



WACCA Regional Workshop: Ouagadougou, Burkina Faso, 23 - 25 April 2013

SUMMARY of WORKING GROUP MEETING on Liquid and gaseous fuels

Key questions and main issues addressed

- **Context:**

Strong pressure on/destruction of forests through high firewood usage

- **Possible solution:**

Alternatives to firewood e.g. liquid and gaseous fuel exist:

- LPG
- Biogas
- Bio-ethanol
- Kerosene → clean?

but which alternatives are concretely possible for clean and sustainable cooking? Availability? Accessibility and means to support the production? Relevant equipment and their accessibility?

Challenges meet solution

Challenges

Accessibility & supply chain of the different alternatives

Efforts focusing on improved cook stoves using biomass vs. alternative liquid & gaseous fuels

Possible solutions

- Deeply analyze the supply chain of each fuel source incl. country specifics (available resources) and rural vs. urban areas
- Mix of fuel sources adapted to local situation to be developed & updated vs. unique solution
- Adapt strategy & support to the supply chain of each fuel source incl. awareness raising & facilitated access to users
- Increased discussions on the topic at ECOWAS level and with ECRREEE's support

Challenges meet solution per fuel source

Type	Challenges	Possible solutions/ Good practices
LPG	<ul style="list-style-type: none">• Availability of LPG• Sales price to consumer• Acquisition of equipment• Multiplication of PoS/distribution channels	
Biogas	<ul style="list-style-type: none">• Critical mass of biomass/waste needed to create biogas	
Bio-Ethanol	<ul style="list-style-type: none">• Availability of bio-ethanol on the market• Equipment adapted to bio-ethanol• Higher price	<ul style="list-style-type: none">• R&D needed

RECOMMENDATIONS

Regional	National
<p>Focus on fuels:</p> <ul style="list-style-type: none"> • Common: LPG & biogas • Case by case: other fuel alternatives <p>incl. sharing of best practices and lessons learned; national & regional targets</p>	<p>Diagnostic study on each source per country and recommendations on needs related to liquid and gaseous fuels in terms of:</p> <ul style="list-style-type: none"> – Awareness raising – Capacity building – Equipment – Access to finance
<p>Development of regional R&D in all new alternatives for local vs. imported solutions with support/coordination of ECREEE, incl. possible partnerships</p>	<p>Development and implementation of national relevant mix of liquid and gaseous fuels</p>
<p>Promotion of alternatives & adapted equipment with concrete supply chain over the region/country mix</p>	
<p>Harmonization of policies, taxes & subsidies equally across the fuel sources and usage (domestic vs. industrial)</p>	

Thank You! Merci! Obrigado!

I JOIN



**ECOWAS INITIATIVE ON CLEAN, SAFE, EFFICIENT AND
AFFORDABLE COOKING ENERGY SOLUTIONS**

