

# SIERRA LEONE AND Article 6

What has been done, what we  
would/should do and the challenges



# The Climate Change Project (CCP)

- Sierra Leone is in the last phase of the completion of the Second Nation Communication (SNC).
- During the compilation of the document, series of sensitization workshops were done in various parts of the country where the community input formed parts of the issues presented. This component addresses the community education on Climate Change issues

# One such workshop in the farthest district (Kailahun) of the Country



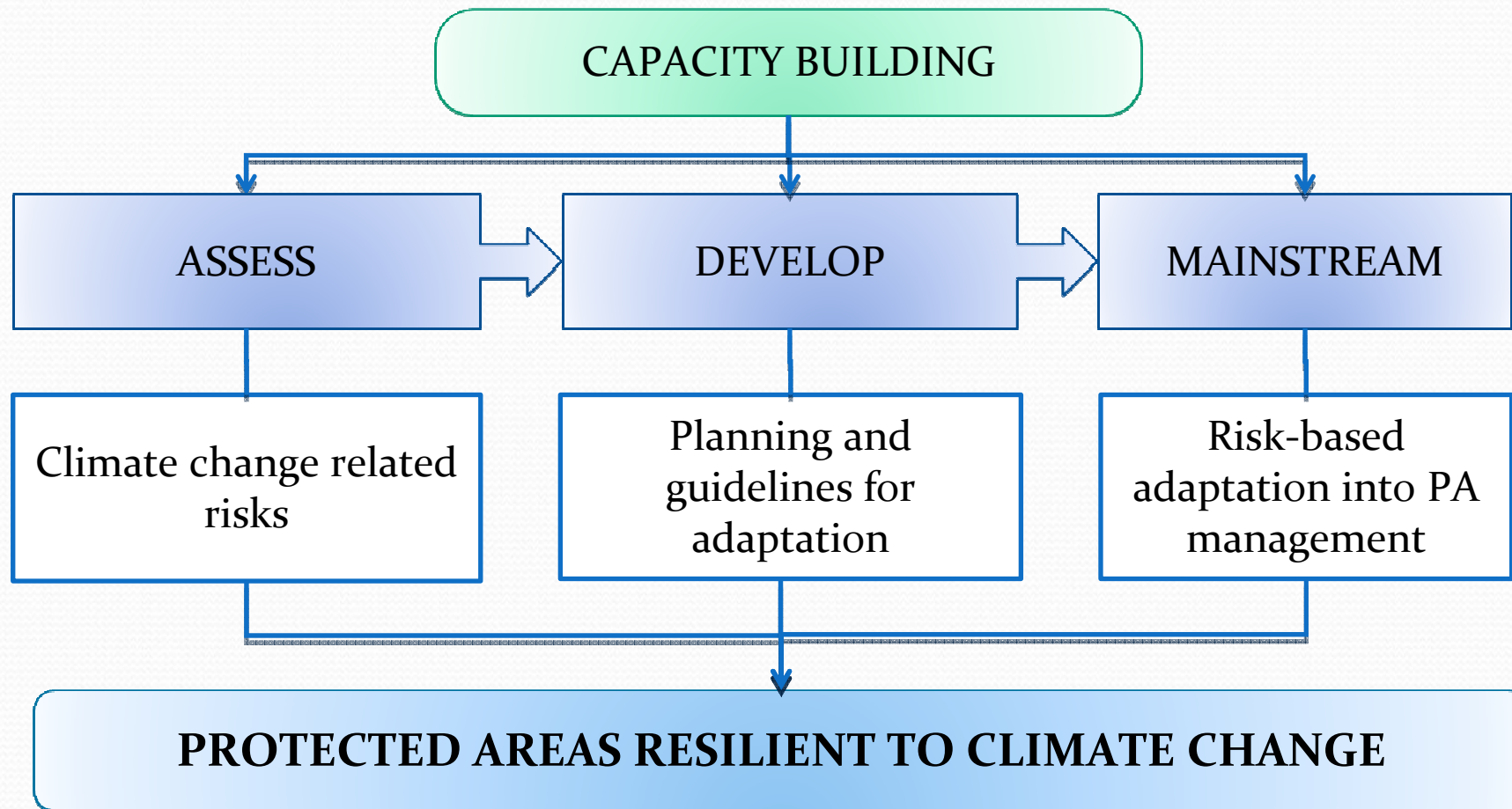
# PROTECTED AREAS RESILIENT TO CLIMATE CHANGE (PARCC) *in West Africa*

This is a five years regional Pilot project that involves some five west African countries on means of managing and strengthening PA's resilient to climate change and other pressures.

In each country, a multidisciplinary working group of various institutions were set up to address the objectives of the project.

Key activities of the project are capacity building (of the institutions) and public education (on the sustainable use of the forest).

# THE AIMS OF THE PARCC PROJECT



# 4. National inception meetings in each country



CHAD



MALI



SIERRA LEONE



TOGO



THE GAMBIA



PARCC Protected Areas Resilient to Climate Change in West Africa





# The Food Security early warning

- The effect of extreme Climate events on Food Security cannot be over emphasized.
- In addressing of this issue, a multidisciplinary Task force was formed and the specific roles of each identified with likely solutions that will enhance the achievement of the goal.
- Key among these solutions were the capacity building, public information and the necessary research measures to engage in by our higher institutions, extension workers and the communities.

# Involvement Law Makers and other players in Climate Change issues

- We have included law makers, local government officials, the media and the civil society in some of the external workshops on Climate change as a way of educating them for carrying out their expected roles in our quest to address climate change issues
- Hon Alieu Sankoh, Council Chairman of Makeni City, Harod of the Sierra Leone Broadcasting Cooperation, Gladys Branche of Labour Congress, Juanna Saawah of Coalition of Civil Society etc have all been made to participate in some key external climate change workshops and trainings.



# Institutional support given to Key Line Ministries dealing with CC

- The Spanish Government, UNDP , UK MET Office and WMO helped the MET Department to digitized their data and provided us with six (6) state of the arts Automatic Weather Stations (AWS)
- Environmental Protection Agency – Sierra Leone (EPA-SL) was supported by the European Union to work with other players to mainstream environment and related issues in governance

# Alternative Livelihood Provision

- The country's first CDM project, the ADDAX Bioenergy is working with the affected community in using the swamps much more effectively and maximizing yields through modern profitable agricultural practice.
- The Freetown Western Area Protected Forest Management Project is empowering the affected Freetown peninsular communities to participate in ecotourism, bee keeping, touristic trading etc in lieu of sustainably managing the forest.



# Institutional Support Continued

The Water Resource Department has recently been capacitated to assess the country's water resources and to map out strategies on its sustainable management

Meteorological department conducted series of on CC such as the workshop for the dissemination of the 2010 PRESAO seasonal forecast and among the topics covered was “the role of Media in disseminating weather and climate information”

# Institutional Support and Community Education Contd

- The series of extreme climate related events resulted in the formation of the National Disaster Management Department under the office of national Security in the Vice President's office.
- Last August, nearly all stake holders benefitted from the American Army Training in Disaster Management and the formulation of a disaster management plan and the expected roles of each player.
- It was a Diploma Certificate Training (DDM)

# Community Education Contd

- School outreach programmes on environmental education have been started in few schools by the EPA-SL
- The MET department in collaboration with the Agriculture Ministry and other key players conducted series of lectures on the adverse effect climate change.
- The evidences presented were really surprising as many previously thought it was just abstract.
- They also hope to establish rainfall stations in at least one school per chiefdoms in the 159 chiefdoms. The rain gauges are there but need support to get the thermometers.



**One of the areas where the sea level rise is destroying both the environment and property. See at way the**

- **people have resulted to constructing structures at the far side**



**Sea Level Rise is seen here affecting the little stream which in turn is destroying the wall fence of this Hotel that was under construction. It has been abandoned since.**



### **Sea Level Rise Affecting the Lungi-Kintoki area: see the abandon houses**

Sea Level rise is having marked effects on our coast-line and coastal infrastructures. In the above picture, the sea has eaten more that 10m length of land in just 15 yeas. A visit to Konakry Dee will show that the beautiful presidential resort of President Stevens' days is no more as the sea has taken over the whole area



# Research activities

- University of Sierra Leone lecturer Mr. Sesay headed a team that researched on the “Climate Change and Rural Settlements” sponsored by the CCP where they catalogued various effects ranging from flooding, landslide, squalls etc on the Mambolo Chiefdom.
- Below are what was discovered in just one of the 25 settlements investigated:
- Habitat destruction, huge agricultural and soil loss., not to mention the recorded health related incidents





- Soils lose their nutrients making farming inefficient, more sand absorb heat from the air and eventually scotching the crops.



**Flooding is a major challenge to upland Farmers at Rokupr.**

# Systematic Observation, Networking and research capacity building

- In the SNC, Various adaptation and mitigation projects were developed to address the following:
- Systematic observation
- Networking, research and capacity building

# Network of Observation

- Those strengthening the Network of Observations for measuring of Agro, Marine And Hydrological Meteorological Data sets together with that of the present Synoptic and Rainfall stations and the means for transmission of these data to relevant users either in the raw form or in the processed form that will enhanced action and planning for National Development (ND)
- Reinstating the Upper-Air (Altitude) data collection through the use of Radiosonde and Pilot Balloons for the Measurement of the various layers in terms of average Temperatures, humidity, wind and pressures
- Observation of Aerosols and its measurement in various parts of the country
- Strengthening the Remote sensing capacity of the Meteorological/Hydrological Institutions through the use of Radar and Satellite data.
- The initiation of Ozone observation in the country
- Strengthening the assessment and monitoring of underground water measurement, and the country' Water Resources

# Network, Research and Capacity

## Building

- Establishment of Network of Applied Meteorology and Climate Study with Higher Educational institution in the country and sub region.
- Establishment of Network with Local Grassroots organizations and International Non-Governmental Organizations for the enhancement of development and use of Climate information and services.
- Undertaking Various Climate Researches in our universities that will address different Climate Concerns for Development
- Building the capacity of policy makers on Climate issues and legislation that will enhance compliance of the convention and its accompanying protocol(s)
- Sensitization of the general public on Climate and Climate Change issues and the use of Climate Information and Services in National Development

# Challenges

- Needed funding to under take the projects identified and expand those started in order to get the desired effects.
- The speedy enactment of the Policy and Autonomy of certain departments such as the MET Agency Bill.
- Provision of logistics for enhancing the various coordination of various sector players
- A designated multidisciplinary task force on Article 6 as in other programs.
- Identifying the gaps not yet noted in the above in article 6 and getting the support to address them



# Submitted by: Alpha Bockari

on behalf the various multidisciplinary players of  
Climate Change in Sierra Leone