

# Regional perspectives on NDC and transparency implementation in energy in West Africa

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# THE ECOWAS REGION

- 15 countries with a land area of 5 million m<sup>2</sup>
- Climate from semi-arid to humid tropical
- Population of with 347 million people
- 60% of population live in rural areas
- 11 of the 15 countries are LDCS and HIPIC
- Almost 180 million people have no access to electricity (52%)

CABO VERDE



THE GAMBIA  
GUINEA-BISSAU

SIERRA LEONE

LIBERIA

SENEGAL

GUINEA

CÔTE  
D'IVOIRE

GHANA

TOGO

BENIN

BURKINA FASO

MALI

NIGER

NIGERIA

# FOCUS OF COUNTRY NDCs FROM WEST AFRICA

## Primary focus of NDCs from West Africa Countries (Mitigation and Adaptation projects)

- **Provision of Renewable Energy (RE) and Energy Efficiency (EE)**

- ✓ Solar PV projects mainly off-grid projects (mini/micro-grid)
- ✓ Small hydro projects
- ✓ Biomass energy and energy from recycling of waste (waste to energy) and Clean cooking projects (clean household and institutional cookstoves)

- **Agriculture, Forestry and Other Land Uses (AFOLU)**

- ✓ Agriculture and water use (Climate smart technologies)
- ✓ Forests and change in land use (sustainable management of forests)
- ✓ Animal husbandry

- **Others**

- ✓ Health
- ✓ Transportation
- ✓ Housing and Urban development

# EFFORTS AT NDCs/LEDS IMPLEMENTATION IN WEST AFRICA

## Regional and National efforts to implement NDCs in West Africa

### Regional: NDC Leadership Compact

- ✓ ECREEE-NREL (CESC) activity to support lead countries with TA for NDC policies (Ghana, Sierra Leone and Benin)
- ✓ ECREEE leading alliance for off-grid RE electricity production in the West African region
- ✓ MRV systems CB for some MS i.e. S. Leone and Liberia
- ✓ EREP, EEEP and EBEP
- ✓ NREAPs, NEEAPs and SE4ALL National Agendas

### National: Country specific efforts

- ✓ Climate change policy and strategy development (Ghana, Nigeria, Cote D'Ivoire, Senegal)
- ✓ National climate fund to enhance NDC implementation-Ghana
- ✓ Rolling out Green Bonds to raise money for NDC implementation-Nigeria
- ✓ Policies and strategies to support CB, and integration of LEDS into national projects – Cote D'Ivoire
- ✓ National Climate Change Committee (NCCC) – Ghana, Cote D'Ivoire, Senegal

# STATUS OF NDC IMPLEMENTATION

❖ No evidence of any particular country that has started full-scale implementation of projects indicated in NDCs

However: Two Countries in the region have submitted BURs

1. **Ghana** submitted her first BUR in 2015 based on Monitoring and Evaluation of implementation of national development policies and programmes (National GHGs Inventory Report )
  - National Dev't Planning Commission, 10 yrs. Dev't plan, Sub-national policy directives etc.
2. **Togo** submitted her first BUR on 27<sup>th</sup> Sept 2017 detailing GHGs emission and developments for mitigation

Energy front NDCs are mainly solar PV projects as shown below:

# Current Status of Solar PV Development in West Africa I

1.

## Grid connected Solar PV

- The total grid-connected solar PV capacity in West Africa stands at only approx. 33 MW incl.
  - 20 MW BXC project in Ghana, which is currently the biggest in West Africa
  - Distributed generation in Cabo Verde, Gambia, Ghana and Senegal
- But: Many new projects incl. larger projects are in the pipeline, some of which are initiated by governments (IPP tenders)

# Current Status of Solar PV Development in West Africa II

2.

## Off-grid solar PV

- Stand-alone systems for lighting and electricity supply installed at thousands of private houses, SMEs and public institutions, mainly in rural areas across the region
- Specific applications include water pumping for drinking water supply and irrigation as well as street lighting
- > 200 hybrid mini-grids (mainly diesel/PV) as well as pure solar PV mini-grids in operation in Mali, Senegal and other ECOWAS countries

# THANK YOU VERY MUCH! MERCI BEAUCOUP! MUITO OBRIGADO!

