

# Environmental Statistics in ECOWAS Region

By Mr. AJAERO Christopher Uchay  
Programme Officer Statistics  
Research and Statistics Department  
ECOWAS Commission

# Contents

- ▶ Introduction
- I. Environmental problems in West Africa
- II. ECOWAS Environmental Policy
- III. Situation of Environmental Statistics in ECOWAS region
- IV. Main issues to be addressed by environment statistics in ECOWAS region
- V. Framework of Environment Statistics in ECOWAS Region

# Introduction

- ▶ Environmental concerns have increasingly become the subject of mainstream socio-economic policies both at international and national levels.
- ▶ In ECOWAS region, water scarcity, water quality and land degradation are of primary concern, but air quality, waste management and biodiversity are also important issues.

# Introduction

- ▶ These environmental challenges cannot be met without the availability of scientifically reliable information obtained on the basis of knowledge of what is happening both quantitatively and qualitatively.
- ▶ A major difficulty in supporting informed decision-making and assessing the outcomes of such decisions has been the lack of basic environmental statistics and indicators.

# I. Environmental problems in West Africa

1. Climate
2. Air pollutions
3. Deforestation
4. Conservation of Biological Diversity
5. Desertification
6. Coastal erosion
7. Waste

# II: ECOWAS Environmental Policy

- ▶ Document on ECOWAS Environmental Policy envisages to address the following concerns:
  - ✓ Stabilize the environment,
  - ✓ Reverse the heavy tendencies of degradation
  - ✓ Reduction of dependence on natural resources,
  - ✓ Rehabilitate and maintain healthy environment.

# ECOWAS Environmental Policy

- ▶ The Strategic Axes of ECOWAS Environmental Policy are to:
  - ✓ (1) Promote knowledge and capacities
  - ✓ (2) Contribute to the sustainable management of natural resources for the fight against poverty and food insecurity
  - ✓ (3) Ensure the maintenance or sustainable restore of an healthy environment
  - ✓ (4) Promote Ecocitoyenneté (Communicate, Educate, Sensitize and Demonstrate) for more responsibility on environment
  - ✓ (5) Promote Partnerships for the Improvement of the Environment

# Main issues to be addressed by environment statistics in ECOWAS region

## ► Water statistics

1. Water resources (rainfall, evapo-transpiration, river inflow/outflow, import of water) and its water quality,
2. Groundwater and surface water abstraction, desalinization,
3. Water supply by source, cost of water production, water quality of the supplied water,
4. Water use by sector (agriculture, industry, households, power stations) and its water quality,
5. Waste water treatment, waste water treatment plants, balance between water abstraction and available freshwater (ratio of used to total available water), non-traditional sources.



# Main issues to be covered by environment statistics in ECOWAS region

## ► Solid waste statistics, including hazardous waste, municipal waste

1. Waste generation (quantity of waste generated by source),
2. Waste collection,
3. Waste treatment and disposal (e.g. landfill, incineration, recycling and composting),
4. Cost of disposing of waste and related waste indicators.

# Main issues to be covered by environment statistics in ECOWAS region

## ► Main Air statistics

1. Emission of greenhouse gases,
2. Air quality (NO<sub>x</sub>, SO<sub>2</sub>, windblown sand, and dust), air quality in 'hot spots',
3. Emissions of air pollutants (quantities of pollutants emitted by source).
4. issues to be covered by environment statistics in ECOWAS region

# Main issues to be covered by environment statistics in ECOWAS region

## ► Land statistics

1. Land use (e.g. agriculture, forestry, built-up land, and classification of land by agro-climatic zone),
2. Changes in land use,
3. Land degradation (desertification, soil erosion).

# Main issues to be covered by environment statistics in ECOWAS region

- ▶ Biodiversity (threatened species, protected areas),
- ▶ Environmental and sustainable development indicators,
- ▶ Natural resource statistics.

# VII: Framework of Environment Statistics in ECOWAS Region

- ▶ **ECOWAS Commission with technical support of UNSD and regional experts developed a Framework to strengthen capacity and institutionalize environment statistics in the region. The primary objective is to build a sound base of environment statistics.**

# VII: Framework of Environment Statistics in ECOWAS Region

- ▶ Specific **Objectives** (12)
- ▶ Actions at **Regional** level
  - 1. Resource mobilization***
  - 2. Institutionalization***
  - 3. Coordination***
  - 4. Training and technical assistance***
  - 5. Data collection and dissemination***

# VII: Framework of Environment Statistics in ECOWAS Region

## ► Actions at National level

***1. Legislation***

***2. Resource mobilization***

***3. Institutionalization***

***4. Coordination***

***5. Training and technical assistance***

***6. Data collection and dissemination***

# The End

► Thank you for your Attention