

***INFORSE Side Event, COP 17***

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***Renewable Energy Policies for Climate  
resilience, Sustainable Development  
and Poverty Reduction***

***Case study : Access to Improved Oven  
for fish smoking & Women  
entrepreneurship in Senegal***



# KEY QUESTIONS

- How access to efficient energy equipment can enhance women's resilience to climate change?
- How to strengthen the economic power of women through a micro-finance scheme that promotes access to clean energy equipments?
- How to influence policy using proven approaches?



## *Context*

- Women are involved in income generation and job creation mainly through the processing of agricultural and marine products
- The technologies used by Senegalese women for fish smoking present a number of limitations



# Limitations of Traditional Ovens

- Weak production capacity of the traditional methods that limit scaling up opportunities
- air pollution for women and girls;
- mangrove ecosystem degradation
- high costs of biomass fuel, 75 CFA/kg)



# Fish Smoking Ovens



# Characteristics of the Equipment

- ❖ **Capacity : 500 Kg/H**
- ❖ **Cost : 500 Euros**
- ❖ **Energy saving : 30 %**
- ❖ **High quality of product**



# Comparative Analysis

2m32 Oven	Traditional Oven	Improved oven
Production Cost (FCFA)	150 000	326 000
Capacity (Kg)	250	250
Life span	1 – 3 years	+10 years
Wood consumption / cooking (Kg)	15	5
Cooking time	1 h – 1h 30	30 - 45 mn





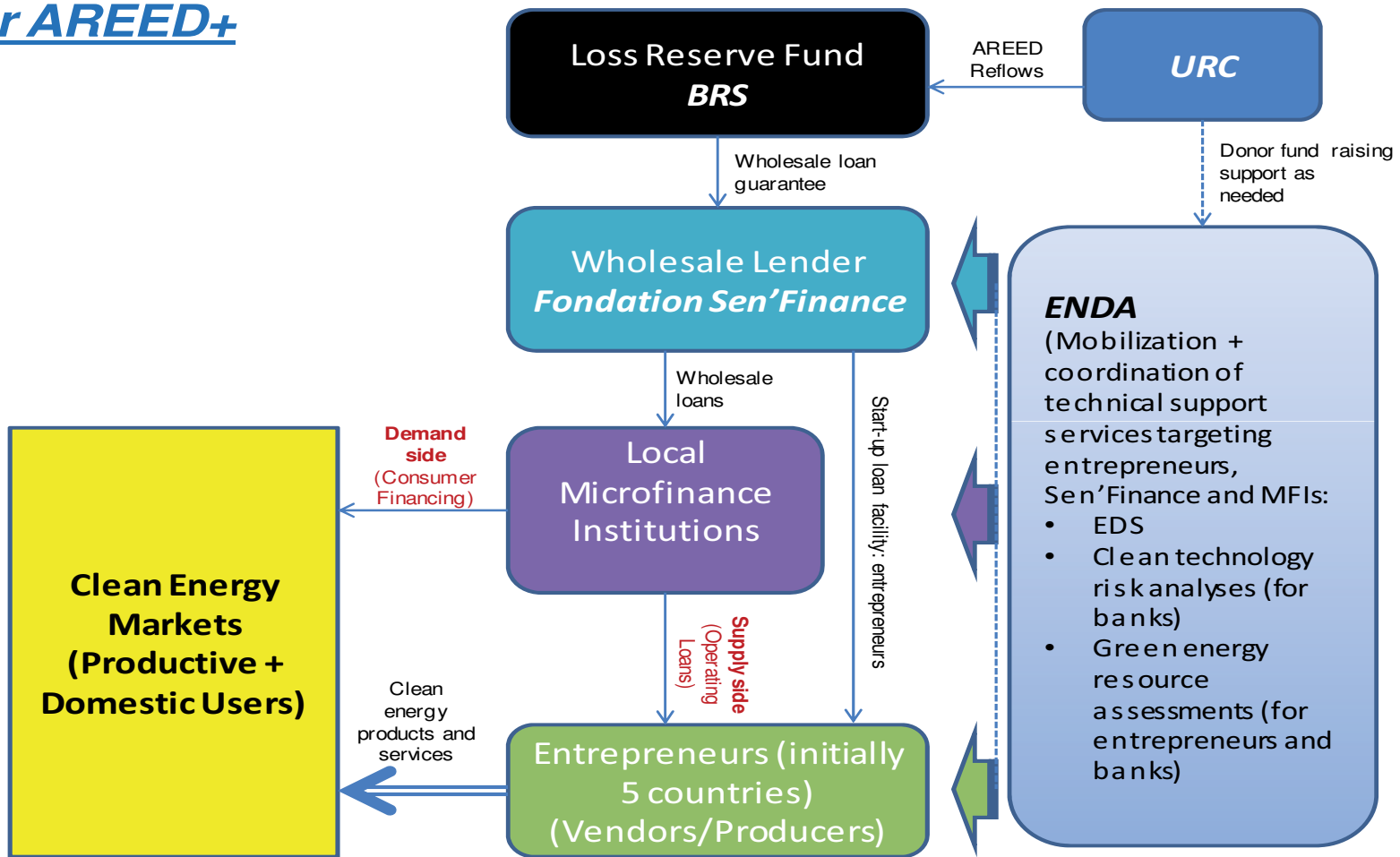
## PROGRAMME OBJECTIVES

- to distribute improved ovens with high performance and high quality of products
- Strengthen women's economic power in rural area / dignity
- Contribute to the reduction of biomass consumption
- Equity relating to access to energy services for productive use





# Funding Mechanism under AREED+



# RESULTS

- Technical factsheets
- Training of associations in management
- Exchange of experience among involved actors
- Micro-financing of equipment users (demand side financing)
- 467 women through 12 women cooperatives active in fish processing



# Market opportunities

- Women and women associations
- 2000 clients from the region where the project is implemented
- Target group: 50% in 3 Years
- The demand of smoked fish increases daily (Senegal, Ghana, Nigeria, Burkina, Guinea)
- The evaluation of this pilot activity shows a huge interest from target groups
- Need assessment will be done in other regions as well as other countries in order to get figure for the global market)



# Market opportunities (2)

- Comparative advantage / Competition
  - Performance of the equipment and quality of the product
  - Financial mechanism to facilitate access to the equipment



***THANK YOU FOR YOUR ATTENTION***



***enda.energy@orange.sn***

***http://www.endaenergie.org***

***Tel 221 33 822 24 96 ; fax : 33 821 75 95***

