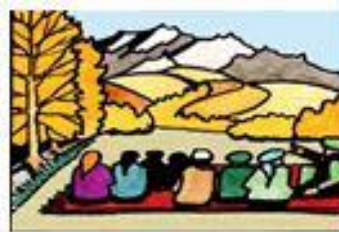


Conservation Organization for
Afghanistan Mountains Areas



سازمان تحفظ ساحات
کوهستانی افغانستان

Women and Natural Resources Project for Clean Cookstoves and protection of environment in the Koh-e Baba mountains



FINLAND EMBASSY

Linda Norgrove Foundation
www.lindanorgrove.org

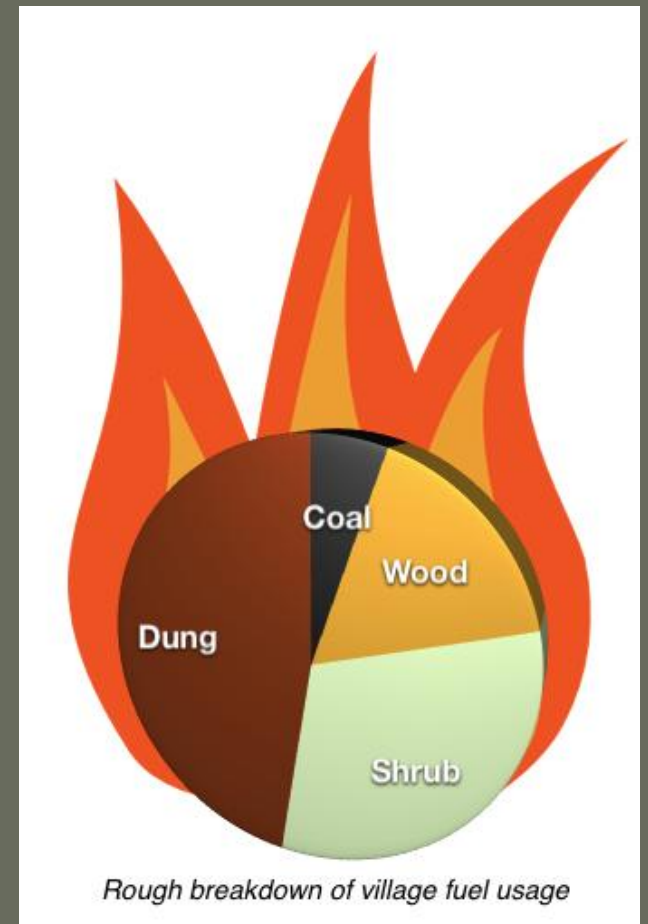
Objective

- Links between women, fuel and energy use in the home, and natural resources management as key to sustainable development and stability in Afghanistan
- Phase 1: Jan - May 2012 — Design & testing
- Phase 2: May — Dec 2012 — Distribution & training
- **Future:** Regional and National distribution of green energy.

What we have achieved

Phase 1

- 1) Understanding users needs
- 2) Design and testing
- 3) Manufacturing & training



Phase 2

- Stream line manufacturing & training
- Environmental education
- Distribution products to 6 villages
- Establishment of women's workgroups (community bakeries, briquette making, orchards)
- Reforestation

Village survey results

- #1 problem
smoke in the kitchen
- #2 cost of fuel

Traditional Tandoor

(bread oven) Smoke fills the room as
Women monitor the bread



The Designs

1. A tandoor – oven (named a *Sutra* meaning clean)
2. A bhukari- stove (named *Foladi*, meaning Iron/ strong)
3. Improved briquettes (cleaner burning fuel)
4. Solar water heater

The COAM Design Lab



The Bukhari

60% fuel saving

No smoke



“I love the multifunctionality of the Bukhari” -Fatima



Insulation panels (removable)



Tandoor

70% fuel saving, 90% reduction of smoke in the kitchen



Solar water heater

boils 10 lt. water in 25 min (summer) 1 hour (winter)
100% fuel saving



Briquettes (efficient fuel) and Briquette maker

Briquettes burn 30-60% more efficiently than wood



***PROTECT
CONNECT
SUPPORT***

With special thanks to
the Embassy of Finland
the Linda Norgrove Foundation
the Villagers of the Koh-e-Baba
UNEP

