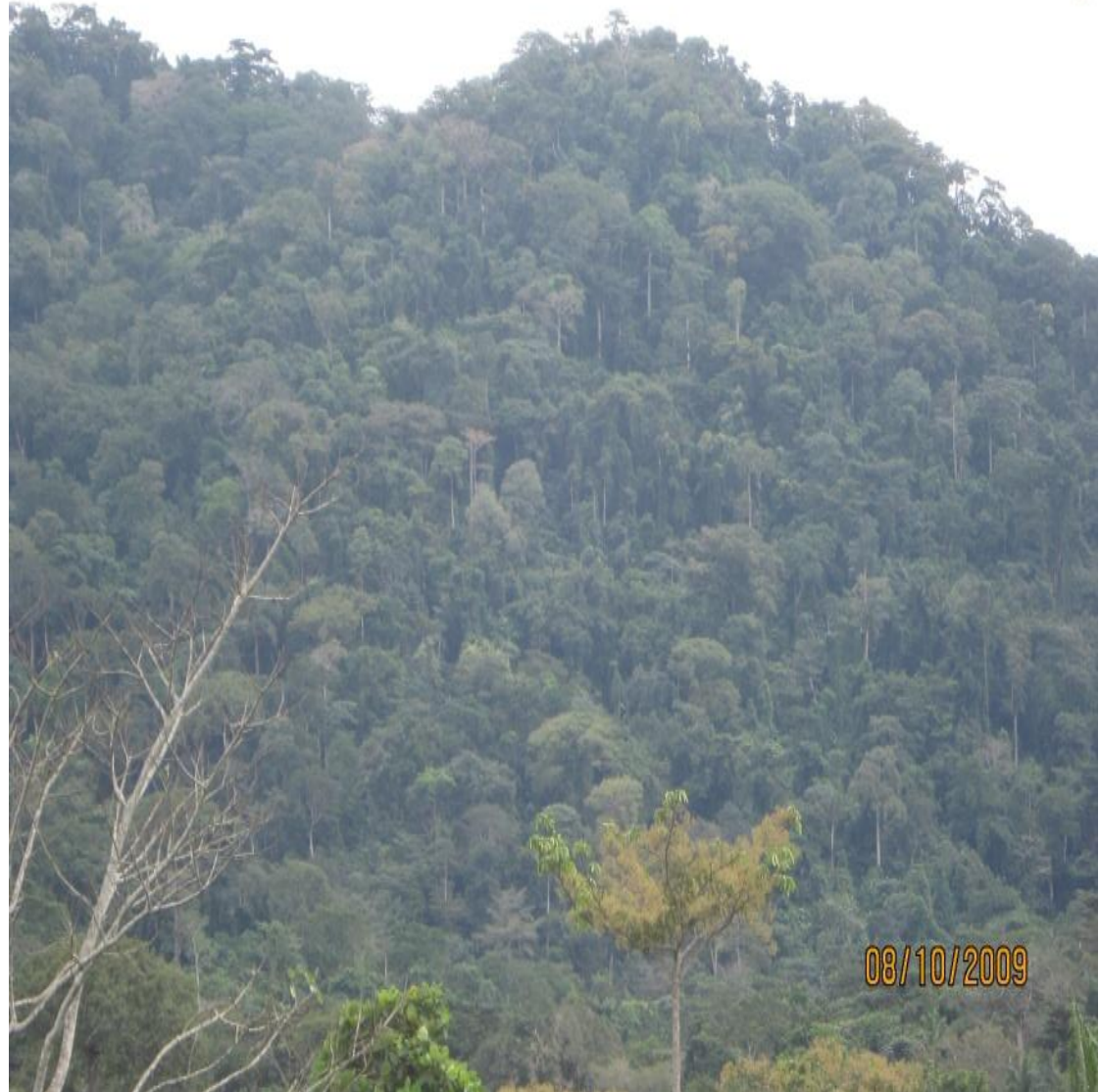


REDD+ IN CROSS RIVER STATE: MULTIPLE BENEFITS BEYOND CARBON.

Presented by
Bridget Nkor
CRSFC

Why Cross River State as pilot project site

- ✓ Cross River State was selected as the REDD+ pilot in Nigeria based on the State's long history of community-based Sustainable Forest Management which spans over 20 years;
- ✓ The State hosts more than 50% of what is left of Nigeria's Tropical High Forest;
- ✓ The State is also regarded as one of the 25 World Biodiversity hotspots.
- ✓ There is Political will.



Multiple benefit beyond Carbon

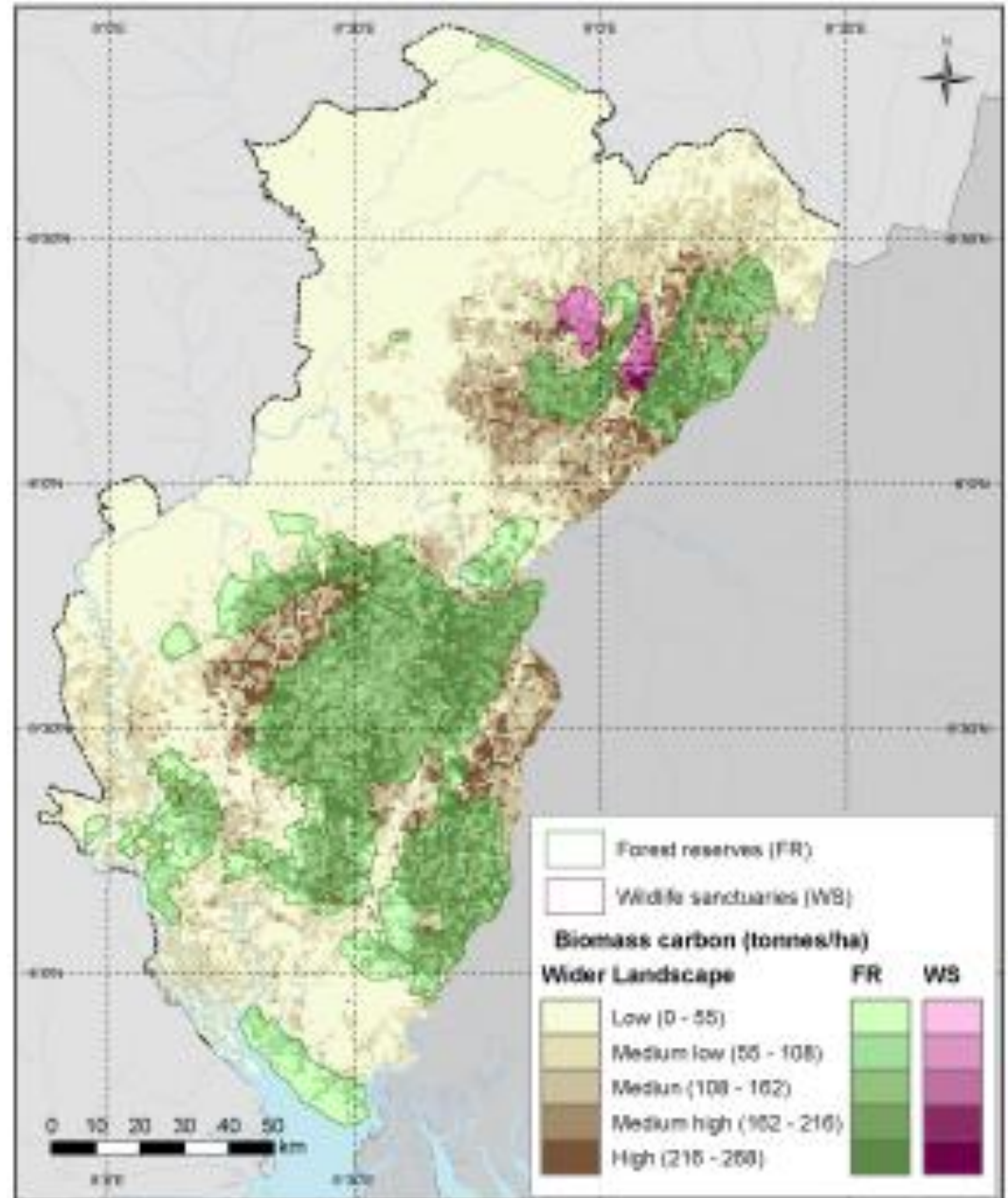
- ✓ REDD+ has the potential to deliver multiple benefits beyond carbon.
- ✓ It can promote biodiversity conservation
- ✓ Secure ecosystem services such as water regulation, erosion control and non-timber forest products enhancement.



Multiple benefit Mapping

Beyond the carbon where are:

- The Animals
- The NTFPs
- The water resources
- Erosion prone areas



Why multiple benefit mapping

- ✓ It will enhance planning of REDD activity
- ✓ Important to know where the carbon and biodiversity are under pressure
- ✓ To know what is currently happening in any give area

REDD+ in Cross River State

What is REDD+?


REDD+ (Reducing Emissions from Deforestation and forest Degradation +) is a mechanism intended to combat climate change by providing incentives for changing the ways in which forests are used and managed, so that emissions of greenhouse gases from forests are reduced and carbon sequestration is increased. REDD+ may require many different actions, such as protecting forests from fire or illegal logging or rehabilitating degraded forest areas.

*the "+" indicates the inclusion of the following three activities, conservation of forest carbon stocks, sustainable management of forests and enhancement of forest carbon stocks.


What are multiple benefits and REDD+ safeguards?

REDD+ has the potential to deliver multiple benefits beyond carbon. For example, it can promote biodiversity conservation and secure ecosystem services from forests such as water regulation, erosion control and non-timber forest products. REDD+ may also carry some social and environmental risks; for example displacing the factors causing deforestation to other areas. REDD+ safeguards are intended to help guard against risks and enhance benefits from REDD+.


Within Cross River State, three pilot REDD+ areas have been identified.



Afi/Mbe pilot project
High carbon stock
Total: 11 Mt C Biomass
Density: 153 tc/ha
Contains forest elephant and gorillas
This pilot project has particular value in that it protects an elephant migratory corridor



Ekuri/Upkon/CR South REDD+ pilot
High carbon stock
Total: 19 Mt C Biomass, Density: 137 tc/ha
Contains elephant and gorilla ranges
This REDD+ area within the forest reserve and community forest has ecotourism potential due to the presence of forest elephant and gorillas






Mangrove REDD+ pilot project
Low Medium carbon stock
Total: 3 Mt C Biomass, Density: 66 tc/ha
High ecosystem service value
Mangroves have immense value for fisheries and protecting the coast from erosion. REDD+ actions could help address invasive Nypa palm and overharvesting

Planning for REDD+ in Cross River State

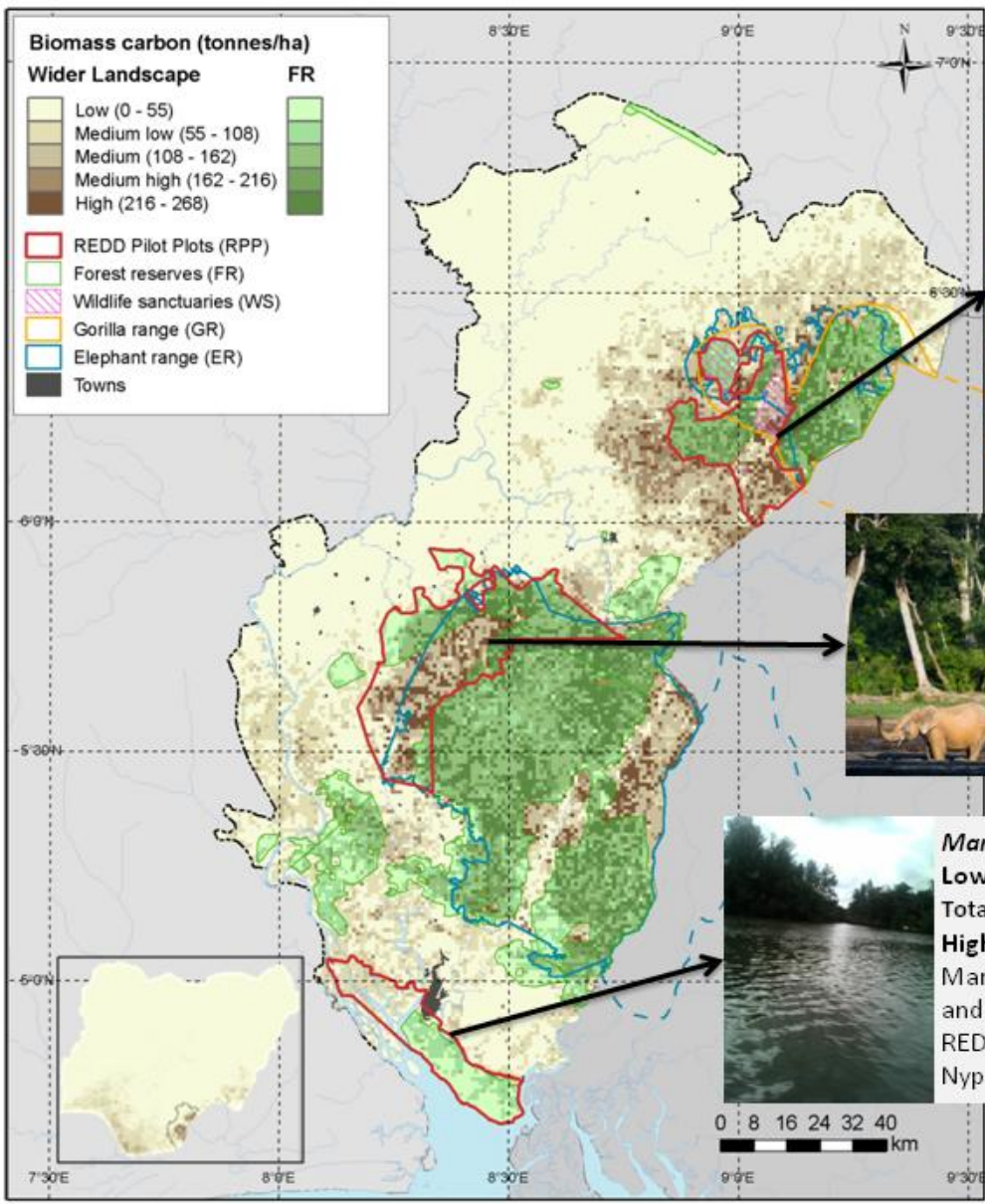
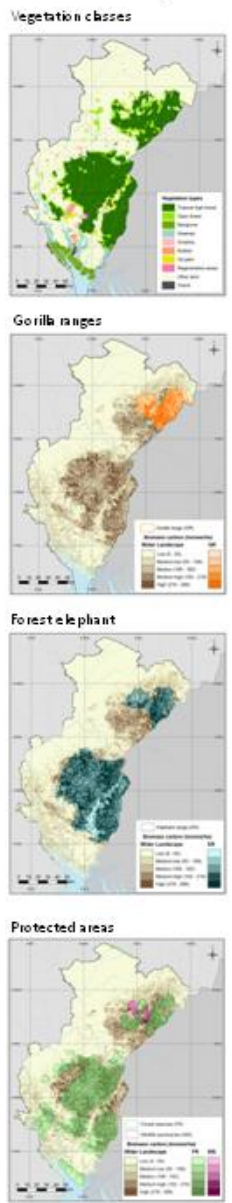
Cross River State (CRS) has the highest forest cover of all of the Nigerian States and has been selected as the pilot state in preparation for REDD+. REDD+ actions can provide multiple benefits in CRS, such as contributing to conservation of important species like gorillas and forest elephants and helping to ensure continued supplies of timber and non-timber forest products to local communities.

Mapping key habitats, species distributions and ecosystem services in relation to carbon stock can help the Cross River State Forestry Commission in making informed decisions on REDD+. Decisions about where and how REDD+ actions are implemented will determine the benefits that may be realised and the risks that might occur. Careful planning can help to minimise risks and enhance benefits and thus address REDD+ safeguards. Future work will incorporate information on ecosystem services important to local communities and identify areas where forests are important in delivering them.

UN-REDD Programme, 2011. Cross River State Forest Carbon Stock Assessment Report. Cross River State Forestry Commission, Cross River State, Nigeria. www.un-redd.org

Why multiple benefit mapping



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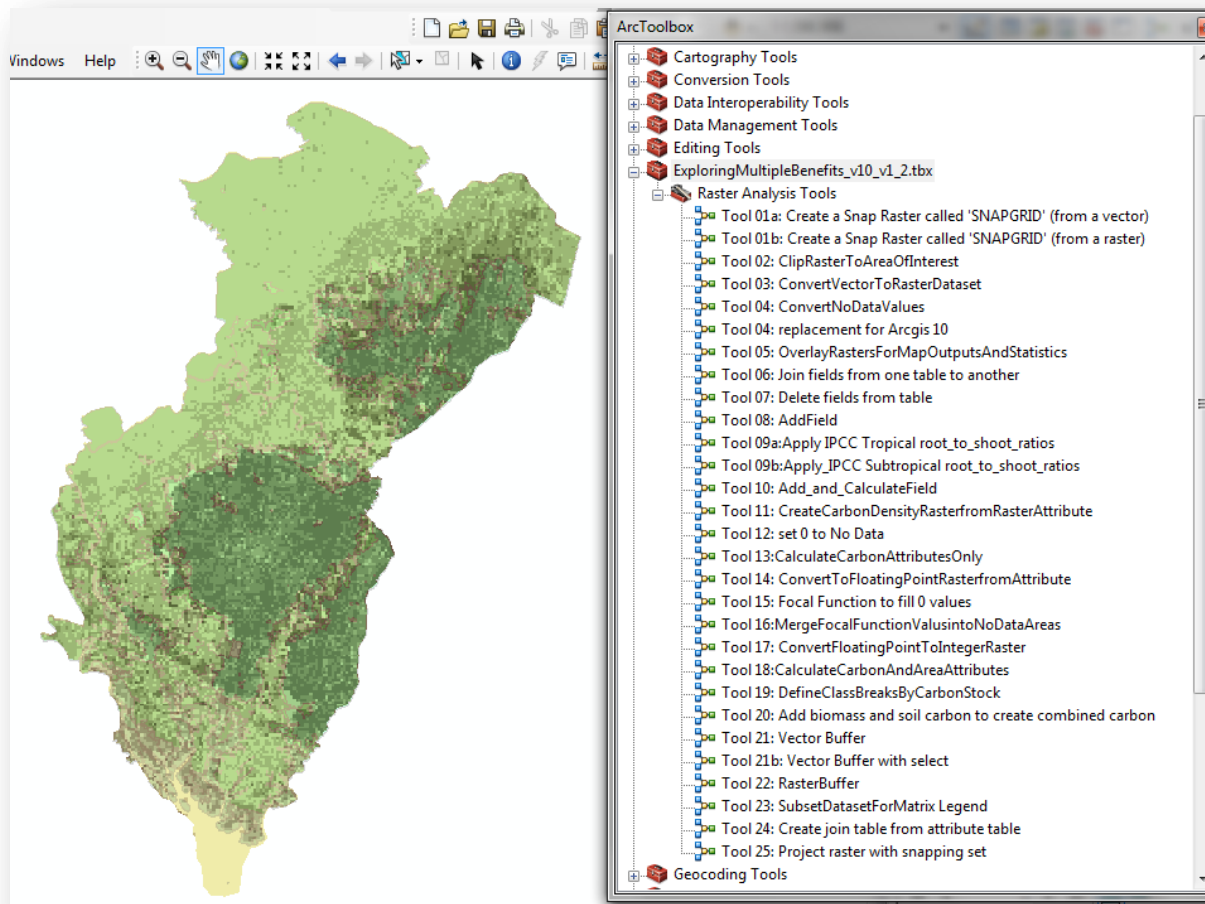
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Tools use in multiple benefit mapping

- Spatial analysis can be carried out using “GIS software”
- Maps were prepared using a special multiple benefits analysis “toolbox” and accompanying manual



UN-REDD
PROGRAMME

Identifying and mapping
the biodiversity and
ecosystem-based
multiple benefits of
REDD+
*A manual for the
ExploringMultipleBenefits
tool*

UN-REDD PROGRAMME

16 December 2011

Working Document – version 1

Multiple Benefits Series 8



Future mapping

Analysis to support safeguard implementation, e.g. where are potential risks from forest removal?

- ✓ Flood prone areas
- ✓ Landslide areas

