

**UGANDA 100%  
RENEWABLE ENERGY  
SCENARIO AND PLAN BY 2050**



## Launch of the Uganda 100% Renewable Energy Scenario and Plan by 2050 February 9, 2023

**Clean Cooking in Uganda: What does Uganda need to offset the dire biomass energy demand in the run up to 2030?**

JEEP Folkecenter - Kyanja (Kampala)

Email: [info@jeepfolkecenter.org](mailto:info@jeepfolkecenter.org)

Tel: +256 772 468 662

+256 701 929974

<https://jeepfolkecenter.org/>

CATALOGUE of LOCAL SUSTAINABLE SOLUTIONS:

<https://localsolutions.inforse.org/>

**EASE & CA East Arica NGO Cooperation Project**



Nordic Folkecenter  
for Renewable Energy

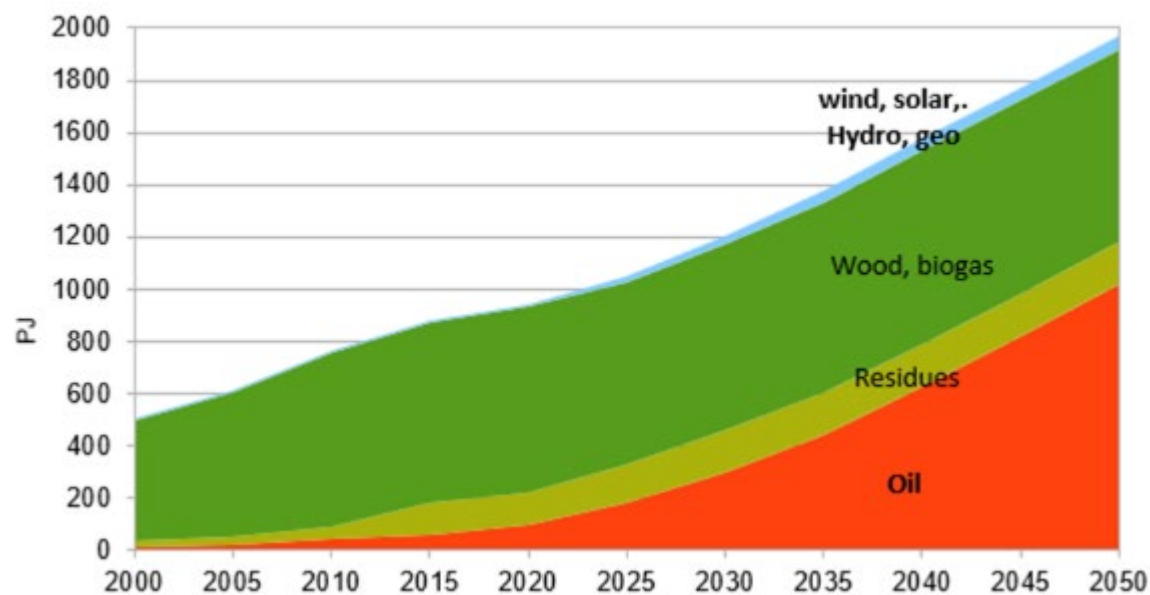
**Supported by CISU, Denmark**



# UGANDA 100% RENEWABLE ENERGY SCENARIO AND PLAN BY 2050

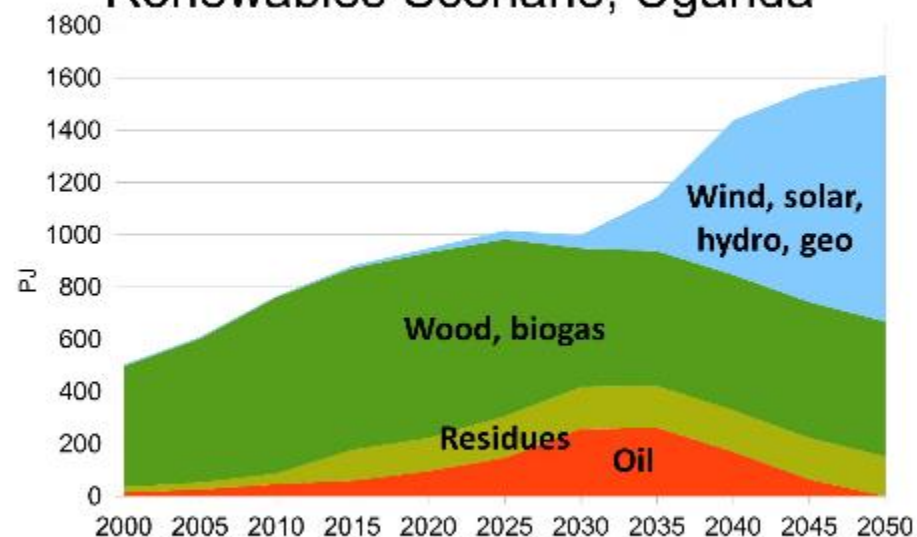


Total primary energy demand, BAU Scenario, Uganda



Business-as-Usual (BAU) Scenario by 2050

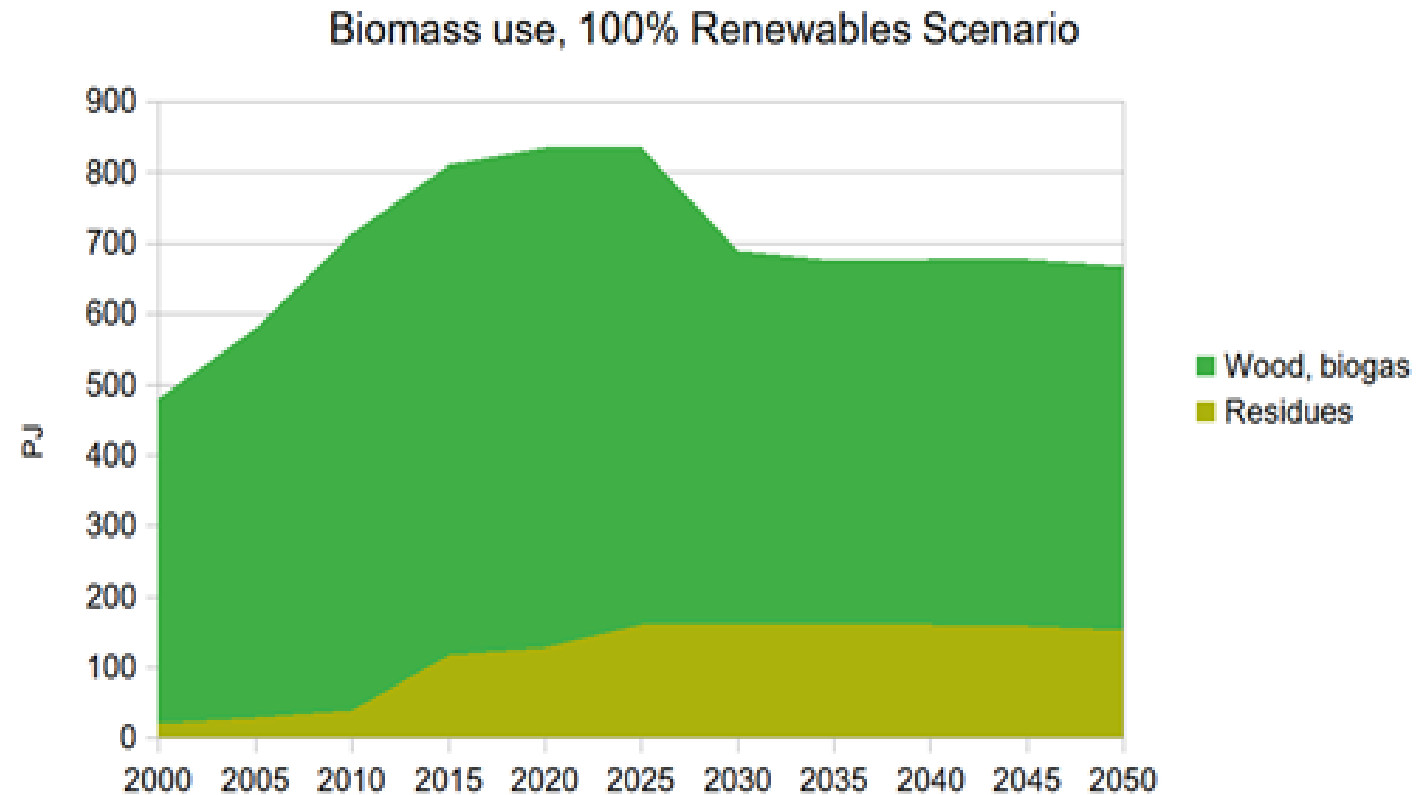
Total primary energy demand, 100%  
Renewables Scenario, Uganda



100 %Renewable Energy Scenario by 2050

Towards Biomass sustainability.  
**What JEEP is doing.....**

Uganda is using more wood than its sustainable level, leading to deforestation. In the 100% renewable energy scenario, this demand is reduced to the sustainable level.



# JEEP Interventions in Renewable Energy

- Awareness creation.
- Training in sustainable energy solutions (domestic energy saving stoves and fireless cooking)
- Solar installations and promotion of solar lanterns for lighting.
- Biogas installations
- Promotion of tier two clean cooking technologies (EPC, Solar for cooking, Ethanol for Cooking).
- Tree nursery establishment and tree growing.

## JEEP's Actions:

### Awareness Raising in the communities



Community Drives



District Awareness



Community Awareness



**Training In Food Baskets**



**Trainings In Stoves**



**Training in Tree Nursery**



**Training In Briquettes**



## Creating Awareness For Local leaders



# Promotion and construction of Improved Institutional energy saving stoves



# Solar Installation



# Solar for cooking and food preservation

- Solar thermal cookers with Njuba foundation in Kasubikamu Mpigi district.
- Solar driers (food preservation and processing).
- Solar generator (on going research and modifications with Nordik Folke Center).



# Biogas for cooking and electricity generation





## LOCAL SUSTAINABLE SOLUTIONS in EAST AFRICA:

UGANDA - KENYA - TANZANIA

## CATALOGUE: ONLINE 80 + CASES

[WWW.LOCALSOLUTIONS.INFORSE.ORG](http://WWW.LOCALSOLUTIONS.INFORSE.ORG)



## Cooking



### Cooking fuels



## Light, Electricity



Water



## Growing food, oils



## Transport



**Solar heat & others**

### By Country



## Missing Gaps

- High levels of ignorance (more awareness needed)
- Mind set change (more awareness needed).
- Cost of clean energy products are still high (solar installation, EPCs, Biogas)
- Standardisation and regulation of renewable energy products
- Enforcement of government policies
- Lack of affordable reliable renewable energy harnessing devices.