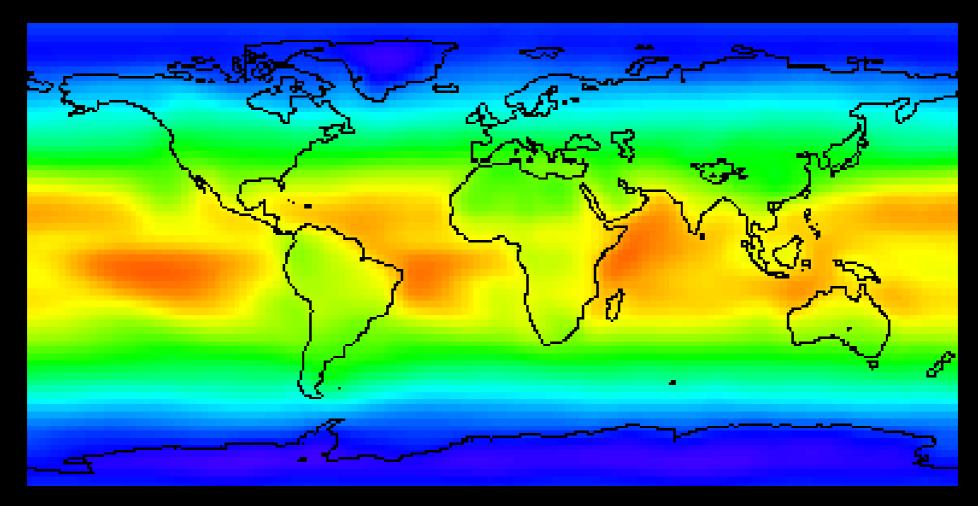






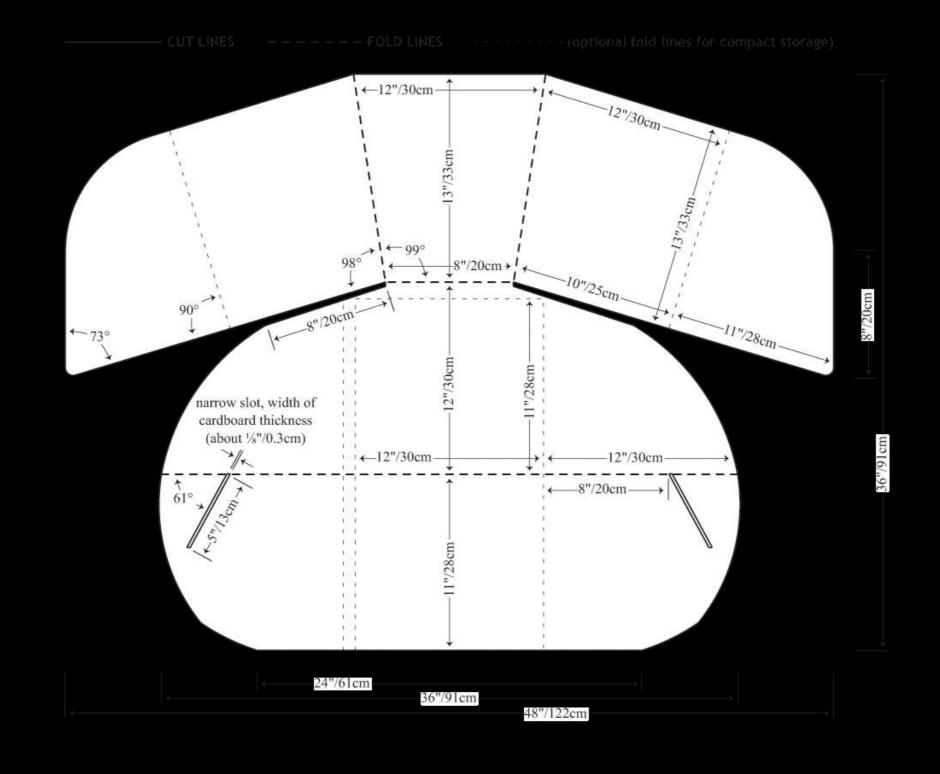
Iridimi Refugee Camp, Eastern Chad





NASA solar insolation map showing abundant sunshine 30 degrees north and south of the equator.







The "Cookit" panel solar cooker developed by Solar Cookers International of Sacramento, California.







Creating a Collaborative Alliance to Find a Solution

KoZon Foundation

Initial Vision, Organizational Model Seed Money

UNHCR

Transportation
Security
Consultation

Jewish World Watch

Community Education

Oversight

Financial Support

Tchad Solaire

Day-to-Day Management and Supervision

Solar Cookers International

Technical Development & Support



Two meals a day can be prepared using a hay basket and a Cookit.



Solar Cooker Project

Economic Development

Women are hired to:

- · Build solar cookers
- · Train women to solar cook
- Sew carrying bags
- Weave Warming Baskets





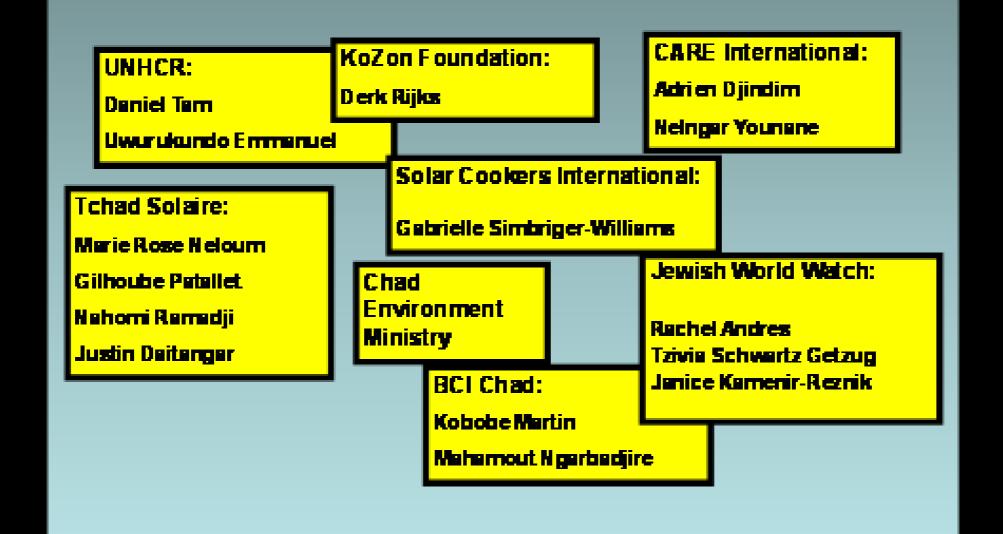




Eastern Chad: refugee camp populations Total number of registered refugees: 243,041 (as of April 2008)



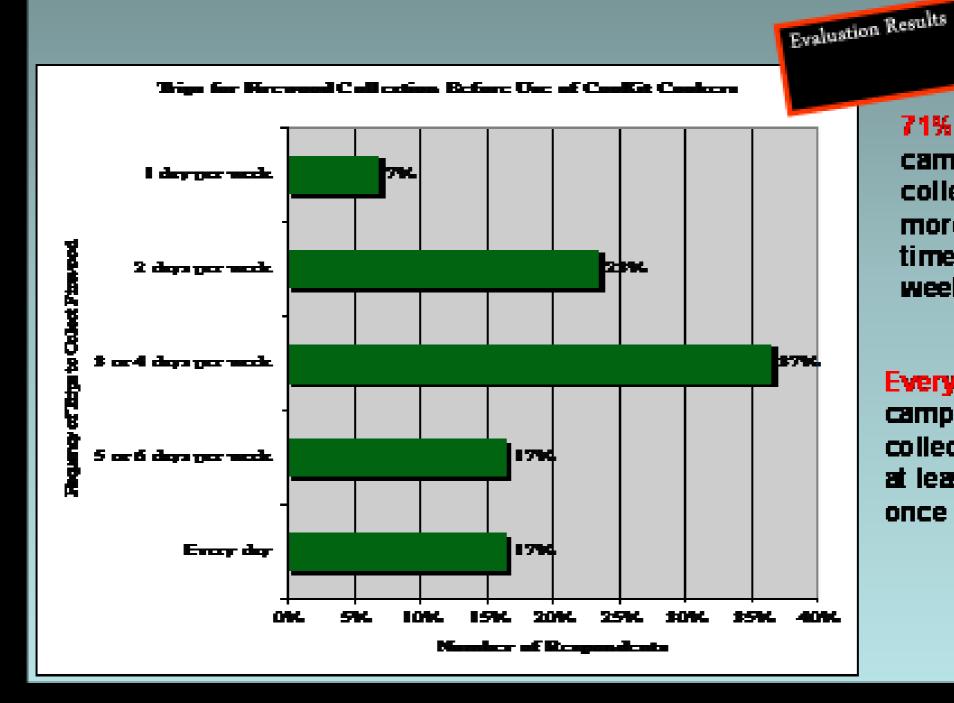
Evaluation Team







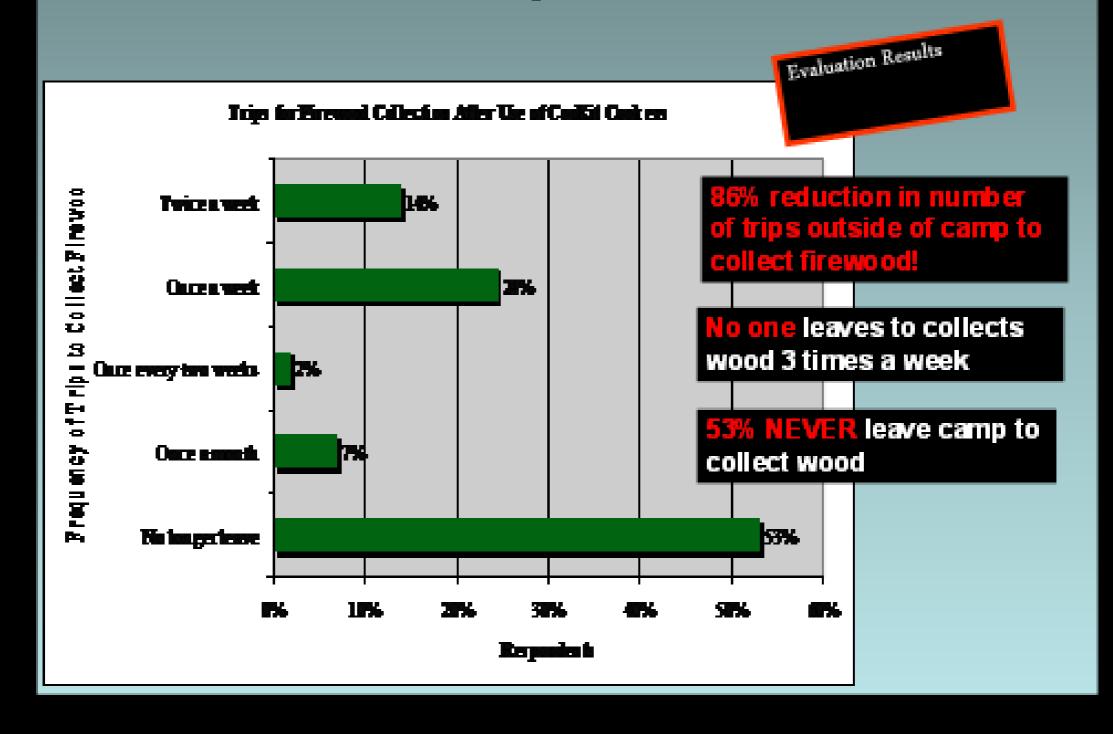
Trips Out Before Cookit



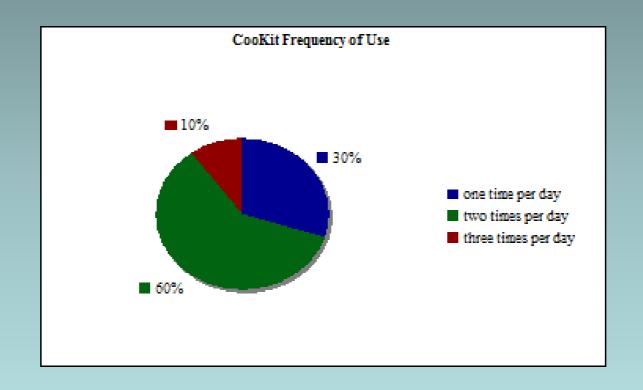
71% left camp to collect wood more than 3 times a week

Everyone left camp to collect wood at least once a week

Trips After Cookits



Frequency of Use







Sunny Solutions

What foods are solar cooked?



rice, macaroni, sweet potatoes, lentils, bouilli, tea, peas, grains, sauces





Solar Cooked Food















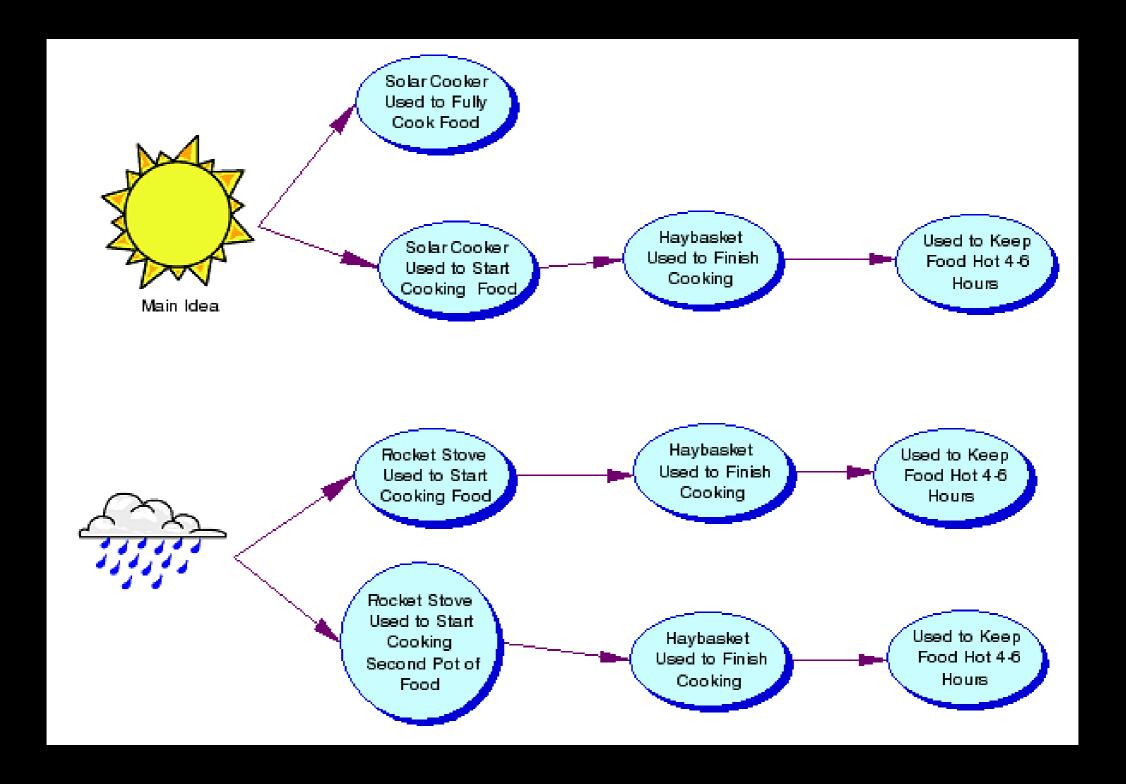
The last tree?







Integrated cooking









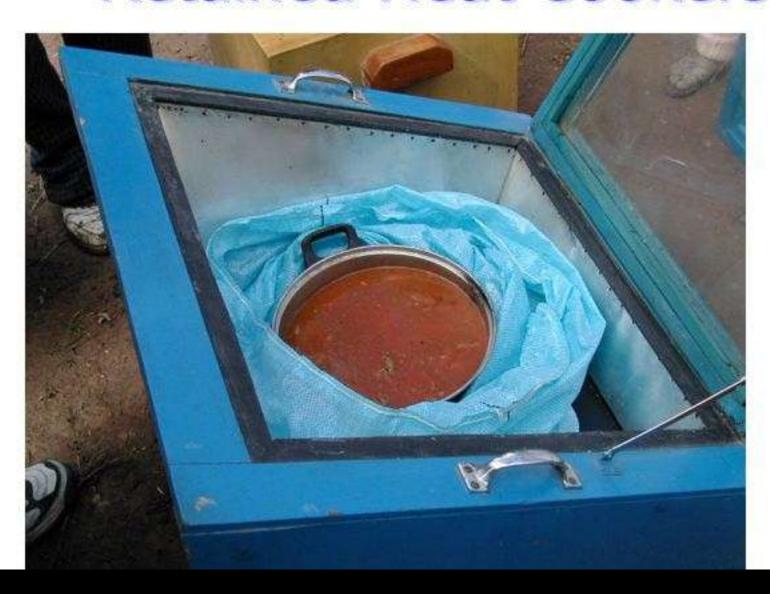


Cooking with Open Fire Health Risks



Source: World Health Organization & Solar Cookers International

Retained Heat Cookers











Large-scale, Scheffler, roof-top parabolic solar cooker system in India



Egypt's first solar kitchen at El Sherouk Farm near Alexandria.





Indoor solar cooking



Parabolic dish reflecting sunlight on an iron heat storage unit.





Tea shops can save wood by heating water with solar cookers





