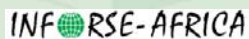


### Sustainable Energy for Productive Use: a Key Challenge for Poverty Reduction

Secou SARR, enda, Senegal  
 INFORSE-Africa



INFORSE-WECF Side Event of  
 UNFCCC COP15, Copenhagen:  
 200 NGOs in Action in Asia & Africa for Sustainable Energy

Monday, 14 December, 2009, 16:30 - 18:00  
 Bella Center, Niels Bohr Room



Side Event organised by  
 International Network for Sustainable Energy (INFORSE)  
 Women in Europe for Common Future (WECF)



Read more on INFORSE's participation at UNFCCC COP15:  
<http://www.inforse.org/europe/cop15.html>

### Key Drivers for Renewable Energy in Africa

- Climate change adaptation/mitigation
- MDG
- **Poverty reduction/development**
  - RET for productive use is key challenge
  - But, Initial Investment cost is a major barriers



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### Clean Energy Technologies for Women Entrepreneurship Development in Senegalese Rural Areas

Women are involved in income generation and job creation  
 mainly through the transformation of agricultural and  
 halieutic products

The technologies used by Senegalese women present the  
 following limits:

- Weak production capacity of the traditional methods that limit scale up opportunities
- Poor quality and hygiene of the final product that can impact the health of local populations
- Use of biomass for fuel (firewood, charcoal, etc) with all the associated environmental problems (deforestation, air pollution, etc) and economic (high costs of biomass fuel)
- Finally, the traditional technologies require significant physical efforts from women



enda

### RET for Women Productive Use

Improved bakeries oven



- wood consumption rate is 0, 2 kg of wood/bread loaf (0,4 kg/Bread trad.oven)
- Capacity : 50 kg to 250 Kg / day
- Price : 60 – 4200 Euros
- Fuel: wood, charcoal or GPL
- Life time = 10 years



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### Cereal Grinding with Solar Mills



- Nominal Volt = 24 V
- Capacity = 100 Kg /day
- Batteries = 24 V
- Power = 0, 3 Kwc
- Impacts:
  - Economical power women
  - Time saving
  - Women entrepreneurship



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