

WASCAL NATIONAL CONSULTATION FORUM ON CLIMATE CHANGE
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Organized by
WASCAL and the Department of Meteorology and Climate Science, FUTA.

REPORT OF WORKING GROUP 4

SOCIO-ECONOMIC DRIVERS

Identified Socio-economic drivers

1. Population dynamics
2. Economic processes
3. Poverty
4. Urbanization
5. Socio-cultural issues
6. Behavioural issues
7. Policy changes
8. Advocacy

Task 1

Prioritizing socio-economic drivers for Nigeria

1. Poverty
2. Population dynamics
3. Behavioural issues
4. Urbanization
5. Economic processes of production and consumption
6. Socio-cultural issues
7. Advocacy
8. Policy changes

Identified Research Aspects for each driver

Poverty

1. Need for collaborative research between WASCAL and Financial Institutions on disposing loans/grants to farmers to improve their livelihoods.
2. Urgent need for studies on spatial and temporal analysis of extreme climate events as advisory climate services for both agricultural planning by producers and agricultural lending/risk sharing by finance service providers.

Population Dynamics

1. Understanding climate change induced migration patterns in West Africa

Behavioural issues

1. Urgent need for focus on rural willingness to conserve bio-diversity, preserve ecosystem services and make payment for improvements in environmental quality.

2. Sensitization on the need to preserve forest resources.
3. Collaboration between religious/traditional leaders and WASCAL on the need to sensitize people on the importance of good drainages

Urbanization

1. Adaptive City planning, planning regulation and infrastructure.
2. How do key socio-ecological dimensions of urban areas interact to create vulnerability or adaptiveness to extreme events?
3. How to make cities more flexible and adaptive pathways to more resilient and sustainable futures
4. Linkage between spatial and temporal distribution of urban and regional air pollutants

Economic processes of production and consumption

1. Research into how to green the Nigerian Economy. This entails development of strategies for harnessing clean alternative energy sources, urban landscaping, tree planting and rural afforestation program.

Socio-cultural Issues

1. Application of traditional knowledge in Climate Change Issues

Advocacy

1. Advocacy issues as it relates to Climate Change and Land Use Change

Task 2: Analyse the coverage of the country's research needs by the Research Agenda 2020 of WASCAL

As much as possible, the spatial coverage should be based on climatic zones for comparative analysis. However, there is a possibility of conducting research on specific issues in particular areas of concern.

Task 3: Analyse the National Research capacities in relation with climate change

There are a number of climate change research clusters but with very weak interactions and institutional capacities. There is therefore a need for coordination, collaboration and knowledge sharing. Also there is the need for more multidisciplinary and interdisciplinary research.

Theme of Research

Innovative management of Socio-economic drivers of climate change and land use in Nigeria