



SUSTAINABILITY CO-BENEFITS OF BIOENERGY BEYOND CLIMATE

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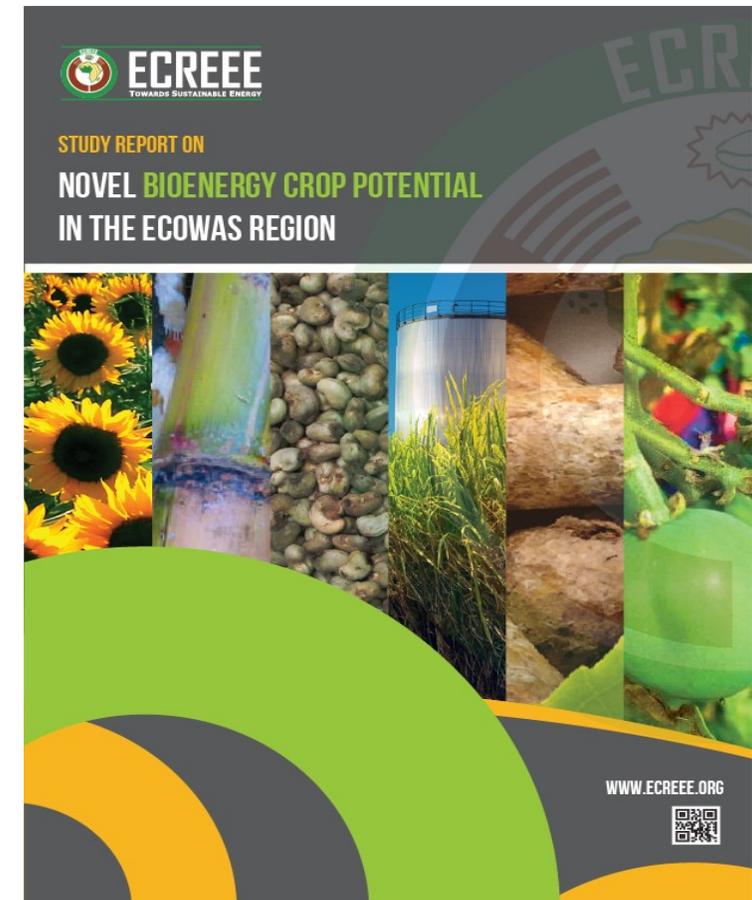
General overview of Bioenergy in the ECOWAS region

- ❑ More than 70% of the over 350 million inhabitants of the ECOWAS region rely on bioenergy (firewood and charcoal) for their daily heating and cooking;
- ❑ The production and utilization of biomass is predominantly done by traditional means;
- ❑ Woodfuel (charcoal and firewood) dominant biomass products;
- ❑ Ecological degradation that accompany production and use of biomass is significant (i.e. CO₂ emissions and forestlands destruction);



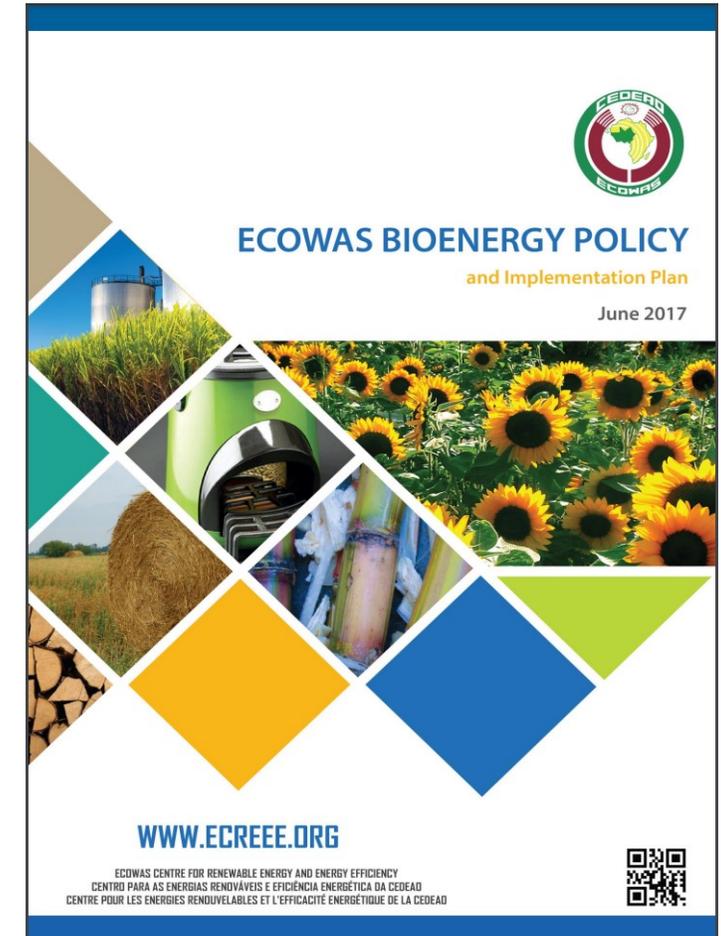
General Overview of Bioenergy in the ECOWAS region (Cont'd)

- ❑ Significant biomass resource potential but while biomass sourced from purpose-grown crops is on the increase in some of the developed world, biomass for energy is still sourced from natural woodlands in West Africa;
- ❑ Sustainability challenges are huge and prominent;
- ❑ Sustainability challenges have led to policy and regulatory framework developments;



Development a Regional Sustainable Bioenergy Policy

- ❑ Adopted July 2017 in Monrovia (Liberia)
- ❑ Aims To improve food and energy security through the deployment of sustainability criteria in the production, transformation and utilization of biomass resources to contribute to the Sustainable Energy for All (SE4ALL) Initiative. - Complements the West Africa Clean Cooking Alliance (WACCA)



Links between sustainable bioenergy and SDGs





ECOWAS Bioenergy Policy (EBEP) and sustainability co-benefits

- ❑ Implementation of EBEP promotes sustainability in the regions of livelihoods development 
- ❑ This has therefore created opportunities for sustainability co-benefits (beyond climate) leading to ways to create win-win approaches;
- ❑ When bioenergy supply chains are implemented appropriately and integrated with existing systems, they can have overwhelmingly positive contributions towards human livelihoods.

ECOWAS Bioenergy Policy (EBEP) and sustainability co-benefits (Cont'd)

EBEP promotes:

Agricultural biomass supply chains (energy crops and residues)



Waste and forest supply chains



The Consumption of sustainable biofuels in substitution of fossil fuel and traditional use of biomass:



The development of bioenergy systems in rural and indigenous communities which indirectly supports societal SDGs such as





Other socio-economic co-benefits of bioenergy:

Employment and income generation;



Youth and gender empowerment;



Stems rural-urban drift especially of the youth;

Improve health from reduced smoke inhalation (women & children); and



Reduces danger associated with collection of firewood, etc.



MUITO OBRIGADO
MERCI BEAUCOUP
THANK YOU