

# Influencing Advocacy...

Solomon Mpoke

Director

KENYA MEDICAL RESEARCH INSTITUTE

HATTIBAN RESORT, NEPAL

29<sup>TH</sup> MARCH 2015

# Sources of Electricity

Source	Capacity (MW)	Capacity (%)
Hydro	827	36
Gas, diesel	811	35
Geothermal	593	26
Baggasse cogeneration	38	2
Wind	26	1
TOTAL	2296	100

# Petroleum reserves

- \* In mid – 2012 oil was discovered in Kenya
- \* As of January 2014, it was confirmed Kenya's Northern Basin could have an excess of 1 billion barrels of oil. Kenya's deposits may top 10 billion barrels.

# Still a huge energy gap

- \* Demand of 3.5 million tonnes per year of fuelwood against a supply of 1.5 million
- \* Threat to forests (less than 10%)
- \* Need to design innovative alternatives to biomass fuel

# Energy sector Development Plan

- \* **1. REGULATIONS FOR BIOGAS TECHNOLOGY BY 2017**
- \* **2. STANDARDS AND REGULATIONS FOR IMPROVED BIOMASS COOK STOVES FOR THE DOMESTIC AND INSTITUTIONAL SECTORS BY 2016**
- \* **3. RENEWABLE ENERGY RESOURCE ADVISORY REGULATIONS BY 2017**
- \* The budget set aside for these is approximately USD 28.57 Million.

# Role of KEMRI

- \* KEMRI monitor, report and verify the health benefits associated with upscaling of cookstoves.
- \* KEMRI will develop research proposals that will assess the impact of clean cooking stoves on prevalence and incidence of respiratory infections among children, maternal health, and impact on incidence of domestic-related burns.
- \* Infrastructure already in place for large studies to monitor health benefits of clean energy
- \* Studies conducted by KEMRI in two areas in Kisumu
- \* Previous studies had shown indoor air pollution as main cause of Acute Respiratory infections in children in Kibera slum

# Advocacy

- \* Depend on the developmental status of the country
- \* Evidence based policy formulation and implementation
  - \* Need to accelerate studies that demonstrate clear beneficial outcomes of use of clean cookstoves
  - \* Need to be able to demonstrate the economic benefits (savings)
  - \* Need to create awareness - explosion hazards

# Promoting uptake of cookstoves....

- \* Conduct enterprise capacity building workshops and establish a credit facility to build cookstoves distribution business
- \* Establish a regional testing and knowledge center for cookstoves;
- \* Liaise with regulators of Standards to define minimum standards for cookstoves (cleanliness, safety, emissions, and performance).





**KARIBU KENYA!**