



## **SOCIAL BARRIERS TO COMMUNITY PROJECTS IN RENEWABLE ENERGY**

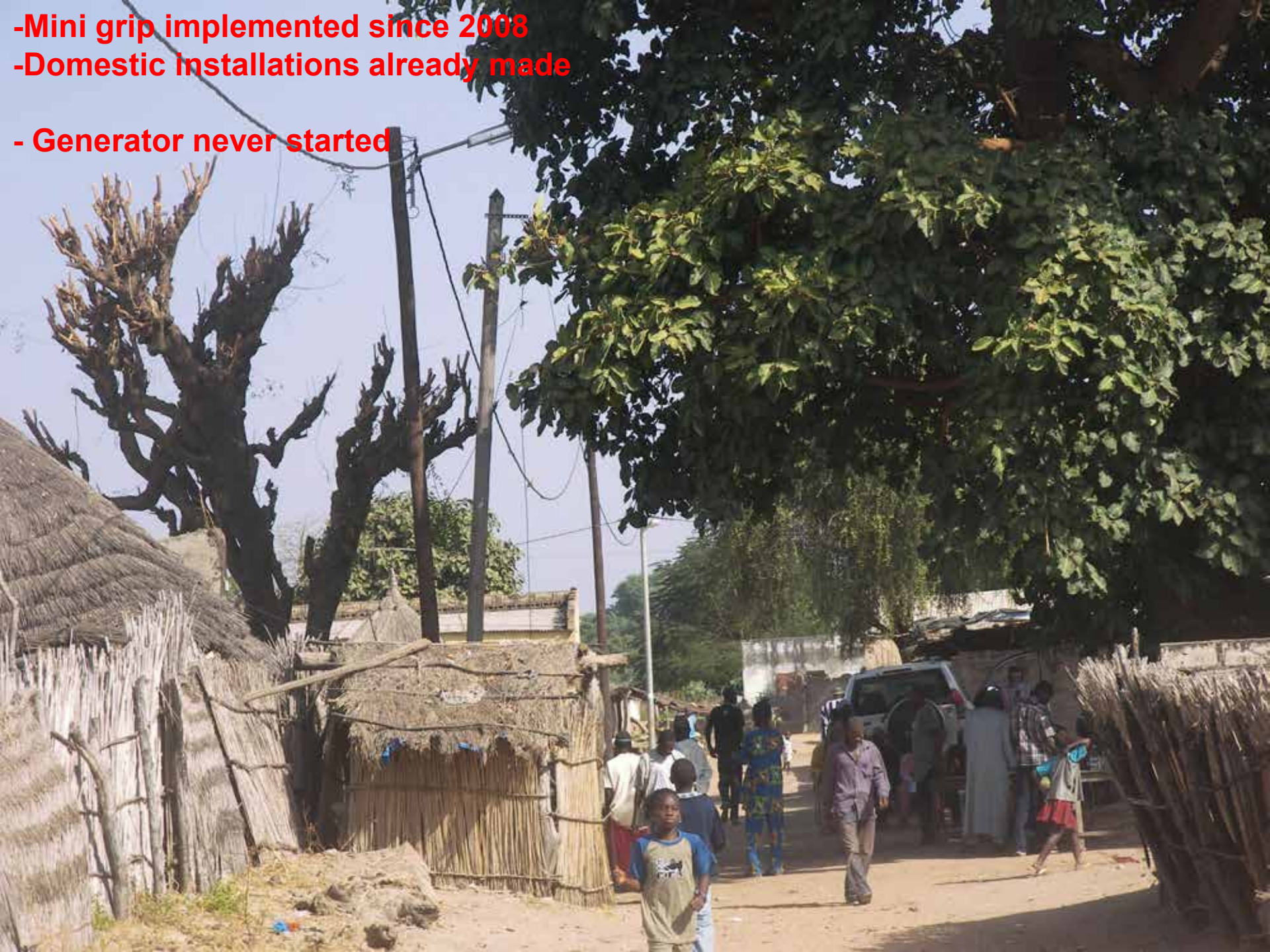
**Enda-Energy  
Sénégal**



# QUESTIONS!!!

- 1- Is that the profile of the promoter plays an important role in the social acceptance of the project?
  - To what extent the credibility and mastery of the subject from the project promoters are fundamental to the social acceptance of the project?
  - What is the weight (effect) of experience (or bad practices) on future projects (within the same domain)?
- 2- To what extent the project should be in line with the values and concerns of the community?
- 3- What is the importance of identifying and taking into account the concerns of the various stakeholders?
- 4- Is that the lack of transparency and non-transmission of genuine information may constitute barriers to the acceptance of the project?

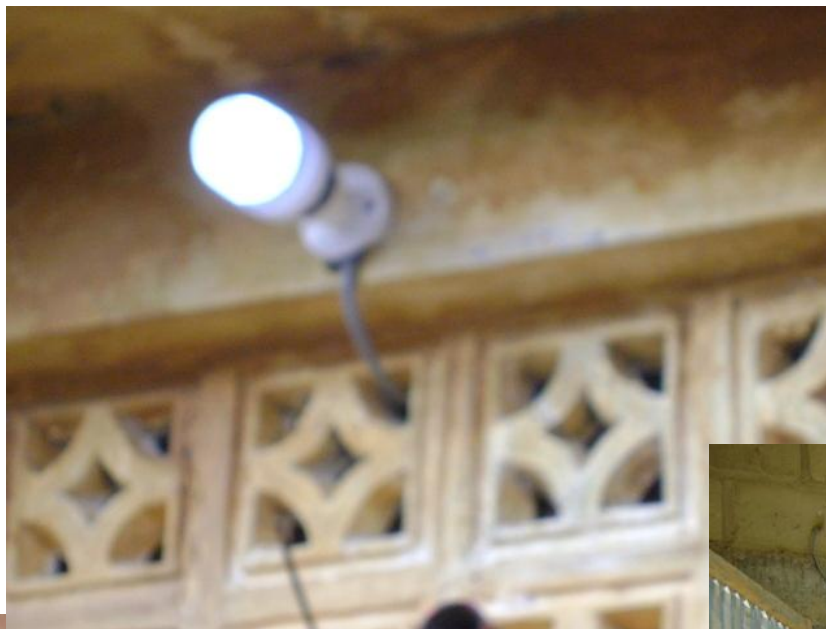
- Mini grip implemented since 2008
- Domestic installations already made
- Generator never started





**Bad practices** → **Reluctance** → **Misconceptions!**

# CONFUSION BETWEEN ELECTRICIAN AND SOLAR EXPERT



## Solar desalination



**Installation that stop working in the very short term**



**Diificulty to make decisions for new project**

# Energy 4 Development! Hope or despair ?



**Fluorosis**



**COMMUNITY  
CONCERNS**



- Dermal
- Pulmonary
- Diarrhea

**ENERGY INFRASTRUCTURES = BIG INVESTMENT**

**+/- LOW ACCESS FROM COMMUNITY PERSPECTIVE**

### Populations on strike

Populations of Fayil village, in the region of Fatick, began a **hunger strike** to demand the electrification of their village. "We are tired, we want electricity. Fayil today is one of the largest villages in Senegal, it is even bigger than the rural community of Diouroup. We are more than 15,000 people and so far we have never had electricity..."

Wednesday, October 2<sup>nd</sup> 2013 [http://www.seneweb.com/news/Societe/fatick-des-manifestants-observent-une-greve-de-la-faim-pour-reclamer-l-esquis-electrification-de-leur-village\\_n\\_47547.html](http://www.seneweb.com/news/Societe/fatick-des-manifestants-observent-une-greve-de-la-faim-pour-reclamer-l-esquis-electrification-de-leur-village_n_47547.html)





# COMMUNITY CONCERNS



## COMMUNITY VALUES



**Religious beliefs** as barriers to social acceptance of the national domestic biogaz program

**Cow dung as impurities! Not to be touch!!!**

**« How can we think that we use cow dung to cook our meals? »**

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### BENEFITS:

- Natural fertilizer!
- Saves time for cooking!
- Fewer problems with smoke (breathing or eyes)!
- Energy for cooking and lighting!



### Enda's contribution:

- Feasability study
- Institutional framework
- Financial mechanism study
- Advisory board

Identify and take into account the concerns of the various stakeholders

-Existence of a technology!

But

-Absence of know-how (needs of **training**)

- **BDS missing link** (Marketing;  
Training on processing;  
Management; value chain approach)

## Solar dryer



Identify and take into account the concerns of the various stakeholders

## Example: Lighting Africa (World Bank) market intelligence

Organisations	Strengths	Weaknesses	Potential role
Grassroots organisations (Women groups, ASC, etc.)	<ul style="list-style-type: none"> <li>- Current organisational System throughout the country country</li> <li>- People network</li> <li>- Availability of credit granting mechanism (Tontine)</li> <li>- Mobilisation Capacity</li> <li>- Commitment of members</li> <li>- Understanding, solidarity, binding deposit</li> <li>- Self-financing</li> <li>- Gender promotion</li> </ul>	<ul style="list-style-type: none"> <li>- Illiteracy</li> <li>- Lack of training</li> <li>- Lack of financial means</li> <li>- Informal organisation (very often)</li> </ul>	<ul style="list-style-type: none"> <li>- distributor (purchase wholesale the product and retail)</li> <li>- Connecting/linking</li> <li>- Mean Info Education Communication (IEC)</li> <li>- Intermediary between women and operators (to guarantee loans/MFI make access easy)</li> </ul>
Microfinance Institutions (MFIs)	<ul style="list-style-type: none"> <li>- Financial means</li> <li>- Knowledge of the environment</li> <li>- Accessibility (corner service)</li> <li>- Micro-credits</li> </ul>		<ul style="list-style-type: none"> <li>- Make access to fund easy (GPF, GIE, individual)</li> <li>- Credit for distributors</li> <li>- Credit for end users</li> </ul>

Organisations	Strengths	Weaknesses	Potential role
NGOs	<ul style="list-style-type: none"> <li>- capacity of Communication</li> <li>- Knowledge of the demand side</li> </ul>	<ul style="list-style-type: none"> <li>- Lack of visibility</li> <li>- Positioning conflicts</li> <li>- Structuration Problems</li> </ul>	<ul style="list-style-type: none"> <li>- Wholesaler</li> <li>- Channel for awareness raising</li> <li>- Working with an MFI for accompanying the process of purchasing</li> <li>- Facilitator</li> </ul>
Local authorities			<ul style="list-style-type: none"> <li>- Intermediary role (support of micro-finance institutions to make access to credit easy)</li> <li>- Accompanying local populations in the process of purchasing kits</li> <li>- Customers for community-based infrastructures</li> <li>- Role of raising awareness</li> </ul>
Small business owners and local Technicians			<ul style="list-style-type: none"> <li>- Ensure technical training</li> </ul>

# TRANSPARENCY AND TRANSMISSION OF GENUINE INFORMATION



- Pay attention to the manipulated information



Old kerosene lantern



Kerosene lantern model (using batteries & LED)

# Sustainability!!?





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