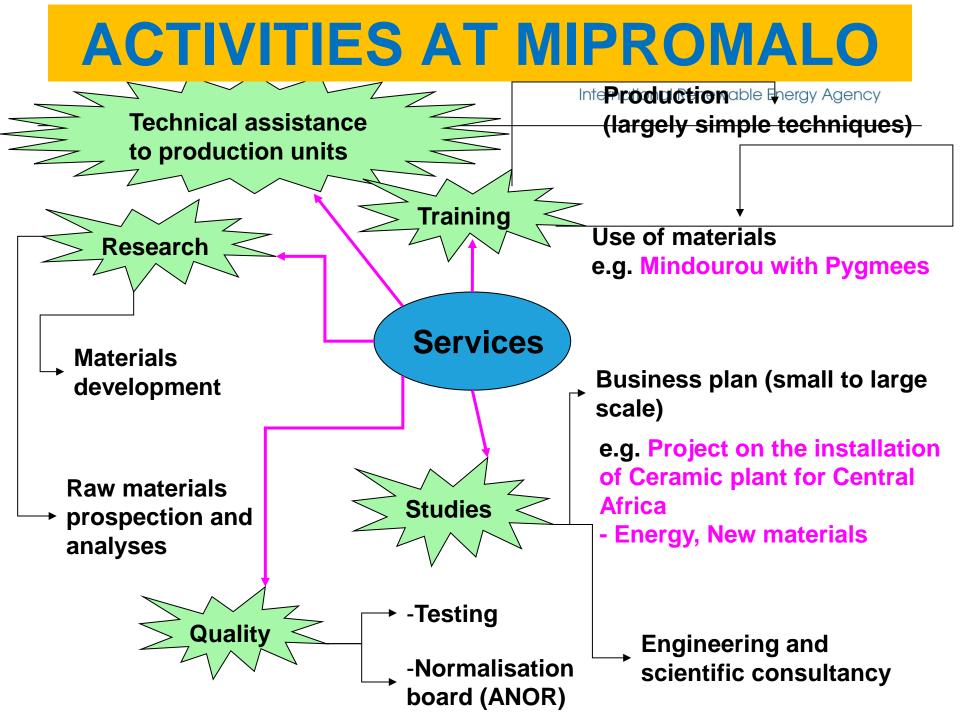


The Local Materials Promotion Authority



Valorization of Biomass Residues as an Energy Source(Valo-BRES) Prof. Uphie Chinje Melo, Dr. Ndigui Billong

- Pilot studies in Cameroon, Ghana, Nigeria, Senegal and Uganda
- MIPROMALO, as a promoter of the valorization of local materials, is pleased to be working with IRENA to promote the valorization of biomass residues as energy source in Cameroon.
- Material (ash) recovery in this process is another valorization pathway









Money up in smoke and limited power for small scale and cooperative agro-processors in Cameroon like palm oil, coffee.







Neglected investment opportunities in biomass wastes at the small scale !







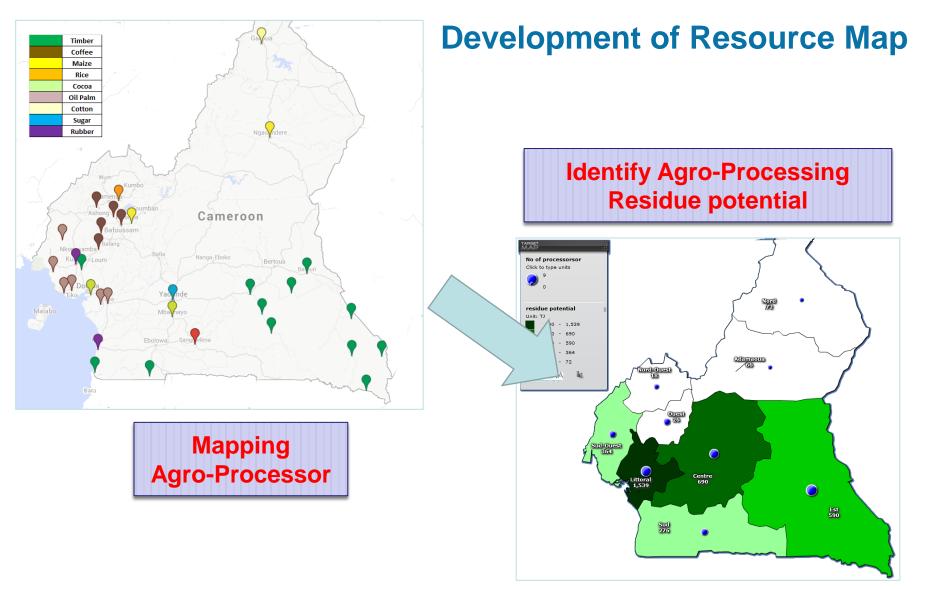




The Valo-BRES Approach 1. Input 2.Technology 3. output 4. optimization option Statistics data Social, economic and Selection of • Type of biomass Local survey environmental optimal • Type of • Technology data benefits technology technology suitable for local condition

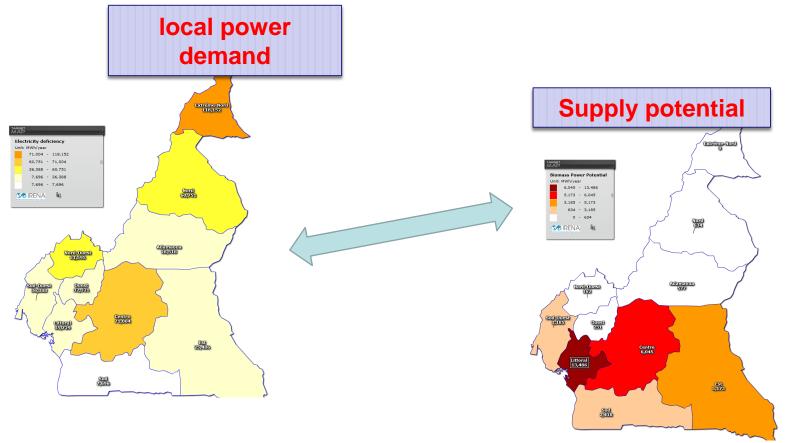








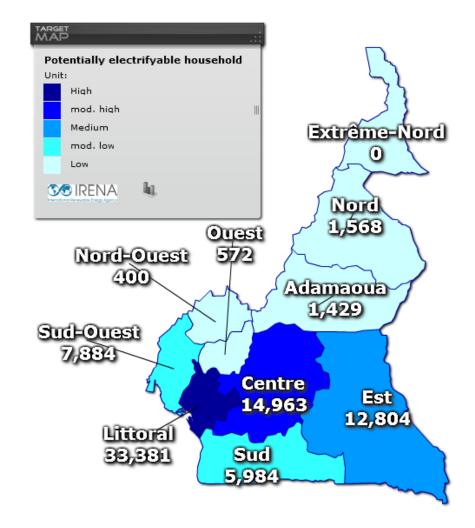




Supply-Demand Matching







Number of potentially electrifiable households from residues





Initial findings

- Large agro-processing residue potential
 <u>3.6PJ (potentially electrify 80,000 off-grid household)</u>
- Uneven distribution of agro-processing residues across the country <u>Ranges between 0 - 1.5PJ by region</u>

Further survey / assessment needed to improve study

- Limited locally specific data
- Comparison of different technology pathways from multiple aspects including economic, social and environmental is required