



Modernization of rural and semi-rural household tortilla businesses with the Ecostove in Nicaragua

By: PROLEÑA/Nicaragua

Project Leader: *Rogério Carneiro de Miranda*

Goal: Subsidize 1/3 of the Ecostove cost to 1,000 women micro-entrepreneurs, improving their sanitary working conditions, their business profitability, while protecting the environment.

WHY THIS SPECIFIC PROJECT:

1. In Nicaragua too many women takes charge of the family financial responsibility, due the unemployment of the husband or even the ausency of one.
2. For many the only income choice is tortilla production, since it is a low skilled job, require very low capital for the investment, and can be made at home while supervising the family.
3. Their usual working conditions can be seen as unhumane by outsiders: long hours expose to heat and smoke from traditional woodstoves.
4. Improving their working conditions can be easily done by the simple introduction of the Ecostove.
5. The Ecostove is a new state of the art woodstove suitable for developing and underdeveloped countries households.

6. With the Ecostove project PROLEÑA aims to:

- reduce pressure over the natural forest with increased fuel efficiency from 8-12 to 20% (>50% fuel wood saving),
- near eliminate indoor air pollution (94%) and its negative health effects (Acute Respiratory Infections, Obstructive Pulmonary Diseases, tuberculosis, chronic bronchitis and low birth weight),
- minimize outdoor air pollution on the surrounding community (<50%) and reduce by 35% emissions of greenhouse gases,
- Increase business profitability for the hard working women
- Improve working conditions for the women
- Improve sanitary conditions for the food produced
- Improve women self-esteem and status in the household and in their community.
- Disseminate and promote the Ecostove concept among rural and peri-urban households in Nicaragua and Central America.

Nicaragua, 2001 socio-economical data (%):

Source: www.inec.gob.ni

	National	Urban	Rural
General poverty	74.8	70.0	81.5
(=< US\$ 1.0/day)			
Extreme poverty	44.4	38.1	53.1
(=< US\$ 0.5 /day)			

Fuelwood for household cooking:

National	Urban	Rural
60.0	38.2	92.2

Separated families:

	Separated	Widow(er)	Divorced
Men	3.6	2.0	0.3
Women	12.9	6.7	1.0

Children that live with one parent :

	Men	Women
Rural	2.0	16.4
Urban	3.1	28.9

women as self employed: 36.4

Households with a home business 47.0

production: 24.0 services: 36.0 commerce: 44.3

Women as head of the household:

Urban : 38.8 Rural: 19.3









































ECOFOGON





























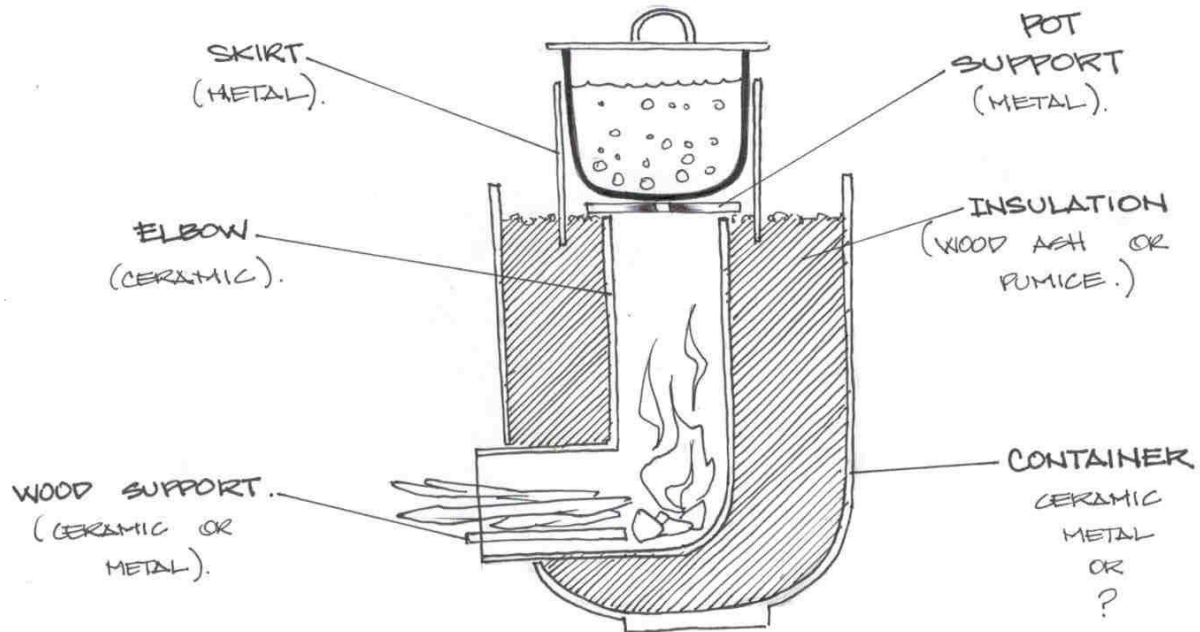
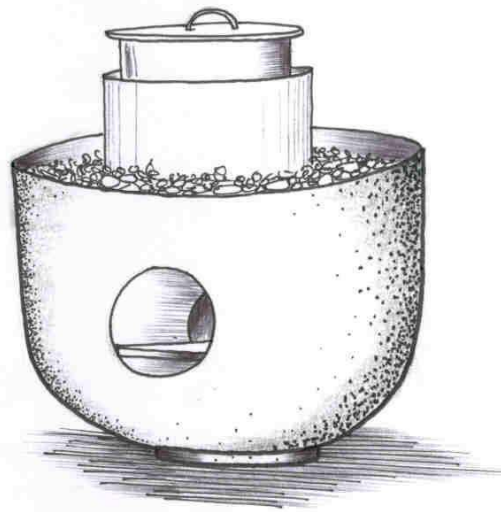


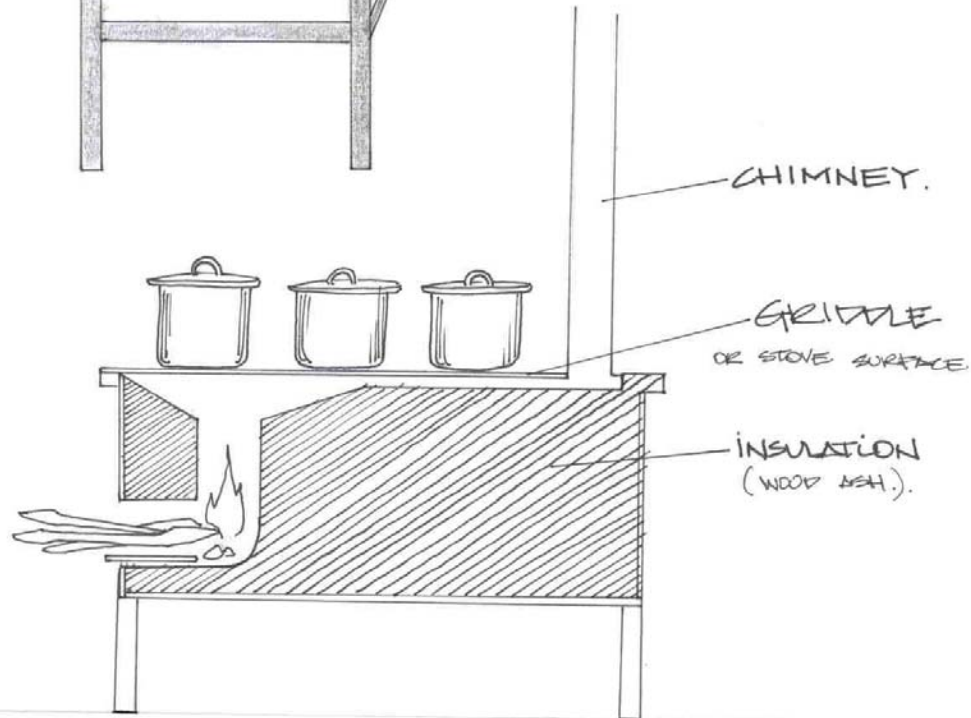
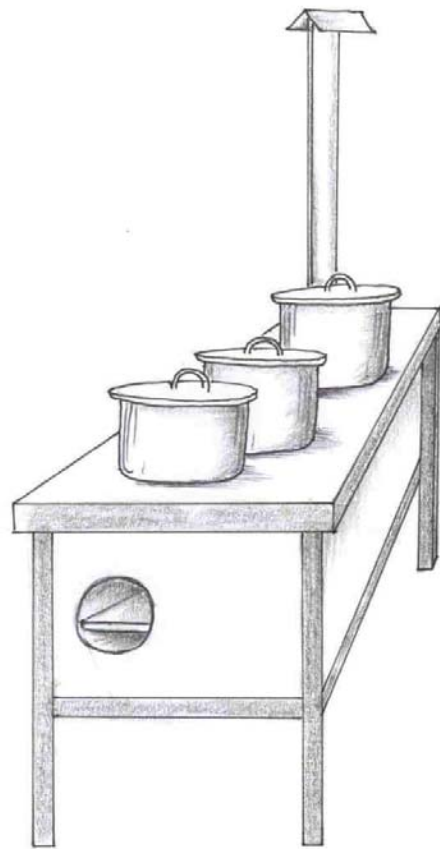


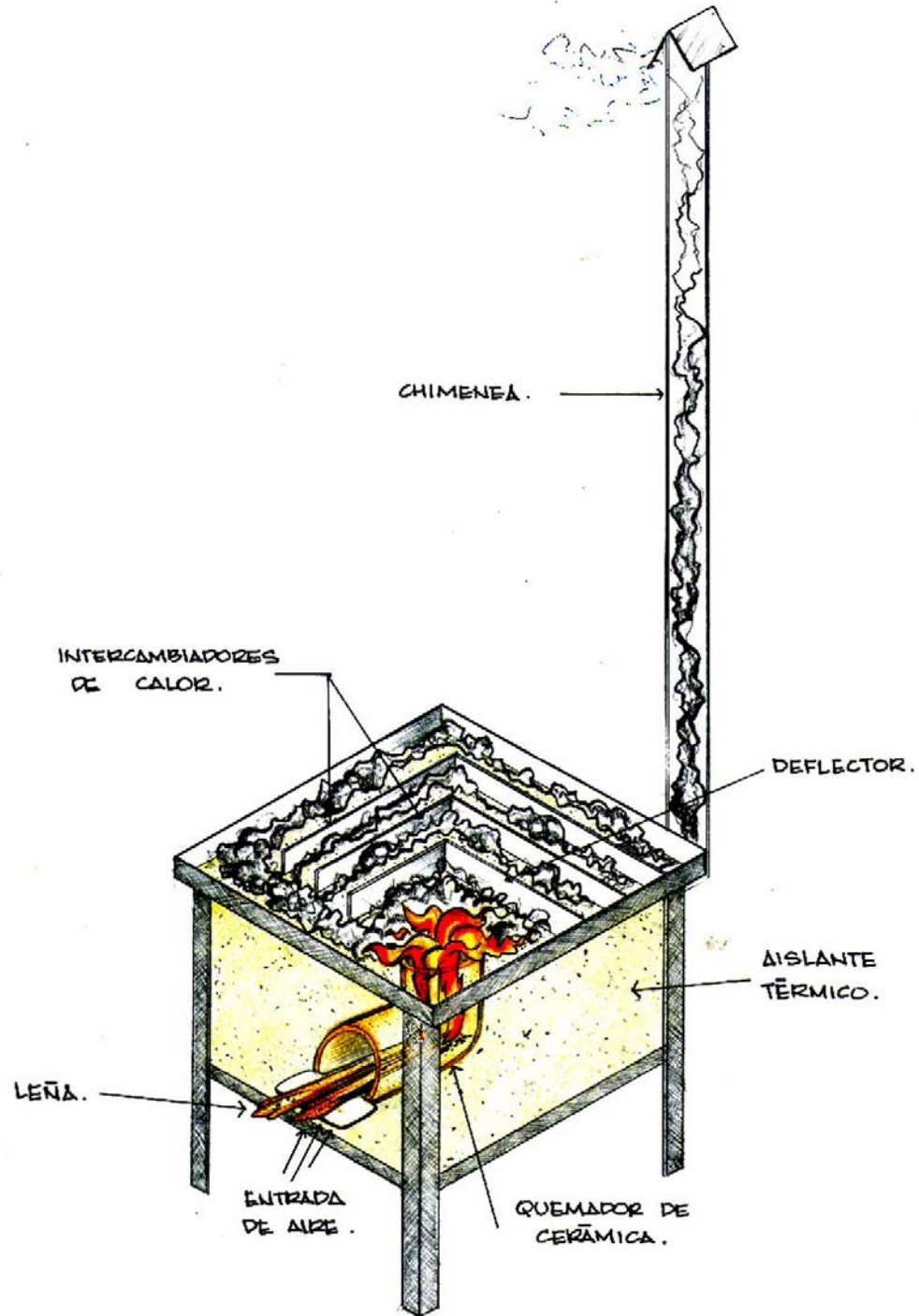


SE VENDE
TORTILLAS Y
CUAJADITAS















BIENES RAICES
REALTY
TODAY MESEZ
TELEFON 2487749

ECOFOGON
AHORRA 50% LEÑA
Y NO AHUMA SU CASA



COCINAS ECOFOGON

LA UNICA QUE NO AHUMA SU CASA
Y AHORRO EN 50% DE LEÑA
DE VENTA AQUI

Logo

DISEÑOS METÁLICOS

ECOFOGÓN
50% MENOS LENA
SIN HUMO NI HOLLIN

ALUOSA

COMPRE ALUOSA:
PORQUE ALUOSA ES PRESTIGIO, CALIDAD
ECONOMÍA, POCO LLAMA, PORQUE ALUOSA
NO NECESITA DE TANTA. T.L: 2894850









Buenos días
NICARAGUA

12

GRANDUNG



SAMSUNG

ESTEREO

NET TV



PROBLEMATICA
NACIONAL





ECOLOGICÓN

**AHORRA 50% LEÑA
Y NO AHUMAS TU CASA**





DO SEÑOR PRESIDENTE

ECOFOGON
El Único que no ahuma su casa
y ahorra 50% de leña
tecnología de leña











ARRANCA LA REPOSICION FORESTAL EN LA PAZ CENTRO
LA INDUSTRIA DE LADRILLOS Y TEJAS FOMENTA LA REFORESTACION, ENERGETICA
Y DE CONSERVACION AMBIENTAL ENTRE PRODUCTORES RURALES DEL MUNICIPIO
PARTICIPE USTED TAMBIEN
INICIATIVA DE:
**ASOCIACION DE REPOSICION FORESTAL DE LOS TEJAREROS DE LA PAZ
CENTRO (TEL. 0314-2233)**

APOYO DE:
PROLEÑA
COMISION NACIONAL DE ENERGIA - CNE
PRO-ARCA / CAPAS / USAID
ALCALDIA LA PAZ CENTRO
AGENCIA BRASILENA DE COOPERACION - ABC























