

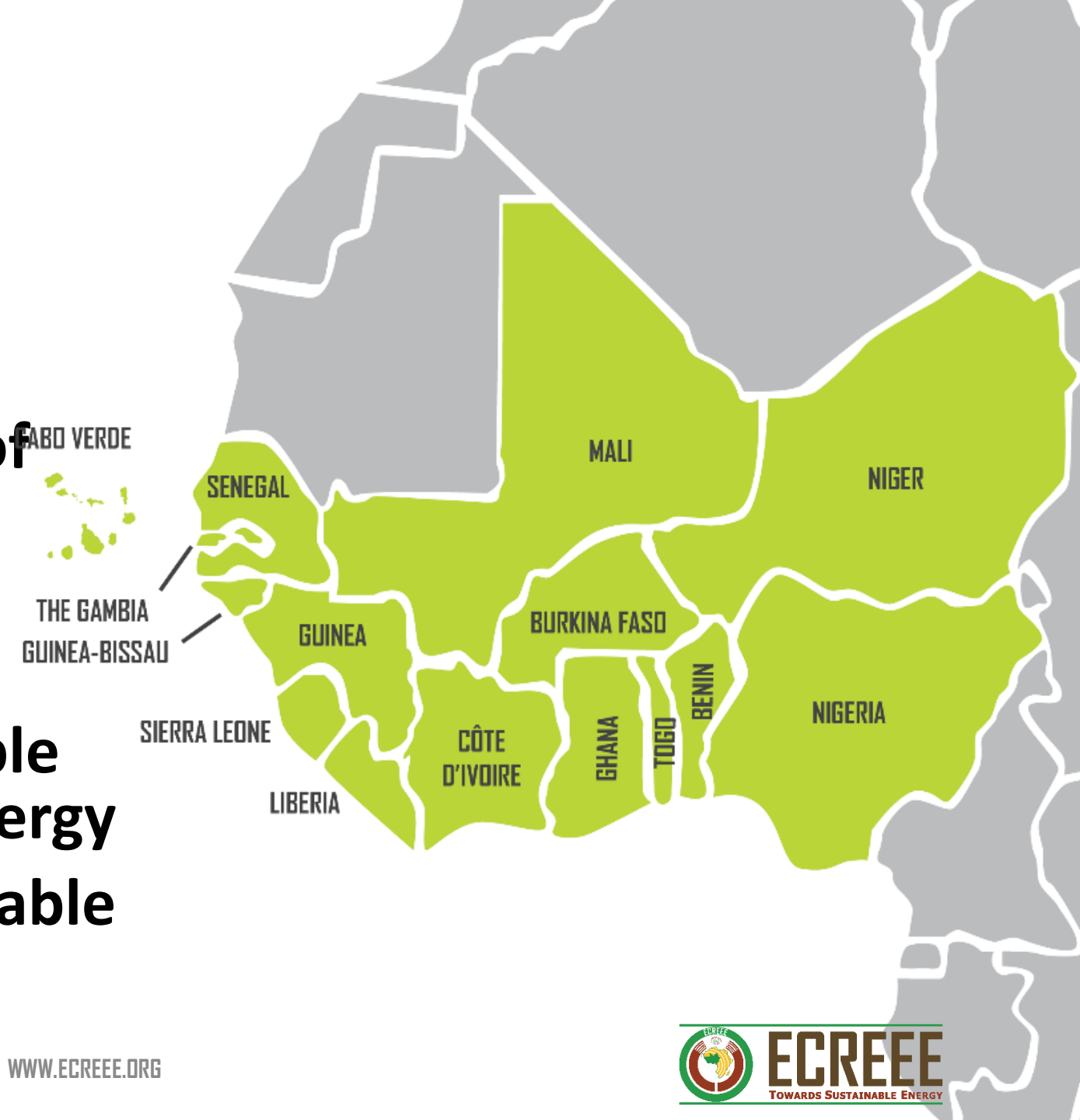
BIDENERGY STRATEGY DEVELOPMENT IN THE ECOWAS REGION

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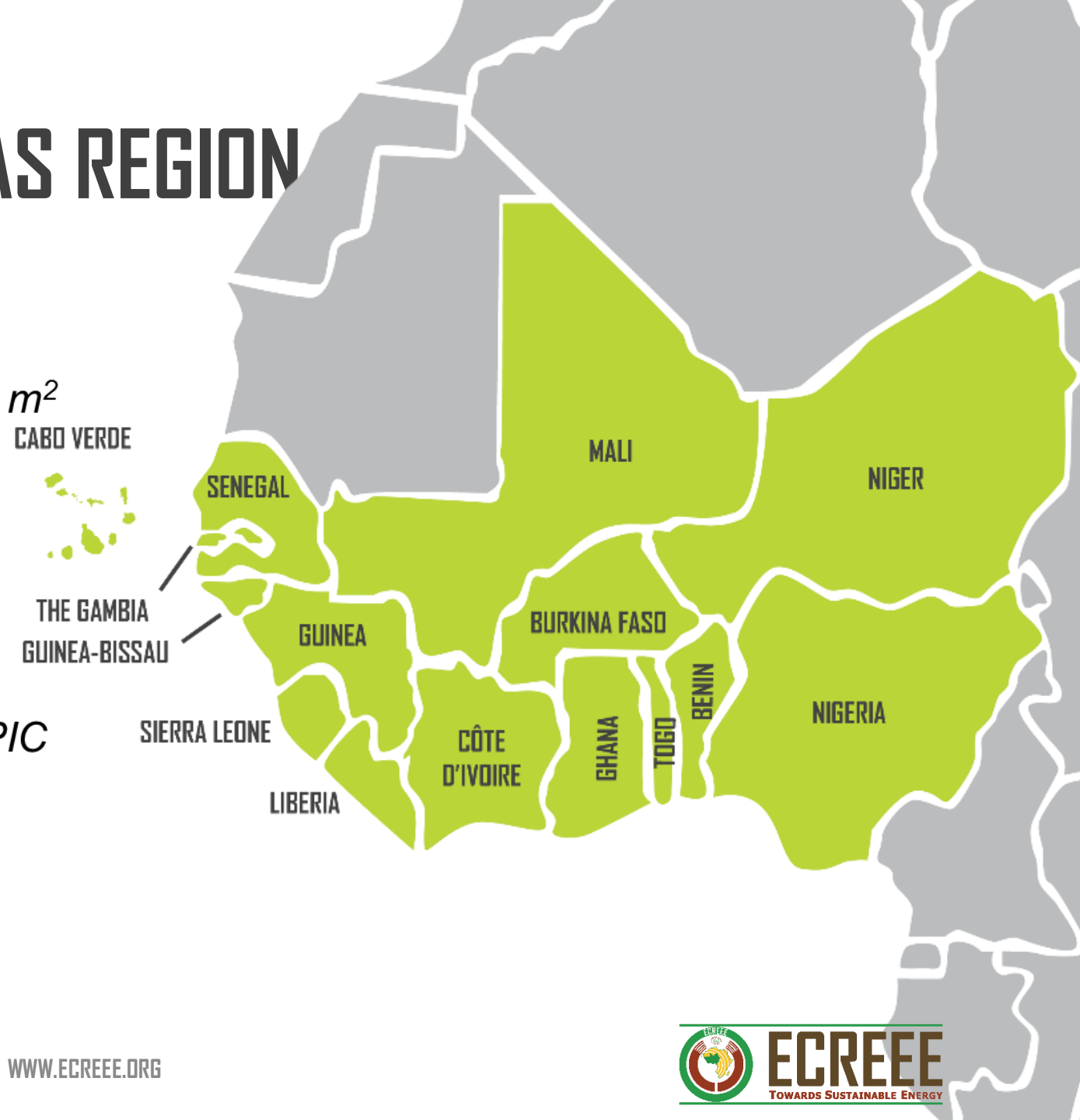
PRESENTATION OUTLINE

1. **Introduction: The ECOWAS Region and Establishment of ECREEE**
2. **Bioenergy Challenges and Potentials**
3. **Opportunities for Sustainable Energy Services from Bioenergy**
4. **Case Study: ECREEE Sustainable Bioenergy program.**



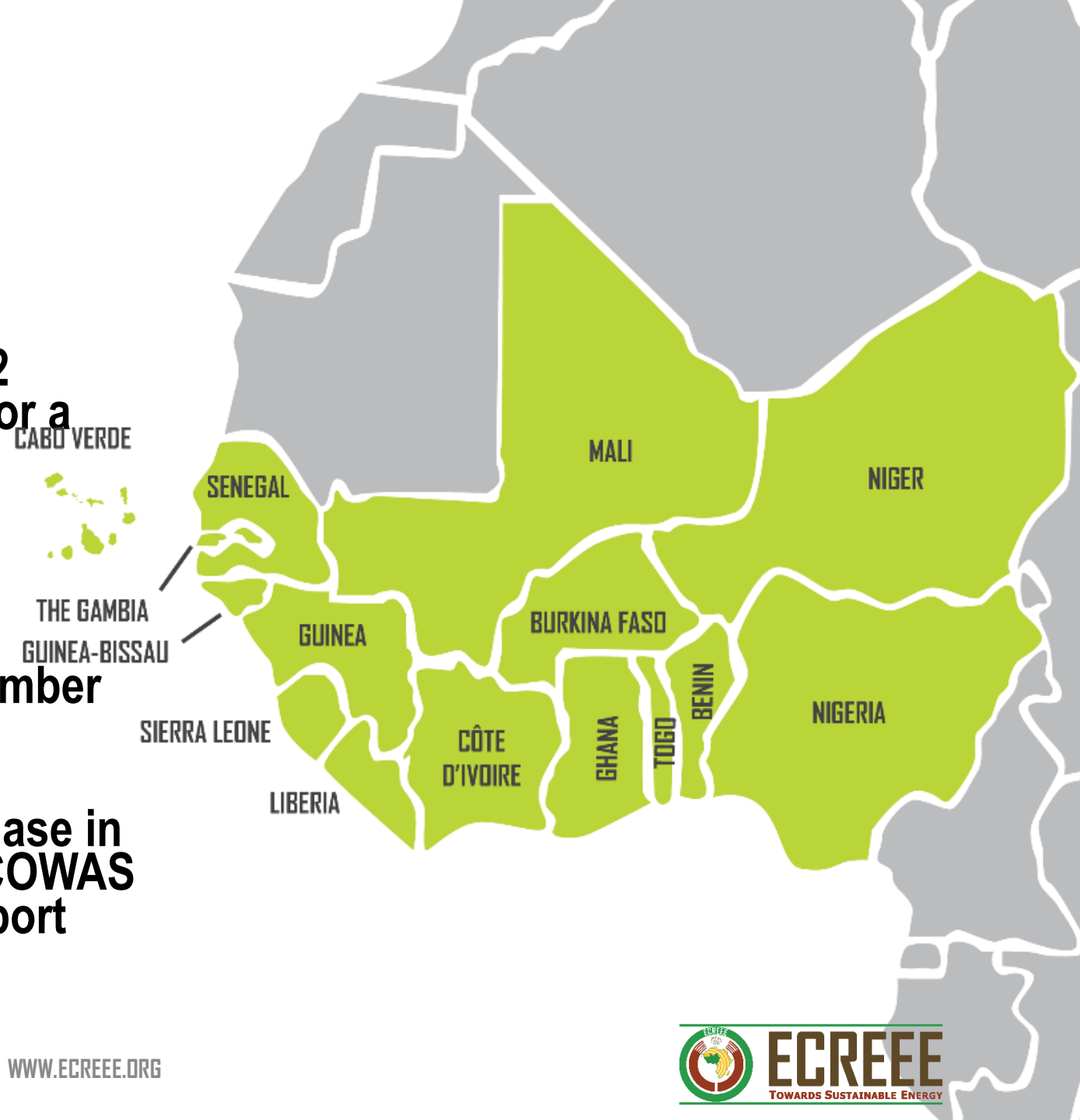
Introduction: THE ECOWAS REGION

- 15 countries with a land area of 5 million m²
- Climate from semi-arid to humid tropical
- Population of with 300 million people
- 60% of population lives in rural areas
- 11 of the 15 countries are LDCS and HIPIC
- >90% depend on traditional biomass
- Almost 176 million people have no access to electricity (52%)

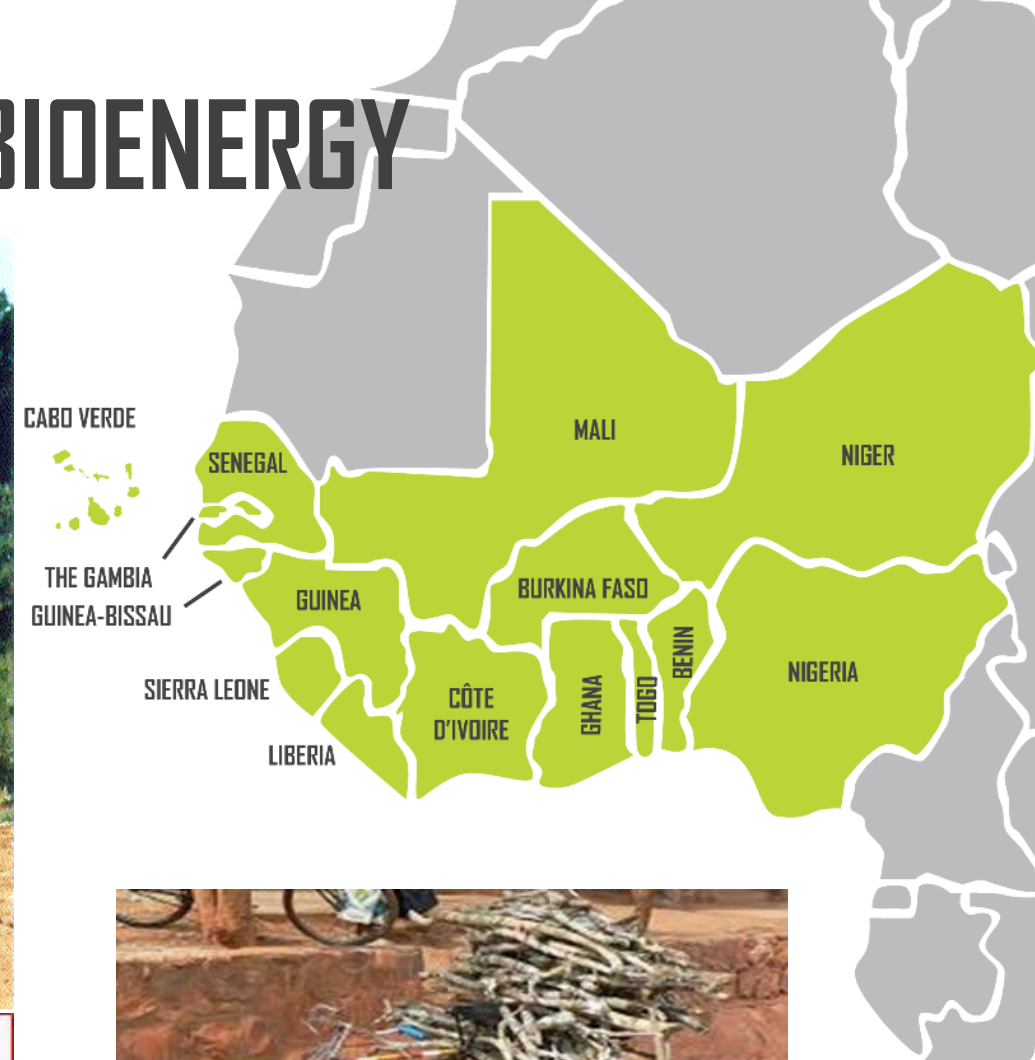


FOUNDATION of ECREEE

- The Ouagadougou Declaration from 12 November 2007 highlighted the need for a regional RE&EE Centre
- Foundation laid by Regulation C/REG.23/11/08 of the 61st Session of ECOWAS Council of Ministers in Ouagadougou, Burkina Faso, on November 23, 2008
- Launch of the ECREEE preparatory phase in November 2009 with support of the ECOWAS Commission in collaboration and support from the core donors:



CHALLENGES & POTENTIALS FOR BIOENERGY



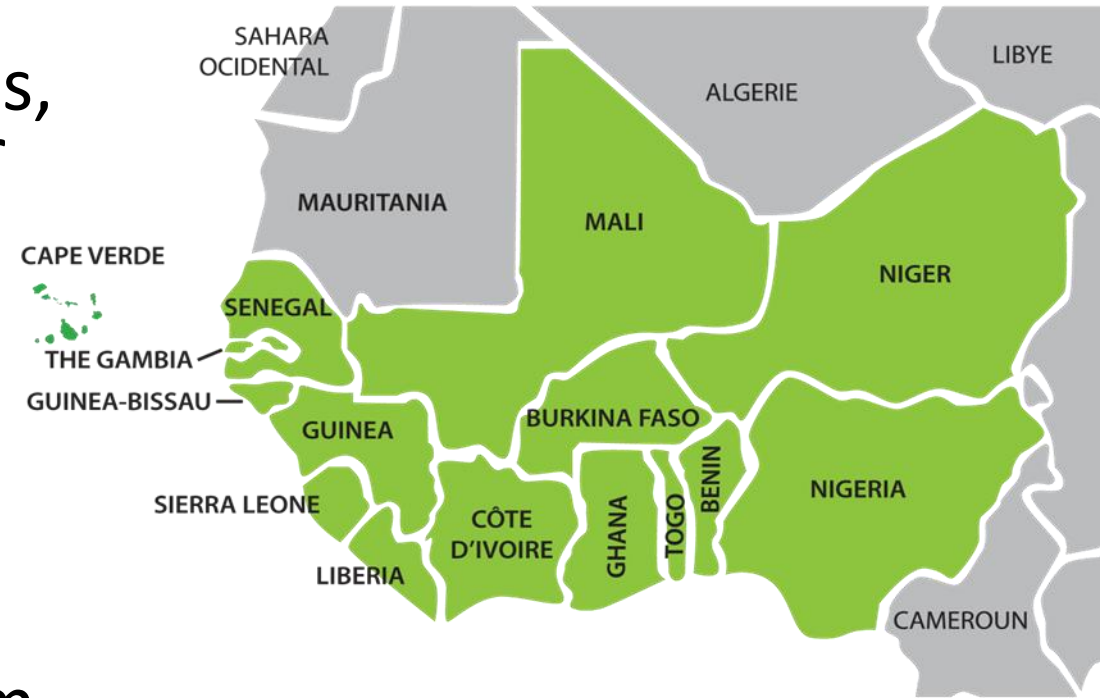
CHALLENGES OF BIOENERGY INDUSTRY

- widespread and unsustainable harvesting & utilization of traditional biomass
- almost 80% of the total energy consumption comes from the traditional biomass.
- In addition, over 90% of the population uses wood and charcoal for domestic cooking.



BIOENERGY RESOURCE POTENTIALS

- Huge potential for all forms of bioenergy (e.g. Sustainable biomass, biogas, biofuel, waste-to-energy for electricity, briquettes)
- Agro-industrial waste and by-products. Most of which is burnt in the open.
- Animal/human waste used directly on the farms: more often
- Municipal solid wastes & slurry from abattoirs



BIOENERGY RESOURCE POTENTIALS

Biocrops as fuel substitution
& export of excess



Sustainable forest m'gt
(agro-forestry,



Waste to energy (Sewage,
MSW, Slurry)



Biogas and Briquettes from
agro-industrial wastes



ECOWAS BIOENERGY INTERVENTIONS



ECOWAS BIOENERGY STRATEGY

1. ECOWAS BIOENERGY POLICY DEVELOPMENT

- ❖ ECOWAS Bioenergy Strategy Framework- formulated and validated at a regional workshop in Bamako, Mali in March 2012
- ❖ The Bioenergy Strategy framework adopted at the HLF on Sustainable Energy in Accra, Ghana - Oct. 2012, by the ECOWAS Ministers of Energy for the 15 MS
- ❖ ECOWAS Bioenergy Policy Document (Dakar, Sept.-Oct, 2015)

ECOWAS BIOENERGY STRATEGY cont.

2. THE WEST AFRICA CLEAN COOKING ALLIANCE (WACCA)

❖ Initiated by ECREEE and Partners at the HLF on Sustainable Energy in Accra, Ghana in October 2012

Aim:

- To disseminate clean, efficient and affordable cooking fuels and devices to all ECOWAS citizens by 2030 (**Devices**- clean cookstoves, **Fuels**- woodfuels, charcoal, briquettes, LPG, bioethanol etc.)
- Regional workshop to formulate and validate Regional Action Framework held in Ouagadougou in April, 2013
- National workshops for Clean cooking Action framework held for the Gambia and Cote d'Ivoire in 2014
- Ongoing 2015 activities well planned to promote objective of the WACCA initiative

ECOWAS BIOENERGY STRATEGY cont.

3. THE REDD+ PROGRAM

❖ ECREEE initiated the REDD+ programme in 2013 supported by the Austrian Ministry of Forestry, Environment and Water Management.

Aim:

- Effective and efficient management of the forest resources through participatory forest management by the local people;
- Providing opportunity to the rural people to harvest and trade their biomass in a sustainable and efficient manner
- Provide sustainable and efficient management tools for the supply of woody resources; and
- Ensuring the forests are protected to promote regeneration and the ecosystem remains preserved.

CONCLUSION

These strategies have led to:

- ☐ **The Bioenergy policy which is now on the table for validation**
- ☐ **WACCA regional Action Plan document to be reviewed and validated tomorrow**
- ☐ **Forest resources assessment report to be considered on Friday**

All to give off their best for us to have these documents validated to promote sustainable bioenergy in the region.

Thank You! Merci! Obrigado!

