

modelling of biophysical impact for different regions;

- establishment of best and worst scenarios for these regions;
- identification of potential response strategies and preparedness plans for these regions.

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#### **Building Nigeria's Response to Climate Change Project**

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BNRCC aims to increase Nigeria's capacity to adapt to the effects of climate change and reduce its negative impact on the livelihoods of vulnerable men and women. To do this, BNRCC is taking action by supporting research as well as initiating :

- Pilot projects to identify climate change adaptation strategies in communities across Nigeria;
- The development of a comprehensive and sustainable national adaptation strategy/plan of action on climate change for Nigeria
- Outreach activities to generate awareness of climate change and adaptation measures.



*BNRCC Partners at SAS2 training in Calabar*

For more information on our other project components, please visit our website or pick up another copy of our other brochures. BNRCC has lots of opportunities and ideas for action.

To learn more please contact us at [www.nigeriaclimatechange.org](http://www.nigeriaclimatechange.org) or [info@nigeriaclimatechange.org](mailto:info@nigeriaclimatechange.org)

## KNOWLEDGE IS THE KEY

Scientists continue to warn that burning of fuels such as gas and land use changes such as deforestation are causing traumatic global climate changes. Most experts agree that the average global temperature could rise by 1 to 3.5 degrees Celsius over the next century. This climate change will have far reaching and unpredictable consequences, including a rise in the sea-level, drought, flooding, severe storms, epidemics, water and food shortages - causing forced migration of large populations.



While climate change is a global problem, studies have shown that some countries have a greater degree of vulnerability to the impact of climate change than others (IPCC Third and Fourth Assessment Reports). Nigeria has been identified as particularly vulnerable due to its extensive coastline, in the south, and increasing desert and drought regions of the North. Nigeria is one of the most populous countries in Africa with an estimated 150 million people, yet lacks plans and infrastructure to adapt to these expected climate changes. More information is vital to improve our understanding of current and projected impacts, as well as adaptation measures in Nigeria.

Building Nigeria's Response to Climate Change Project (BNRCC) ([www.nigeriaclimatechange.org](http://www.nigeriaclimatechange.org)) is meeting this need by supporting new research studies to generate new ideas and knowledge on climate change. Together these studies will tell the story of climate change impacts and adaptation measures, the economics of the phenomenon, and forecast possible consequences at the local level in Nigeria. This information will be used to inform the development of state and national adaptation strategies.

**1) Socio-Economic Research:** Spread across three agro-ecological zones of Nigeria, these socio-economic studies are working to provide complementary information on gender-specific impacts of climate change; economic implications; alternative livelihood options; and existing gender-specific adaptation/coping strategies.

#### **a. Study: Adaptation to Climate Variability: A case study of farmers in the Niger Delta- UNIUYO**

Researchers will explore local knowledge of climate variability and adaptation in three states in the Niger Delta region – Akwa Ibom, Rivers and Ondo. Direct observation, interviews and focus group discussions with 60 farming and 40 fishing households in the Niger Delta will provide key information on vulnerable areas, climate hazards affecting upland and wetland farming and fishing households as well as adaptation/coping strategies of target groups in the region. To obtain more information contact: Dr. Gabriel Umoh, Dept. of Agricultural Economics & Extension University of Uyo, Uyo, Akwa Ibom state, [gsumoh@hotmail.com](mailto:gsumoh@hotmail.com)

#### **b. Study: Gender dimensions and indigenous knowledge systems for adaptations to climate change in Eastern Nigeria - WACDI**

This research focuses on rural communities in Imo, Abia, Anambra, Enugu, and Ebonyi states of Nigeria. Through field surveys, focus group discussions and in-depth interviews, the study will identify major climate change hazards, determine gender differences in awareness and vulnerability to climate impacts, evaluate community adaptation



*FGD with men in one of BNRCC project community*

measures -- including gender specific indigenous practices --- and estimate the cost of such climatic impacts, and adaptation measures/coping strategies. To obtain more information contact: Dr. Damian Asawalam, Women and Children Development Initiatives (WACDI), Umuahia, Abia State. [asawaldo@yahoo.com](mailto:asawaldo@yahoo.com),



*FGD with women in one of BNRCC project community*

#### **c. Study: Assessment of gender knowledge and awareness of climatic changes in Northern Nigeria-WEP**

This study focuses on communities in Benue, Borno and Kebbi states of Nigeria. Household field surveys, focus group discussions and in-depth interviews are being used to obtain

information on people's perceptions of climate variability and their associated impacts. To obtain more information contact: Ms. Priscilla Achakpa, Women Environmental Programme, Abuja, [info@wepnigeria.net](mailto:info@wepnigeria.net),

#### **2) Modelling and Scenario-Based Research** **a. Study: Development and application of scenarios for assessing potential impact of climate change and least-cost adaptation opportunities for the Nigerian economy - CERD/OAU**

This groundbreaking initiative is using downscaled models to develop scenarios that will assess climatic impacts and adaptation options at both the national and community level in Nigeria. The project will produce:

- regional climate models;
- multi-scenario