

Sustainable Energy Policy and Research 'Knowledge Terror on cost effective, ecologically sound and healthy energy

> alternatives for low-income rural households Sparknet

OBJECTIVES, STRATEGY AND ACTIVITIES

Joint workshop : CARENSA, SPARKNET, LAMNET, Durban 19-21 August 2002

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Focus and Objectives

- Geographical focus: East and Southern
- Policy dialogue between relevant stakeholders within and between countries.
- knowledge bank on key actors, (research) activities, and projects within each country in four areas: health , gender, forestry, and policy issues.
- Develop 'rapid-prototype' scenario analyses for household energy in each country
- · Policy document for decision-makers



What is available now and by end September

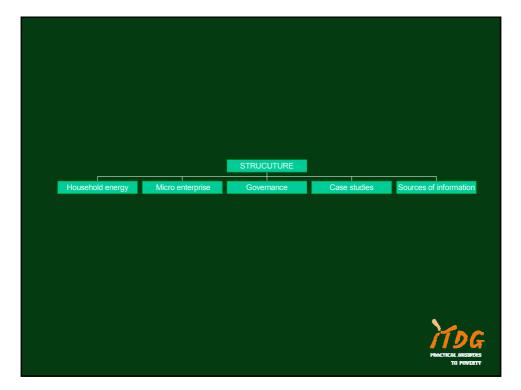
- Database on members and associates
- >Macro and micro data for seven countries
- Position papers on 3 key themes : Household energy and health, HH and gender, HH and forestry. Second series by end September
- >Comprehensive bibliography
- ≻Glossary

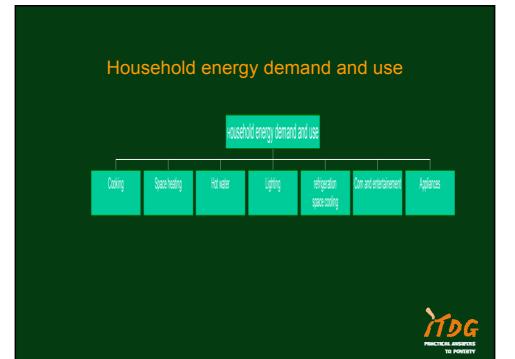


SPARKNET Work packages : Deliveries

- Record and review the present situation Country reports
- Centres of excellence and best practice knowledge bank on key actors
- Scenarios for the future
- · Policy options and analysis







Market Comparison

Rated Output			
Price (£)			



Manufacturing and Local Design (output 3)

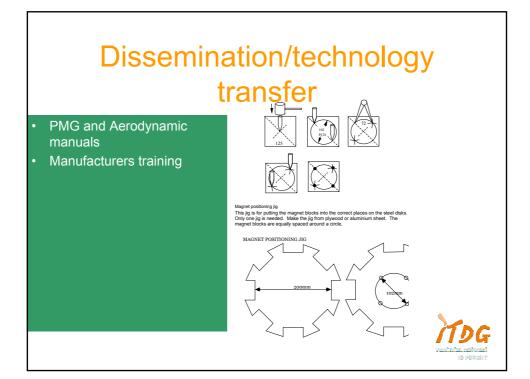
 Wind systems designed in Peru, Sri Lanka and Scotland



Demonstration units

 Test sites in Peru, Sri Lanka, UK





Impact: poverty

- Demonstration project: longer period to assess the impact on poverty.
- The pilot in Sri Lanka has benefited a very poor family.
- Previous sources of lighting (mostly kerosene) replaced by electric lighting. financial savings and a reduction in the risk associated with kerosene
- Modest income from the charging of neighbour's batteries.
- Unexpected impacts improved safety, due to the protection offered by improved lighting, from wild predators.
 - Operators understand the basics of wind energy are able to carry out simple maintenance.
 - The two entrepreneurs able to manufacture PMG.: indicator of technology transfer

Impact: Gender

- Still marginal
- more comfort in carrying out domestic activities
- Reduction in wood collection : fire camps (Sri Lanka)





Impact: Environment

POSITIVE

- Renewable source of energy
- Battery charging from fossil fuels

NEGATIVE

• Other negative: visual, noise



Knowledge and Lessons

- Wind energy is another environmentally sound and cost effective source of energy for poor households.
- The project has already proved that there is a market
- manufacturing can be undertaken locally.
- Wind energy a new technology option for ITDG
- More systematic monitoring of economic and social impact



What next:

- · Follow-up project submitted
- Strategy for dissemination (Website, CD Rom, booklet).
- Other schemes

