

ENERGY EFFICIENCY IN THE ECOWAS REGION

CONTENT OF THE PRESENTATION

1. Executive Overview of the Energy situation in the ECOWAS Energy Scenario
2. ECREEE Energy Efficiency Activities
3. Challenges, Opportunities and Future Prospects
4. Conclusion

1. OVERVIEW OF THE ENERGY SITUATION

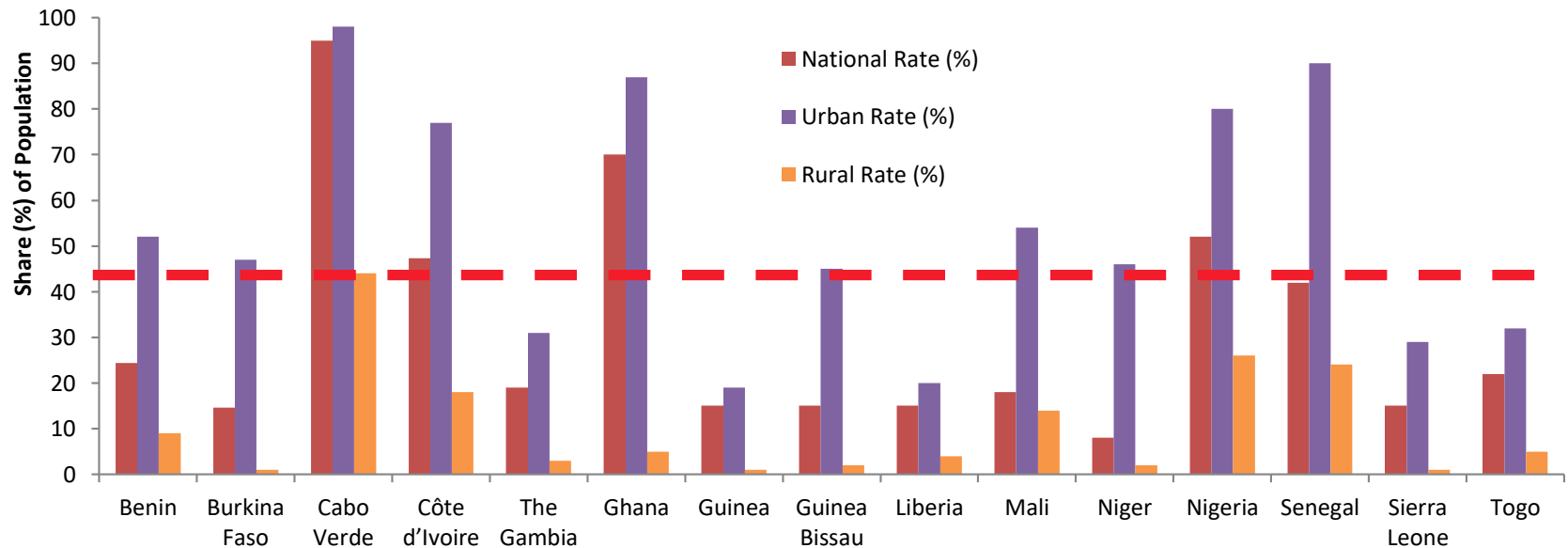
- **Area:** 5,115,000 km²
- **Population:** 339 million (2014)
- **GDP/capita:** US\$ 2,122 (2014)
- **Electricity production:** 59 TWh **32% from renewables**
- **Installed capacity:** 16.1 GW of which **4,5 GW are RE** (i.e. 28%)
- **Access to electricity:** ~ 42%
- **Access to modern energy for cooking:** ~ 25%



1.2. Energy Access

- 42% of the total ECOWAS population have access to electricity
- 40% in urban areas
- only 8% of the rural population have access

Electricity Access Rates in ECOWAS Member States



Source: ECREEE, REN21

More than 175 million people without access to electricity services

2.1. RE and EE Policies

- **Adopted by the ECOWAS Authority of Heads of State and Government in 2013 and 2017**
- **ECREEE is coordinating the implementation of the regional Policies**
- **ECREEE is the SE4ALL Focal Institution for ECOWAS**
- **Sustainable Energy Country Action Plans developed across the 15 Member States**
- **Gender Mainstreaming in Energy Policy**
- **Development of Investment Prospectuses ongoing**
- **Development of National Energy Efficiency Action Plan for each country**

High Performance Distribution of Electricity

1. High Performance Distribution of Electricity:

- Diagnostic studies to determine losses and key mitigation actions
- Improvement of management practices and technical measures in the power system
- Information Provision and Awareness Raising and capacity building
- Promotion of Efficient Electricity Generation Technologies



Energy Efficiency in Buildings

1. Objectives:

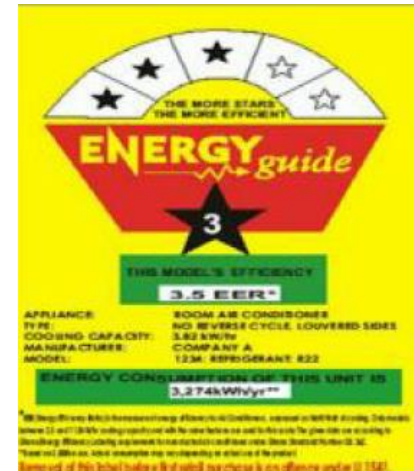
- Development of regional directive (Calculation tools, MEPS, certification, etc.)
- Model designs for energy efficiency in small buildings and EE in public buildings & publicly accessible buildings
- Promotion of EE and the use of local material in energy efficient buildings
- Awareness raising and Capacity building on energy efficiency in buildings



2.6. Standards and Labeling

1. Standards and Labeling:

- Market assessment of key energy-using appliances and assessment of costs & benefits
- Development of Minimum Energy Performance Standards, labeling and certification
- Implementation of Minimum Energy Performance Standards, labeling and certification
- Capacity Building and Awareness Raising on the benefits of S&L&C.



3. Challenges - Opportunities and Future Prospects

Energy Efficiency Targets by 2020-2030

The overall objective of the Regional EE policy is to improve by 2020, the energy efficiency of the ECOWAS region so as to attain levels comparable to those of world leaders

The specific target of the regional policy is to double the rate of energy efficiency by implementing efficiency measures that free-up 2000 MW of power generation capacity by 2020

- **lighting:** phase out inefficient light bulbs by 2020;
- **electricity distribution:** reduce electricity distribution losses from the current level of 15 - 40% to under 10% by 2020;
- **cooking:** achieve universal access to safe, clean, affordable, efficient and sustainable cooking for the entire population of ECOWAS, by 2030;
- **standards and labels:** establish an ECOWAS Technical Committee for Energy Efficiency Standards and Labelling, and adopt initial region-wide standards and labels for major energy equipment by end 2020;
- **Buildings:** develop and adopt region-wide efficiency standards for buildings by 2020

THANK YOU

Q & A