



SEAD | Super-efficient Equipment and Appliance Deployment



# Institutional & Framework Assessment for ECOWAS Appliance S&L Program

## Process for Institutional Assessment

Presented by

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Vice President Africa, Econoler  
(Canada)





# Outline of Presentation

- “ Presentation of Econoler
- “ Project Background
- “ Project Name, Objectives and Methodology
- “ Presentation of Project Team
- “ International and National Institutions
- “ Project Deliverables
- “ Expected Results



## Who Are We?

**Econoler** is a world-renowned Canadian consulting firm specialized in:

- ” Energy Efficiency (EE)
- ” Renewable Energy (RE)
- ” Energy Performance Contracting (through ESCOs)
- ” Clean Energy Financing
- ” Program Evaluation
- ” Carbon Finance
- ” Climate Change Mitigation and Adaptation

***More than 30 years of experience with 3,000 projects in more than 120 countries!***





# Project Background

- “ ECOWAS faces big challenges to meet increasing energy demand in Western Africa (300 million inhabitants in 15 countries).
- “ Lack of installed capacity and close to 25% of installations not functioning result in frequent power outages (days/year: Benin 56; Niger 31 ; Senegal 26).
- “ As electricity rates increase, demand must be controlled.

**Slide 4**

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**MCH2**

J'ai des graphiques sur la consommation

Marie-Claude Hamelin; 10/04/2013



## Project Background

- “ ECOWAS Ministers of Energy adopted the ECOWAS Energy Efficiency Policy (EEEP) during the High Level Energy Forum of Accra, Ghana (October 2012).
- “ EE standards and labels (S&L) for appliances and energy equipment are powerful tools to attain the targets of the EEEP.
- “ The Standards and Labels Technical Committee (SLTC) was formed, as was recommended at the regional meeting in Accra.



# Project Background

- “ The Super-efficient Equipment and Appliance Deployment (SEAD) Initiative is a voluntary multinational collaboration that provides access to the resources and technical expertise needed to develop and implement cost-effective product efficiency policies and programs.
- “ SEAD is funded by the US Department of Energy; CLASP serves as the Initiative’s Operating Agent; and Lawrence Berkley National Laboratory provides technical support.
- “ SEAD support to ECOWAS S&L Initiative
  - . S&L resource summaries
  - . Estimates of energy savings potential
  - . Institutional assessment



# Project Name and Objectives

**Project Name:** Institutional and Legal Framework Assessment for ECOWAS Appliance S&L Program

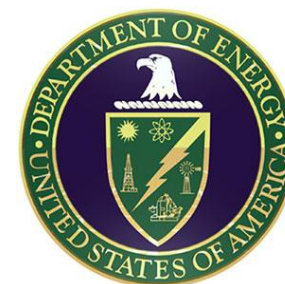
**Launch Date:** April 2013

## Main Objectives:

- “ Assess national and regional institutional capacity and legal frameworks within ECOWAS
- “ Analyze opportunities and challenges for implementation of regional S&L policies
- “ Inform the implementation strategy and work plans for the S&L initiative

## Project Management:

- “ CLASP
- “ ECREEE
- “ US Department of Energy







**Capacity-Building  
Programme for the  
Removal of Barriers to the  
Cost-Effective  
Development and  
Implementation of Energy  
Efficiency Standards and  
Labelling in EU Candidate  
Countries**

**S&L-EUCC**

**Data Collection Issues**

A Consortium of:



In Association with:





# Methodology (1)

1. Establish a preliminary list of institutions in policy-making, EE promotion, standards development and enforcement, as well as relevant S&L and EE policies and regulations:

- . Based on Econoler's previous work in UEMOA and local experts' knowledge



## Methodology (2)

2. Analyze the financial, technical and material resources of agencies, governments and other stakeholders with respect to roles and responsibilities in S&L program implementation.

3. Assess relationships among institutions where S&L are in place, and suggest a framework for cooperation where S&L do not exist.

Steps 2 & 3 will be carried out based on local experts' knowledge and using in-person and phone interviews with key institutions



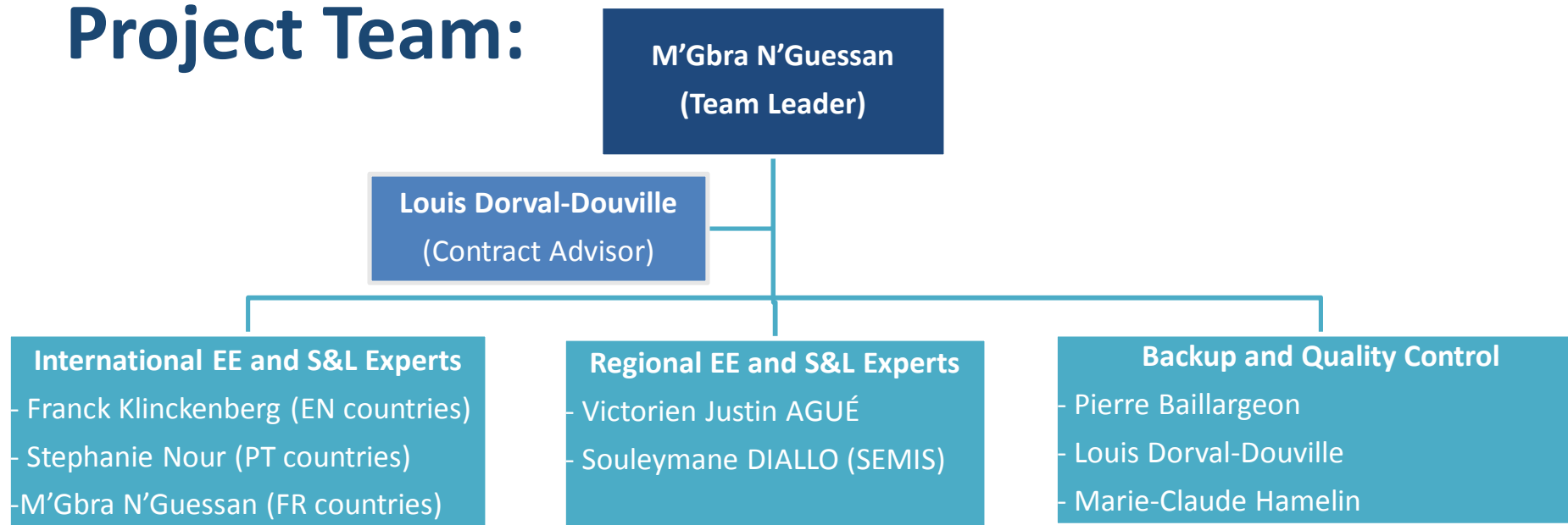
## Methodology (3)

To facilitate and guide local experts' work, Econoler has developed:

- . A form for institution and policy listing, including Econoler's preliminary list and institution categories to be investigated
- . An extensive form for information collection in interviews with key institutions: country profile, important data for each type of institution and policy, suggested analysis questions.



# Project Team:



## National Experts in each ECOWAS Country

1- Benin	Bankolé DOHOU (ABENOR)	5- Ghana	Ishmael EDJEKUMHENE (KITE)	11- Nigeria	Etiosa UYIGUE
2- Burkina Faso	Jean-Paul KARAMA (FASONORM)	6- Guinea	Mamady KAKORO	12- Niger	Boubacar ISSA
3- Cape Verde	Antunio BARBOSA (University of Cape Verde)	7- Guinea Bissau	Bocar Sada SY (SEMIS)	13- Sierra Leone	Mohammed KAMARA (RE Centre)
3- Côte d'Ivoire	Constant BOKA (CODINORM)	8- Mali	Souleymane BERTHE	14- Senegal	Barama SARR (ISN)
4- Gambia	Bocar Sada SY (SEMIS)	10- Liberia	Bocar Sada SY (SEMIS)	15- Togo	Luciano FEOU



# Regional and International Institutions Involved in EE Promotion

	Governmental Bodies	Technical Agencies	Financial Organizations	
<b>ECOWAS</b>	Energy Ministers Conference, DOE	ECREEE ERERA	EBID	
<b>UEMOA</b>	UEMOA Energy Ministers Conference		BOAD	
<b>West African Quality Program</b>		SOAMET, SOAC, NORMCERQ		
	Governmental Ministries	Governmental Agencies	Financial Organisations	NGOs
<b>France</b>		ADEME	AFD	
<b>Germany</b>		GIZ	KfW	
<b>USA</b>	DOE		USAID	CLASP
<b>International</b>				UNDP UNEP



# National Institutions (1)

	Government Ministries	EE Agencies	Standard Bodies	Energy Regulation Authorities
<b>Gambia</b>	Dep. of State for Petroleum, Energy and Mineral Resources			Public Utilities Regulatory Authority (PURA)
<b>Ghana</b>	Ministry of Energy	CSIR-Institute of Industrial Research	Ghana Standards Authority (GSA)	Energy Commission of Ghana Public Utilities Regulatory Commission (PURC)
<b>Liberia</b>	Ministry of Lands, Mines and Energy	Centre for Sustainable Energy Technology		
<b>Nigeria</b>	Federal Ministry of Energy	National Centre for Energy Efficiency and Conservation (NCEEC) Energy Commission of Nigeria (ECN)	Standard Organization of Nigeria (SON)	Nigerian Electricity Regulatory Commission (NERC)
<b>Sierra Leone</b>	Ministry of Energy and Power			National Power Authority (NPA)



## National Institutions (2)

	Government Ministries	EE Agencies	Standards Bodies	Testing Laboratories	Energy Regulation Authority
<b>Benin</b>	Min. de l'Énergie et de l'eau	ABERME	ABENOR		
<b>Burkina Faso</b>	Min. de l'Énergie Min. du Commerce Dir. de l'Énergie	Conseil Nat. Gest. Énergie IRSAT	FASONORM	LNBTB	Commission de régulation des prix de l'électricité
<b>Côte d'Ivoire</b>	Min. des Mines, du Pétrole et de l'Énergie Min. de l'Env. et du DD; Min. Urbanisme	Bureau des Économies d'Énergie	CODINORM	LANEMA LBTP	ANARE
<b>Guinea</b>	Min. de l'Énergie et de l'Hydraulique				
<b>Mali</b>	Min. de l'Énergie, des Mines et de l'Eau	AMADER		Laboratoire d'étalonnage public	CREE





## National Institutions (3)

	Government Ministries	Energy Efficiency Agencies	National Standards Bodies	Testing Laboratories	Energy Regulation Authority
<b>Niger</b>	Ministry of Mining and Energy	CNEDD		CNES Lab EMIG Lab	Autorité de Régulation Multisectorielle
<b>Senegal</b>	Ministry of Energy		ASN	ACIAS Institution publique de métrologie	CRSE
<b>Togo</b>	Ministry of Mines, Energy and Hydraulic Resources		ANVCN INS	Mech. Eng. Lab DQM Lab	ARSE
<b>Cape Verde</b>	Ministry of Energy				
<b>Guinea-Bissau</b>	Ministry of Trade, Energy and Environment General Directorate of Energy			INTA Lab	

**Slide 16**

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**MCH5**

Je n'ai pas mis les organismes internationaux car les programmes n'étaient pas inclus dans la liste du CLASP.

Marie-Claude Hamelin; 10/04/2013



# Project Deliverables

- “ **April 22<sup>nd</sup>: Workshop in Burkina Faso** to present the methodology and preliminary information collected (April 22, 2013)
- “ **June 14<sup>th</sup>: Interim Report** summarizing S&L policies and energy regulatory frameworks
- “ **August 2<sup>nd</sup>: Draft Final Report** including a summary of institutional capacity and relationships between stakeholders in the promotion of appliance energy efficiency
- “ **September 20<sup>th</sup>: Final Report** as per CLASP, ECREEE and SLTC members’ comments



## Expected Results

- “ The report will be delivered to ECREEE and SLTC members so that:
- . Bases are laid for ECOWAS high priority action: initial S&L for efficient lighting is implemented by the end of 2013.
  - . Regulatory and legislative barriers are identified at national and regional levels.
  - . Opportunities for improving the capacities and resources of regional and national institutions are clearly defined.
  - . Synergy between regional and national bodies in charge of S&L and EE is enhanced.



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# Questions?

Contact:

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