**United Nations Environment Programme**
**en.lighten initiative**

# Development of a Regional Efficient Lighting Strategy in ECOWAS

*Olola Vieyra*
*UNEP Consultant & ECOWAS Coordinator*

*{Ouagadougou, Burkina Faso}*
*{22 April 2013}*

# OVERVIEW

1. CONTEXT and PURPOSE

2. WHY ?

3. APPROACH & METHODOLOGY
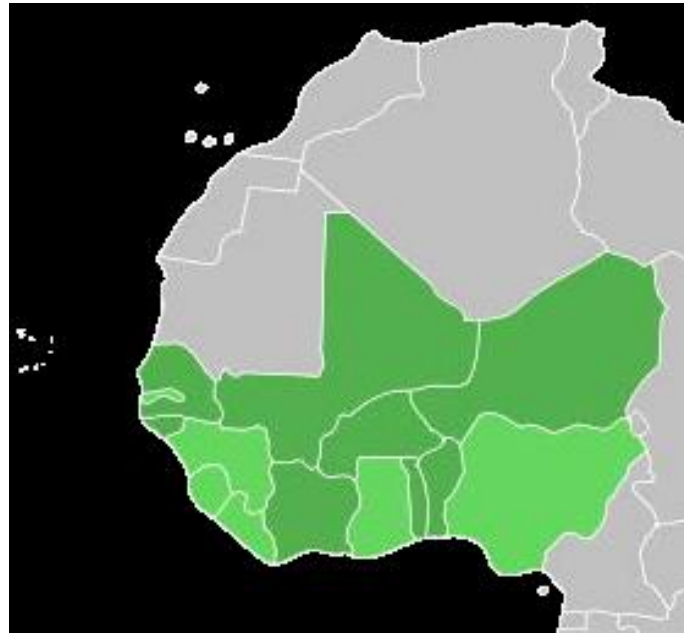
4. PLANNING

6. ROLES & RESPONSIBILITIES

8. STAKEHOLDER ENGAGEMENT

## Economic Community of
## West African States (ECOWAS)
### *ECREEE is the Partner Contact

15 members: Benin, Burkina Faso, Cabo Verde, Cote d'Ivoire, Gambia, Ghana, Guinee, Guinee Bisau, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Togolese Republic
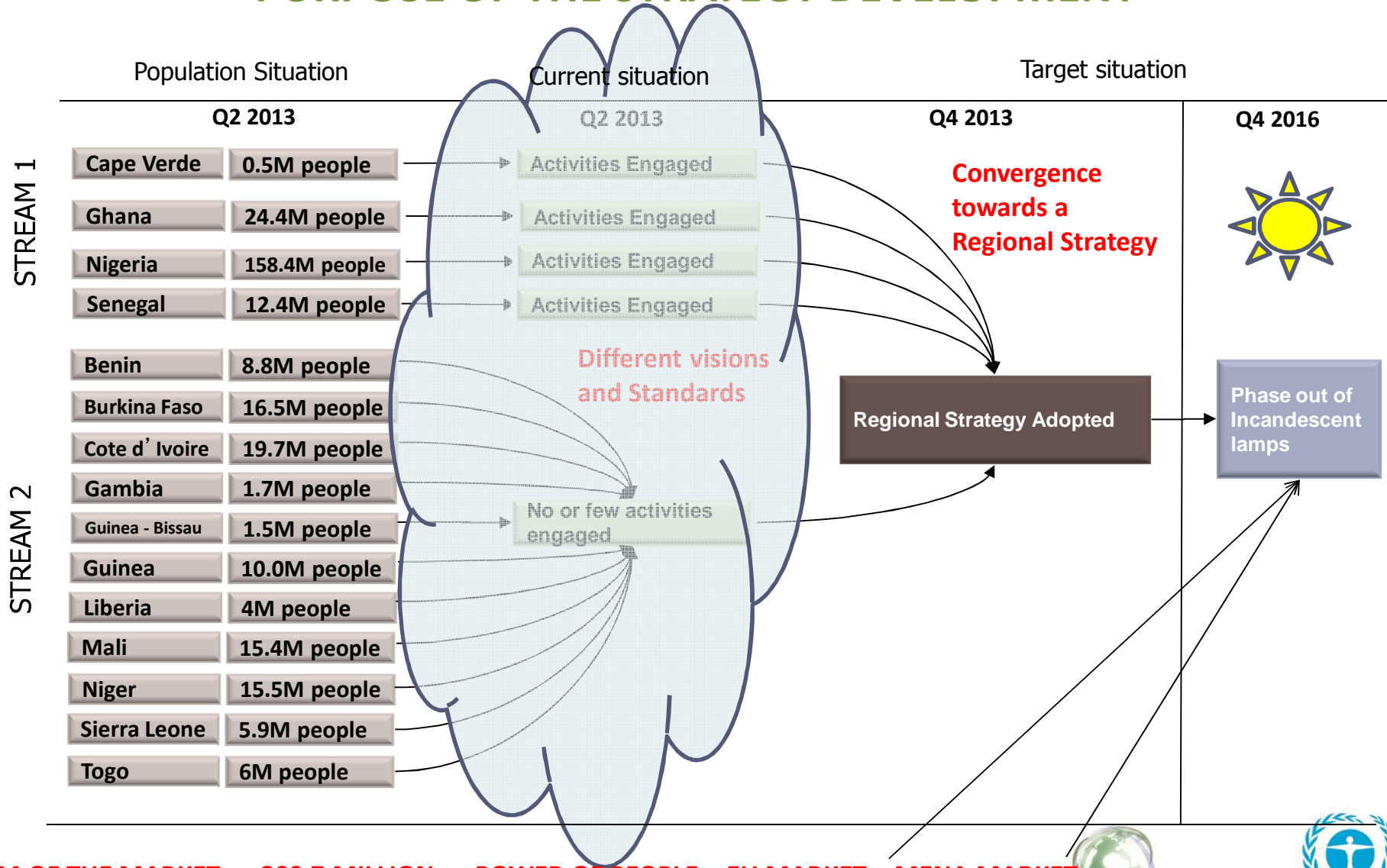
# PURPOSE OF THE STRATEGY DEVELOPMENT

**The objective is that ECOWAS initiates the phase out of inefficient incandescent lamps by 2016**

# PURPOSE OF THE STRATEGY DEVELOPMENT

| | Population Situation | | Current situation | Target situation | |
|---|---|---|---|---|---|
| | **Q2 2013** | | Q2 2013 | **Q4 2013** | **Q4 2016** |

**STREAM 1**

| | |
|---|---|
| Cape Verde | 0.5M people |
| Ghana | 24.4M people |
| Nigeria | 158.4M people |
| Senegal | 12.4M people |

Activities Engaged
Activities Engaged
Activities Engaged
Activities Engaged

**STREAM 2**

| | |
|---|---|
| Benin | 8.8M people |
| Burkina Faso | 16.5M people |
| Cote d' Ivoire | 19.7M people |
| Gambia | 1.7M people |
| Guinea - Bissau | 1.5M people |
| Guinea | 10.0M people |
| Liberia | 4M people |
| Mali | 15.4M people |
| Niger | 15.5M people |
| Sierra Leone | 5.9M people |
| Togo | 6M people |

*Different visions and Standards*

No or few activities engaged

**Convergence towards a Regional Strategy**

**Regional Strategy Adopted**

**Phase out of Incandescent lamps**

**SUM OF THE MARKET = 300.7 MILLION = POWER OF PEOPLE + EU MARKET + MENA MARKET ....**

en.lighten   UNEP

# REGIONAL STRATEGY – WHY?

″ The ECOWAS Project is:

″ A Regional En.lighten Pilot project
″ The first step to build a solution shared by all countries

ECOWAS Pilot Project for :

➔

- A Common Market
- Common trading Rules (agreements)
- Leveraging on economies of scales
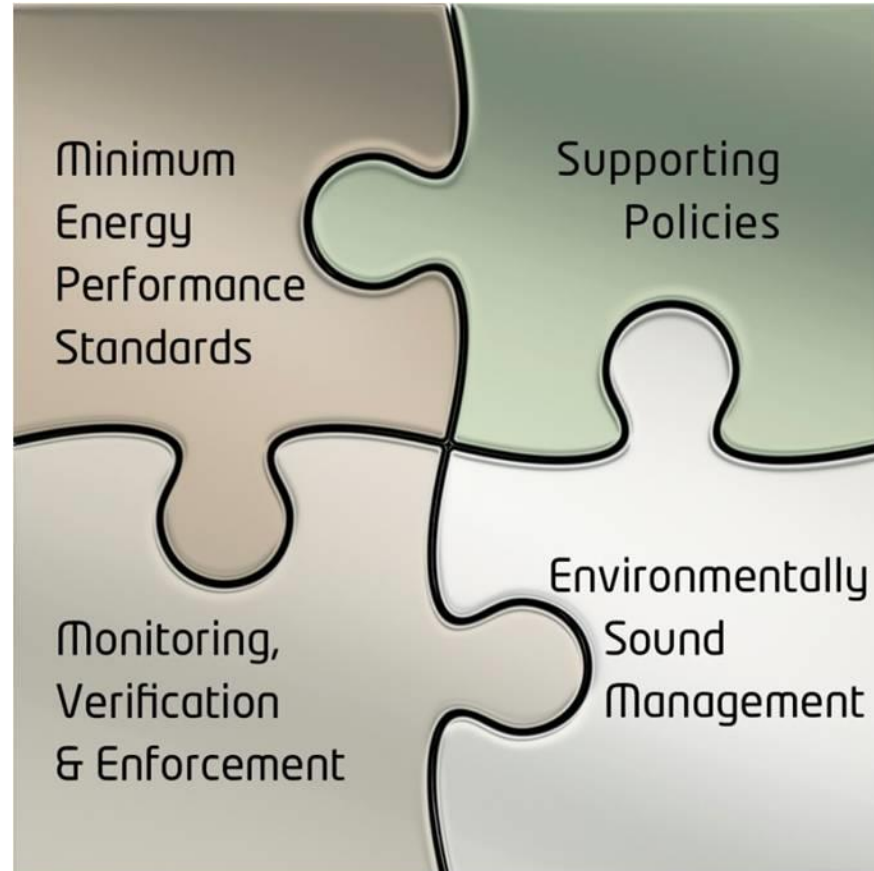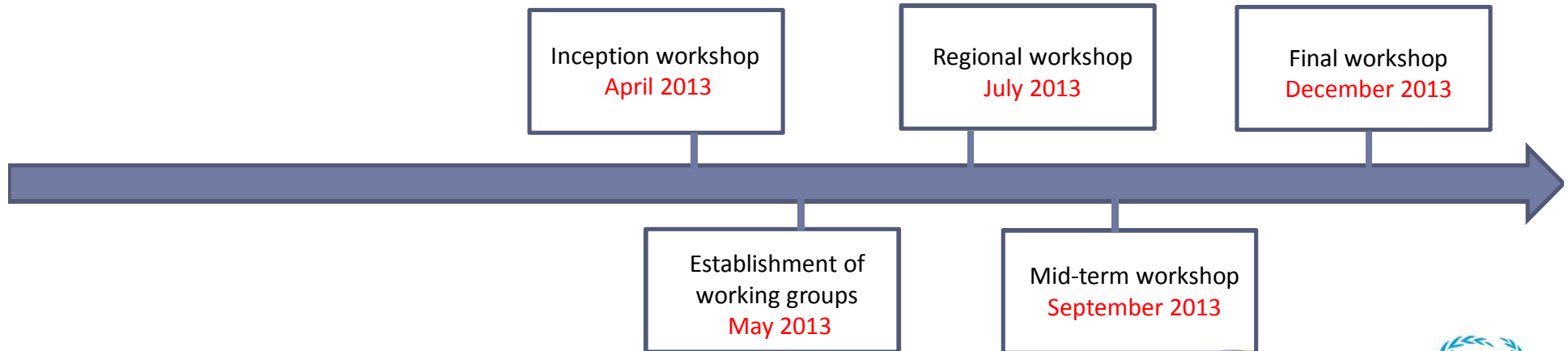- Sharing of Best practices among states

# REGIONAL STRATEGY – WHAT ?

**ECOWAS Pilot Project**

**REGIONAL SOLUTION**

- *Define an harmonized solution driven by the countries*
- *Define clear Standards*
- *Identify area for improvement*

**PREPARE NEXT STEPS**

- *Refine the current national strategies and solutions and minimize specific approaches*
- *Ensure future readiness and build national action plans*

**COMMUNICATE AND PREPARE CHANGE**

- *Improve communication and provide a global visibility on the project*
- *Build efficient Institution to go with future National Implementation*
- *Anticipate Changes*

en.lighten    UNEP

# METHODOLOGY - HOW TO ACHIEVE THIS ?

**Using the En.lighten Integrated Approach**



Minimum Energy Performance Standards

Supporting Policies

Monitoring, Verification & Enforcement

Environmentally Sound Management

en.lighten   UNEP

# WHAT ARE THE STEPS TO FOLLOW ?

| Preliminary activities and arrangements | Background research & qualitative and quantitative data analysis | Adoption of a work plan for the development of a regional strategy | Regional grid and off-grid efficient lighting strategy development | Strategy finalization and adoption |

Inception workshop
April 2013

Regional workshop
July 2013

Final workshop
December 2013

Establishment of working groups
May 2013

Mid-term workshop
September 2013

en.lighten

UNEP

# PROGRAMME OF WORK

˝ **Energy efficiency policies and tools**

˝ Develop technology-neutral mandatory Minimum Energy Performance Standards (MEPS) and labels for non-directional household lamps harmonized across all ECOWAS countries;

˝ Develop complementary policies and mechanisms to support MEPS (for example, distribution programs, fiscal incentives, on-bill financing etc.) and promote efficient off- grid lighting products.

# PROGRAMME OF WORK

˝ **Capacity building**

  ˝ Establish a robust and harmonized monitoring, verification and enforcement system and lighting test laboratories capable of ensuring enforcement and compliance with MEPS and the quality of off-grid lighting products;

  ˝ Establish an environmentally sound management system for recycling and disposal of spent lamps.

# PROGRAMME OF WORK

″ **Awareness raising**

   ″ Conduct educational campaign on benefits of energy saving lighting products and the importance of recycling spent lamps.

″ **Financing**

   ″ Carbon and donor financing will be mobilised to reduce the cost of improved lamps for users.

# ROLES & RESPONSIBILTIES - Thematic Working groups

| | Themes | Participants |
|---|---|---|
| **TODAY** | **Minimum Energy Performance Standards** | **Suggested:** Ministers of Energy; Standardization agencies; rural electrification agencies |
| **LATER STAGE** | **Supporting Policies** | **Suggested:** Ministers of Energy; utilities; Ministry of finance; rural electrification agencies |
| **LATER STAGE** | **Monitoring, Verification and Enforcement** | **Suggested:** Testing laboratories; Customs controls; Ministry of Industry; Ministry of Trade; rural electrification agencies |
| **LATER STAGE** | **Environnementally Sound Management** | **Suggested**: Ministers of Environment; Ministers of Health; Waste management agencies |

en.lighten    UNEP

# ROLES & RESPONSIBILTIES – Political Facilitator

˝ **ECREEE**

˝ Advocate for the regional implementation of the project and political facilitation of the process;

˝ Manage the funds that UNEP will provide for the development of activities and organization of the workshops, following the work program, budget and schedule agreed upon;

˝ Provide advice and guidance to ensure a high level of political commitment from the ECOWAS countries.

# ROLES & RESPONSIBILTIES – Technical support

˝ **UNEP**

˝ Oversee the proper coordination and management of the project;

˝ Provide expertise and strategic advice to encourage a high level of commitment from the stakeholders;

˝ Assist ECREEE in facilitating the  workshops;

˝ Provide funds for the development of activities and organization of workshops, following the work program, budget and schedule agreed upon.

˝ Identification of potential regional or bilateral cooperation opportunities.

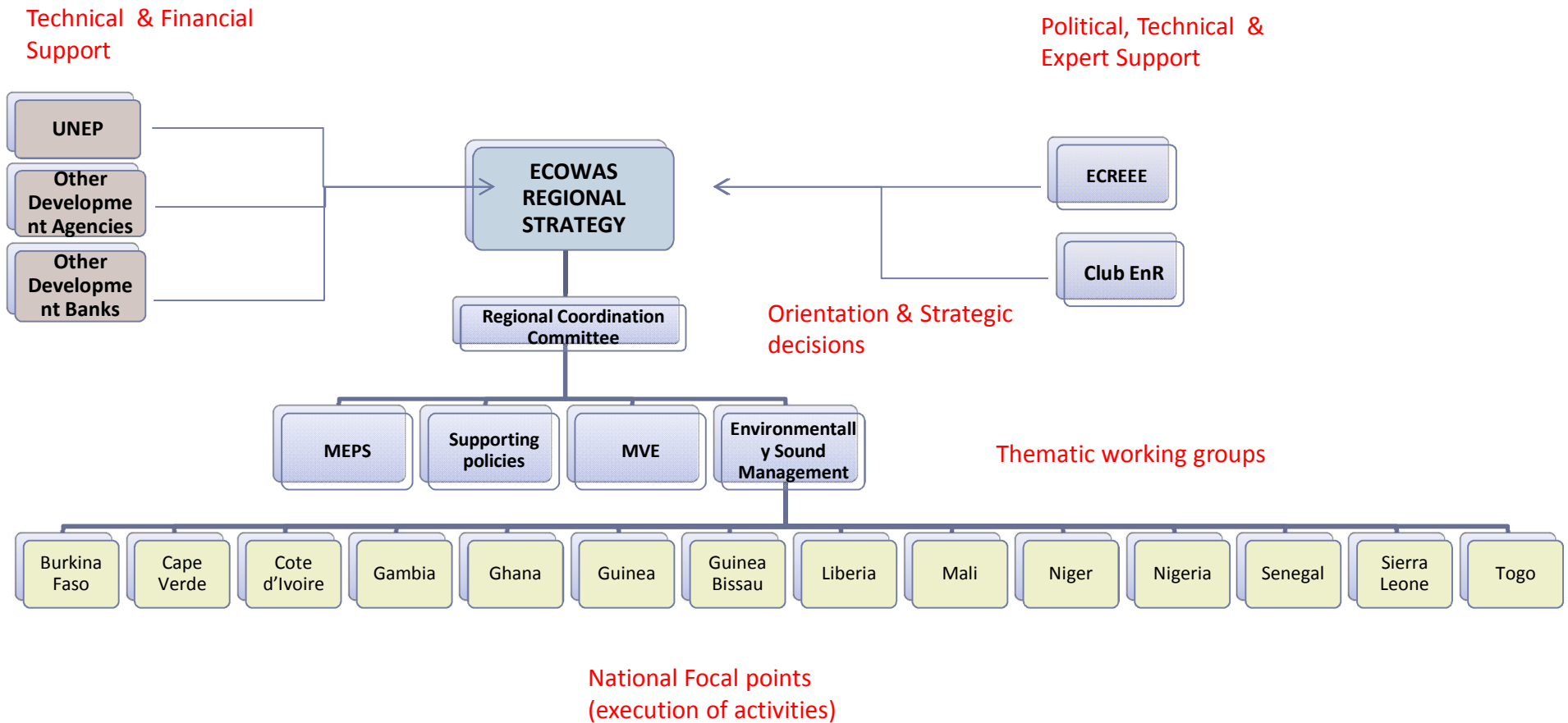˝ Identification of potential national public-private partnership initiatives.

# ROLES & RESPONSIBILTIES – Technical support

˝ **UNEP TEAM**

˝ En.Ligthen Project Manager :                      Gustavo Manez;

˝ Technical Expert on Standards and Labelling:      Kathryn Conway;

˝ Liaison to Africa, Middle East  countries :       Marie Leroy;

˝ ECOWAS Pilot Project Coordinator :               Olola Vieyra;

˝ Field-based Expert on Efficient Lighting :        Ben Hagen;

˝ Expert on Efficient off-grid Lighting:            Evan Mills;

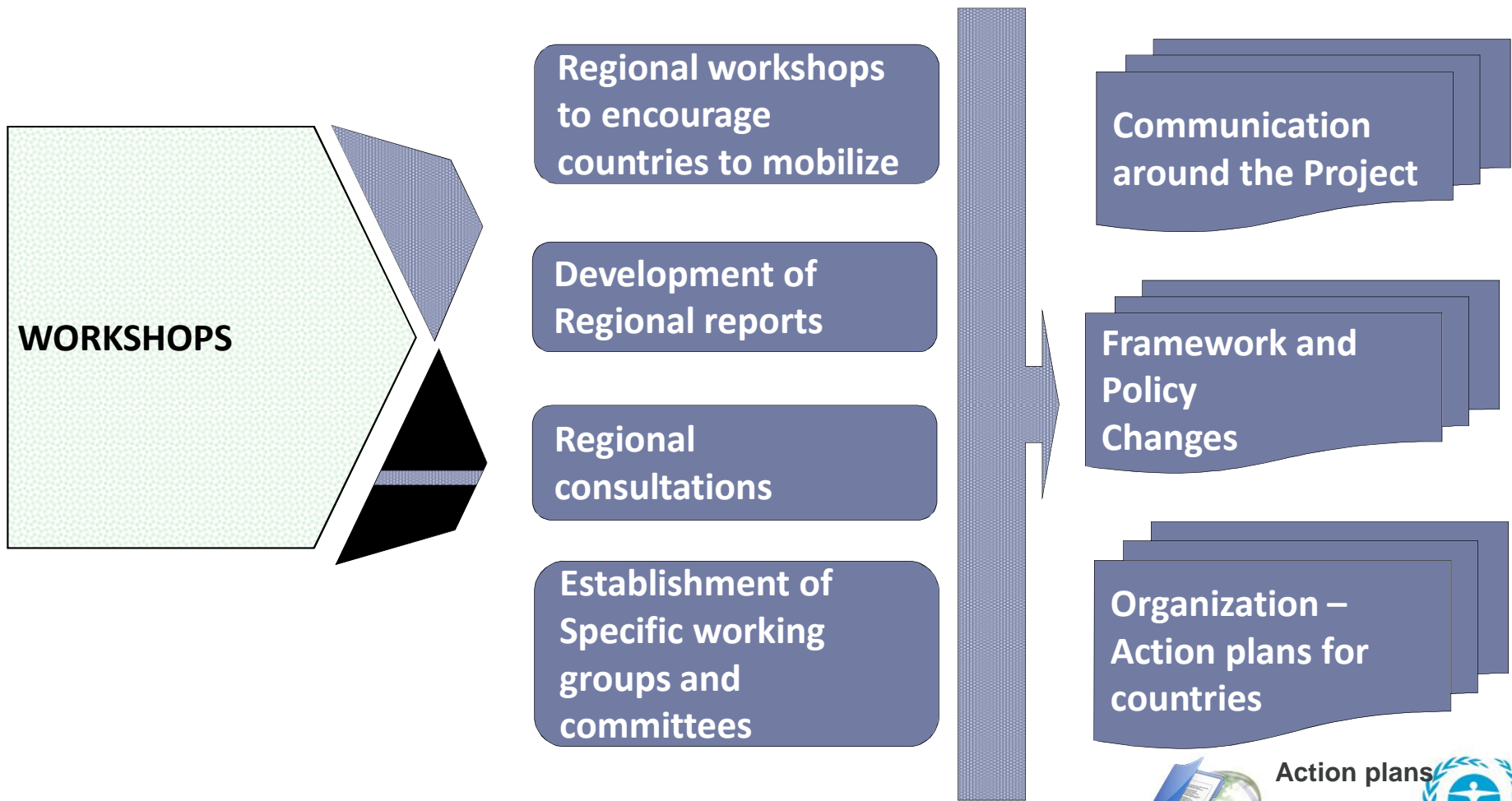˝ Private sector Expertise:                         OSRAM; Philips;
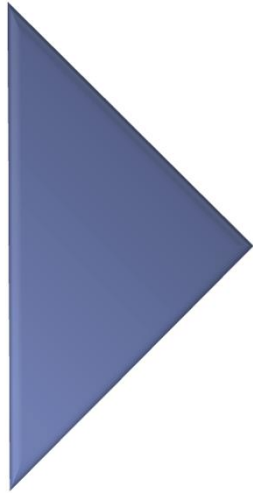
# POSSIBLE PROJECT ORGANIZATION

Technical & Financial Support

Political, Technical & Expert Support

UNEP

Other Development Agencies

Other Development Banks

ECOWAS REGIONAL STRATEGY

ECREEE

Club EnR

Orientation & Strategic decisions

Regional Coordination Committee

MEPS

Supporting policies

MVE

Environmentally Sound Management

Thematic working groups

| Burkina Faso | Cape Verde | Cote d'Ivoire | Gambia | Ghana | Guinea | Guinea Bissau | Liberia | Mali | Niger | Nigeria | Senegal | Sierra Leone | Togo |

National Focal points (execution of activities)

en.lighten  UNEP

# STAKEHOLDER ENGAGEMENT

**WORKSHOPS**

Regional workshops to encourage countries to mobilize

Development of Regional reports

Regional consultations

Establishment of Specific working groups and committees

Communication around the Project

Framework and Policy Changes

Organization – Action plans for countries

Action plans Prepare Implementation

en.lighten  UNEP

# WHAT'S NEXT

"Constitution of Thematic Working group with specific nomination of leaders and members (MEPS, Supporting policies, MVE, ESM).
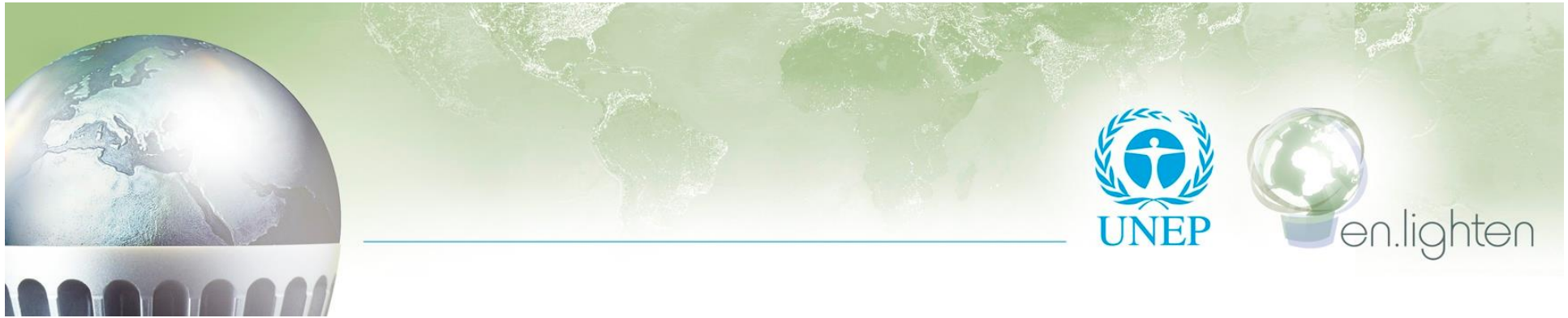
"Regional consultation organization – end of June 2013 (location TBD)

# Discussions..

QUESTIONS ?

# Thank You

## www.enlighten-initiative.org