



Technical Working Group: **FUELS**

- Introduction
- Biofuels in Uganda
- Why to establish this Working Group
- Strategy for the Working Group
- Expected outcomes

Introduction

- The forestry cover has shrunk from over **10** million Ha in 1900 to slightly less than **5** million Ha in 1990 and **3.6** million Ha by 2005
- Harvesting 50% of available vegetal wastes at garden level generates over **6 milion** tones of biomass fuel

Biofuels in Uganda

- Definition: Biofuels are fuels produced directly or indirectly from organic material i.e. biomass – including plant materials and animal waste.

Biofuels in Uganda

- Tree biomass demand is estimated at **44** million tones
- About **1.2** million tones of agricultural wastes available annually
- About **50%** of the charcoal trade could be replaced by briquettes from waste

Types Biofuels in Uganda

Solid Biofuels	Liquid Biofuels
Wood	Biodiesel
Sawdust	Ethanol
Domestic refuse (biogas)	
Agricultural waste	
Carbonised Brq.	
Un-carbonized Brq.	
Pellets	

Briquettes

- Carbonized & Un-carbonized



Others Biofuels

- Wood | Pellets | Woodchips | Bagasse | Maize Cobs | Rice Husks | Papyrus |
- Stalks (Maize, Sorghum, Cassava, Cotton etc)



Biofuels in Uganda

- Over **250** active micro, small, and medium enterprises
- Mostly in and around Kampala/ Wakiso
- There is some awareness on Biofuels esp. charcoal Briquettes

Market

- Kampala alone is estimated to have over **10 thousand** commercial food vendors
- Improved stove penetration will reach 70% from 15% in 2040
- Prices

	Per Kilo
Charcoal	1,500
Charcoal Briquettes	800 – 1,000
Wood	600
Sawdust Briquettes	500 - 700

Market

- If **20 small** businesses in Uganda could **3,000 tonnes** of briquettes per year they would be substituting around 10% of the charcoal used.
- Equipment and machinery can represent up to **70%** of the total investment needed

Why to establish this Working Group

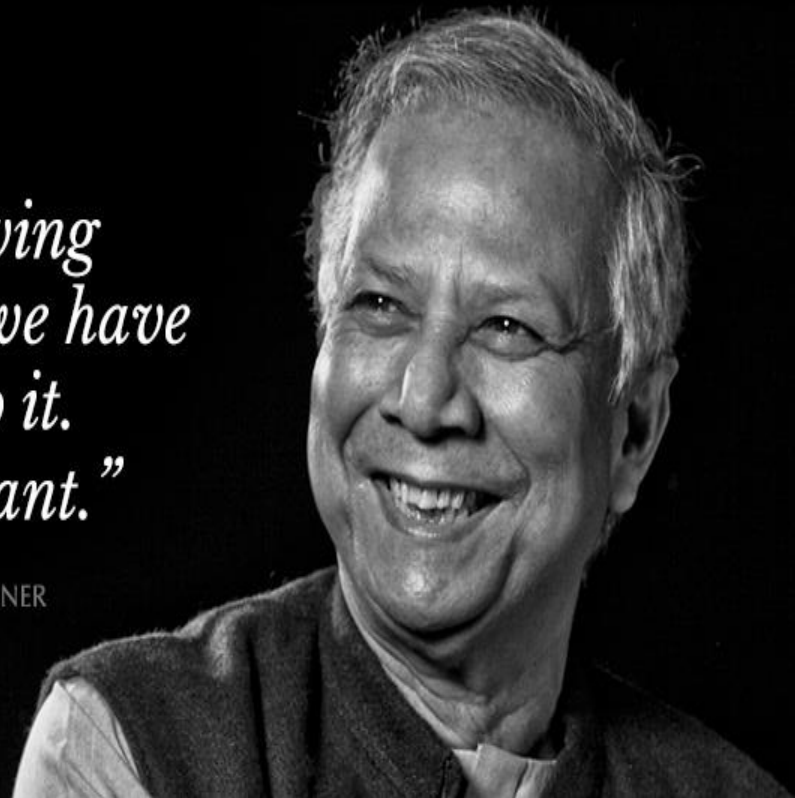
- What it **IS** about
- What its **NOT** about

Expected Outcomes

- Structure
- Topics to work on
- Responsibility (who, when)
- Participants

*“If we are not achieving
something, it is because we have
not put our minds to it.
We create what we want.”*

MUHAMMED YUNUS, NOBEL PEACE PRIZE WINNER



THANK YOU