

# SCALING COOKSTOVE INNOVATION

## Through Public-Private Partnership



 ENVIROFIT®

*Making the world fit for humanity*

# THE CHALLENGE: Addressing the Global Need for Efficient Cookstoves

Walks 14 Kilometers every 2 days to collect firewood

Spends 35% of her income on cooking fuel

Uses up to 10 Kilograms of wood to cook over a fire each day

Occupies most of the day in a smoke filled kitchen

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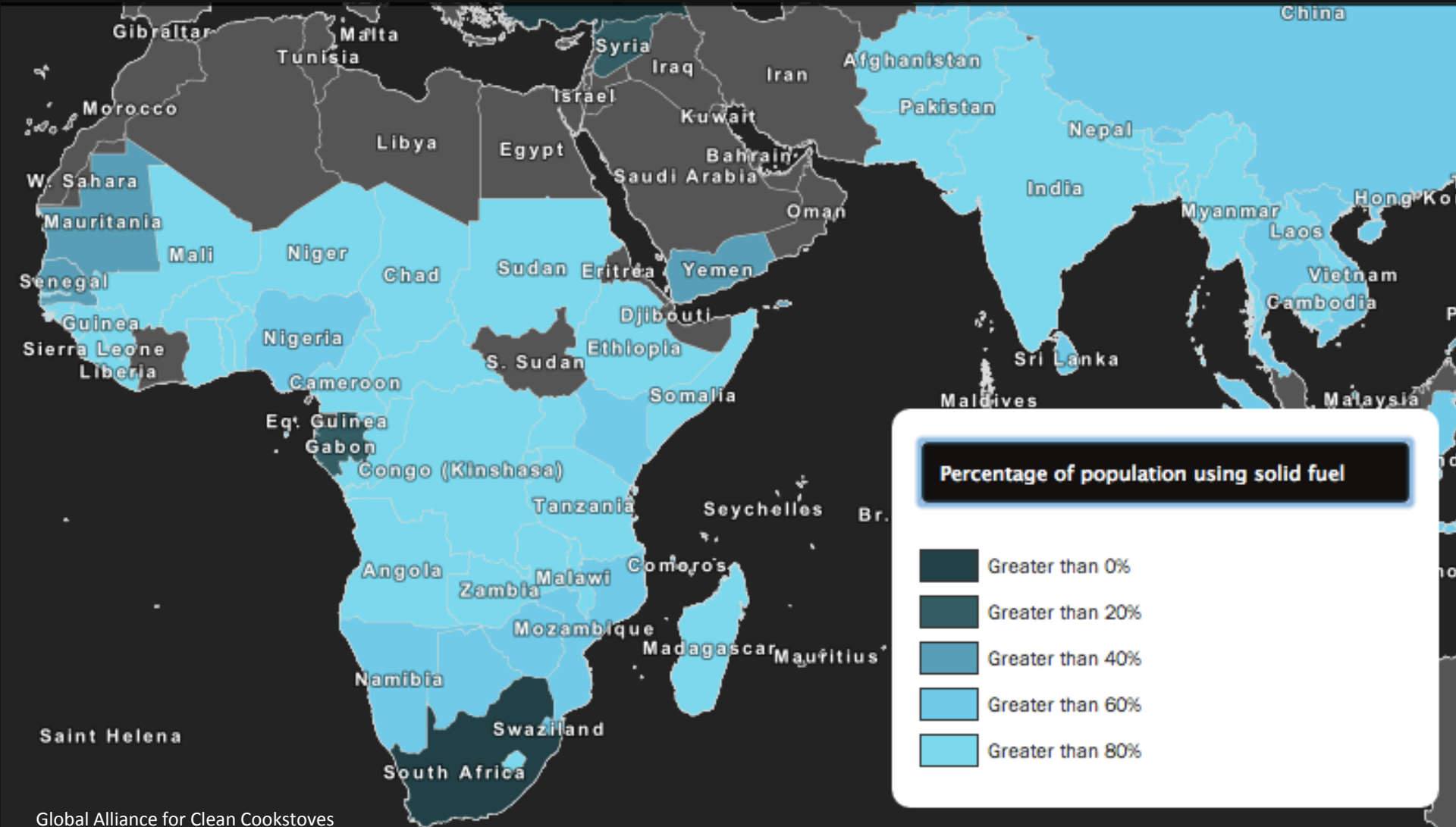


# Poor Fuel Combustion

Wastes **90%** of the wood's energy

Is the primary cause of Indoor Air Pollution

Adds more than **600,000,000** tons of greenhouse gases every year



Global Alliance for Clean Cookstoves

## High Variation in the Cookstove Marketplace

- Poor quality materials
- Lacking quality control standards
- Poor durability
- No standardized testing
- No proven measured reductions in emissions
- No real capacity to expand manufacturing

# INNOVATION TO SAVE LIVES: Focus on Quality

**Envirofit International** works to develop clean technology solutions to improve the human condition on a global scale, with a primary emphasis on applications in the developing world.



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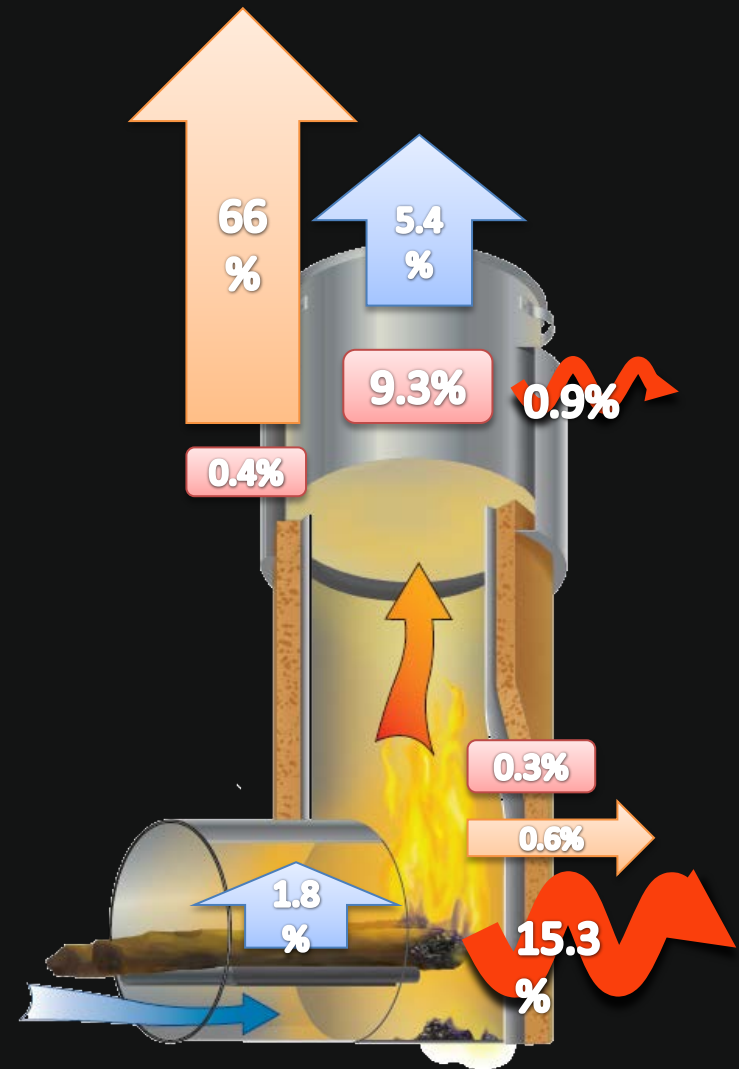
## Rethinking the Cookstove

### Improving the Household

- 80% reduction in smoke & toxic emissions
- 50% reduced cooking time
- 60% reduced fuel requirement
- 50% reduction in fuel costs
- 40% improvement in cooking efficiency

### Improving the Environment

- 60% reduction in CO<sub>2</sub>
- 40% reduction of Black Carbon

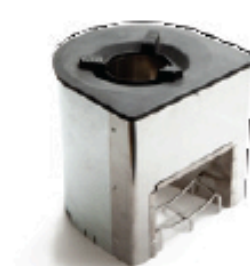




G-3300 Wood



M-5000 Wood



Z-3000 Built-In Wood



Stove Accessories



HM-5000 Plancha Wood



3GT Turbo Wood



EFI-100L Institutional Stove



CH-2200/2300 Charcoal



CH-4400 Charcoal



CH-5200 Charcoal

# THE IMPACT OF 1 COOKSTOVE



**\$335**  
SAVED IN REDUCED  
FUEL COSTS

OR



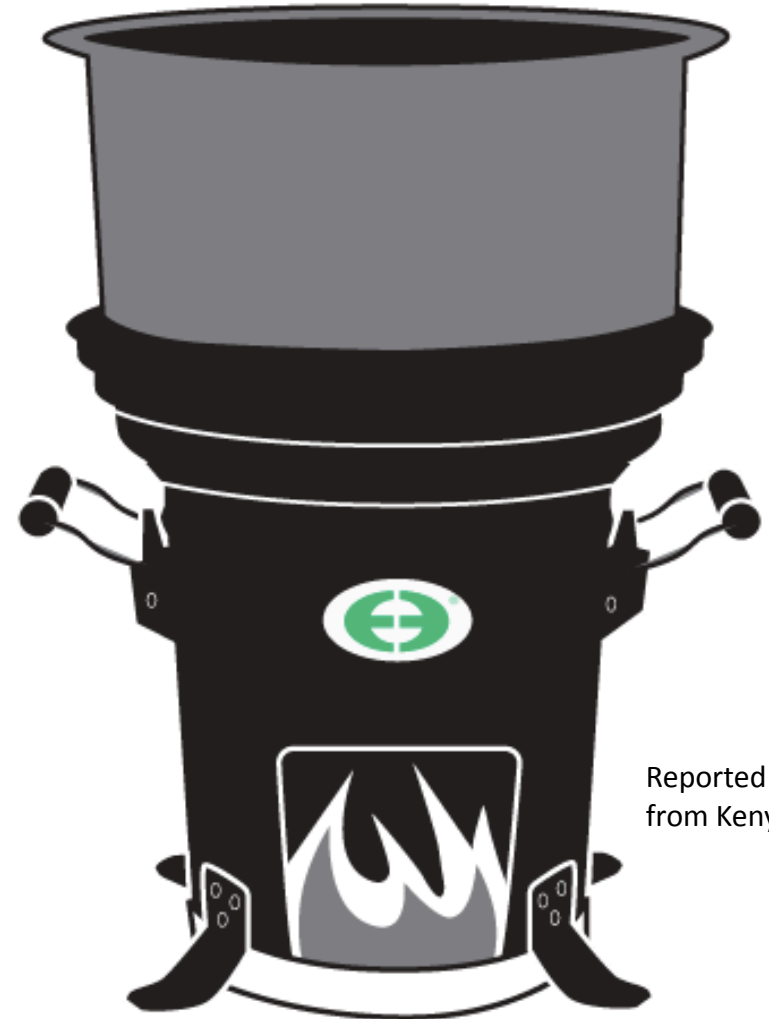
**1095 HOURS**  
SAVED FROM  
COLLECTING FIREWOOD



**13 TONS**  
OF CO<sub>2</sub> EMISSIONS  
PREVENTED



**16 TREES**  
SAVED FROM  
DEFORESTATION



Reported average  
from Kenya

In 6 years Envirofit has enabled **600,000** families to purchase stoves impacting more than **3 Million** people in over **55 countries**.



**\$200 Million** in reduced fuel consumption

**7.7 Million** tons of Carbon Dioxide reduced

**>1000** Direct and indirect jobs created

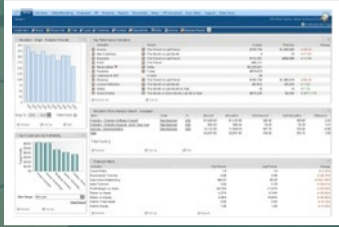
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# ENVIROFIT® Global Carbon Programs

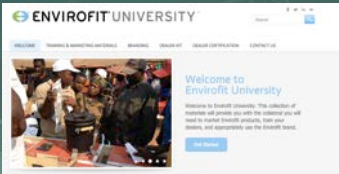
- Offers a direct source for high quality carbon credits
- Custom tailored packages to meet offset needs
- Has a flexible PoA design to add additional countries
- Can add additional partners under the carbon / revenue share
- Offers direct access options - 'rental fee' for use of POA



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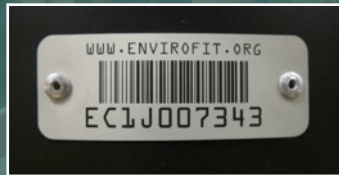
Distribution Database Development



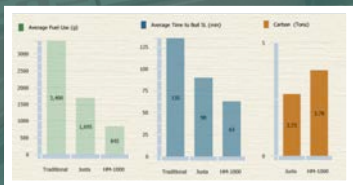
Dealer Education & Training



SMS & Web-Based Data Entry



Serial, Batch, & Barcode Number Tracking



Post-Distribution Impact Reporting



# ENVIROFIT<sup>®</sup> Making a Sustainable Impact

- Reduce the cost of cook stoves to end users
- Create economic growth by providing margin incentives
- Fund operation expenses to monitor and track results
- Creates a reach to larger communities in short span
- Sustainable approach to adopt ICS
- Model can be replicated in other geographies



# IMPACT THROUGH PARTNERSHIP: Scaling the Clean Cookstove Solution





- Start with a quality product that delivers results
- Design the product at a price that is affordable for the target market
- Working globally means thinking beyond the 'one size fits all' approach
- Create meaningful partnerships to help overcome key challenges of price, awareness, credibility etc.
- Leverage large scale distribution networks
- Maximize impact: stoves sold = lives saved

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- Create an internationally recognized Clean Cookstove ISO to improve consumer education
- Reduce the financial burden to the BoP consumer by reducing duties and tariffs
- Raise awareness to increase the demand for improved cookstoves globally and locally
- Offer low-cost or free working capital financing options to lower distribution barriers
- Provide a 'floor price' on carbon off-take that can help reduce time to program sustainability

## Partner with US

The time is now to transform the kitchen and save time, money, and lives.





## CONTACT

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