

## Mangrove Conservation in the Niger Delta

<p><b>Impact:</b> (30 words) development and implementation of a sustainable use, poverty alleviation and biodiversity conservation model in coastal Nigeria that delivers benefit to poor people and threatened species and ecosystems.</p>			
	Measurable indicators	Means of verification	Assumptions
<p><b>Outcome (max 30 words)</b></p> <p>improvements in ecosystem services including ability to address climate change and conservation of threatened species, and support for poverty reduction dependent on natural resources for their livelihoods.</p>	<p>0.1 Up to 200 families (around 1,000 people) living in the periphery of the Edumanom Forest Reserve (EFR) engage in a new social enterprise based on the collection of invasive plant material</p> <p>0.2 At least 50% of the enterprise are female</p> <p>0.3 At least 20% of the enterprise are aged between 18 and 25</p> <p>0.4 Up to 200 families living in the target area show an increase in household income arising from the new social enterprise</p>	<p>0.1a Documented evidence, for example signatories to REA</p> <p>0.2a Documented signatories of agreements</p> <p>0.3a Documented signatories of agreements</p> <p>0.4a Empirical household socio-economic surveys (primary and secondary income and expenditure), 2017, 2019 and 2021</p>	<p>Sufficient buy-in to process</p> <p>Female and youth do not have any unknown barriers to take part in the enterprise</p> <p>The Government of Nigeria fulfils its commitment to the current justice system</p> <p>The chimpanzee population is not adversely affected by disease</p>

	<p>0.5 The rate of mangrove forest loss is reduced by 15%</p> <p>0.6 Up to 50 hectares of land populated with indigenous tree species for use in construction</p> <p>0.7 The chimpanzee population remains or increases from its present level</p>	<p>0.5a GIS assessment of forest limits; ground truthing (photos, satellite images)</p> <p>0.6a GIS assessment of forest limits; ground truthing (photos, satellite images)</p> <p>0.7a census counts maintained by NGO</p>	
<b>Outputs</b>			
<p>1. Identify and introduce a model agreement for co-operational working such that poor people living around the Edumanom Forest Reserve, and threatened biodiversity in and around the EFR can benefit</p>	<p>1.1 Model Agreements signed OR community forest process initiated that engage with up to 3,000 people living around the EFR</p>	<p>1.1 formal processes documented</p>	<p>There is sufficient interest in working collaboratively between different civil society members</p>
<p>2. Build capacity of local law enforcement to address the</p>	<p>2.1 No of BDoE staff working in the area</p>	<p>2.1 Personnel records (BDoE)</p>	<p>Government policy allows for deputation</p>

<p>challenge of local and more remote people depleting the forest for timber, firewood and slash and burn agriculture as well addressing illegal activities such as oil refining</p>	<p>2.2 Amount of hours spent per month by BDoE staff working in the area</p> <p>2.3 BDoE staff reports</p> <p>2.4 Number of deputised personnel recruited from target area communities</p> <p>2.5 Number of reports of illegal activity reported by deputised members of the community</p>	<p>2.2. Project reports</p> <p>2.3 Reports from deputised community members</p>	<p>Agreement can be made between community members</p>
<p>3. Creation and development of a bio-waste to energy local enterprise that utilises invasive plant species – notably water hyacinth and nipa palm - as raw product. Collection of at least 10,000 kg per month of invasive plant material</p>	<p>3.1 Amount of bio-waste harvested per month</p> <p>3.2 Amount of bio-waste transformed per month</p> <p>3.3 Amount of energy created per month by social enterprise</p> <p>3.4 Company registered</p> <p>3.5 Monthly financial reports</p>	<p>3.1 Social enterprise records maintained electronically</p> <p>3.2 Social enterprise records maintained electronically</p> <p>3.3. Production records maintained by social enterprise</p> <p>3.4. Register of companies – Bayelsa State</p> <p>3.5 Management reports maintained by</p>	<p>There is sufficient interest in the community to engage with the new social enterprise</p> <p>Capacity can be built to develop entrepreneurial and trading skills</p>

	3.6 Yearly accounts submitted	social enterprise 3.6 Company accounts	
4. Disseminate the lessons learned for use in wider landscape planning, such as that being developed under the Niger Delta Low Carbon Growth Initiative	4.1 Capture of processes and log of intervention activities 4.2 Documentary evidence, photograph, video capture of project maintained on project website 4.3 Presentation of project findings to NDLCGI partners at eop	4.1a Project reports 4.2a evidence, photograph, video capture of project maintained on project website 4.3a Presentation	NDLCGI continues to flourish