

CLIMATE CHANGE MITIGATION CONCERNS WITHIN THE FRAME WORK OF GP- DERUDEP II

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Introduction:


- North West Region has fragile ecological systems (fast approaching by desert due to climate change negations) resulting from various forms of environmental degradations of both human and natural.
- The climate change vis-avis environmental concerns of the project are placed under category II of the African Development Bank (ADB) environmental safeguards policy. Thus requires action to mitigate the negative effects that might have caused by the project and otherwise.

Objectives: Climate change adaptations and mitigations geared towards protection of lives and property.

NB: Climate change issues are cross cutting across all other activities of the project

Project location: 4 agricultural production basins in the North West Region.



No.	Domain of addressing climate change in Grass Field Project	Key climate change mitigation aspects/activities/strategies	
1	Sensitization and awareness creation (adaptation & mitigation strategies)	<ul style="list-style-type: none"> Sensitization of climate change on: negations, adaptation and mitigations, environmental laws etc and the target audience include: Fons (traditional authorities, mayors in all the 4 basins baptized: "Operation Green Fondoms", aimed at sacred forest restoration), protection of water/spring sources to fight against dry out of water in communities 	
2	Rural Roads	<ul style="list-style-type: none"> Sensitization on environmental safety, Mitigation measures (revegetation of borrowed pits, soil & embankment stabilization using various plants that hold the soil in tack, prevention of landslide etc 	
3	Social infrastructures (schools, warehouses, Rice hauling machine installations, community halls, cocoa dryers etc)	<ul style="list-style-type: none"> Site location (zone of no risk) Wastes disposal systems Mitigation measures Modern cocoa dryers and possibility of solar driers 	
4	Agricultural activities (Rice, oil palm, potatoes, vegetables, etc)	<ul style="list-style-type: none"> Improve or high yielding quality seeds resist environmental adverse effects thus climate change adaptation and mitigation Training and follow up of farm homologated agro-chemicals with farmers through para-state organizations such as Upper Noun Valley Development Authority, Ministry of Agriculture and Rural Development, (MINADER) Training of women's group on the domestication of fruit trees/agroforestry in partnership with NGOs and civil society organizations 	

		<ul style="list-style-type: none"> • Provision of irrigation facilities for gardeners of Santa/Tubah for off season cropping • Support the practice of paddock manure systems at Sabga, Sabanjuawara, menchum in partnership with GEF/SGP support. • Diversification of agricultural practices within the production basins is a bit to minimize climate change negations. • Train farmers on best farming methods via PA with MINADER 	
5	Livestock (cattle,goat/sheep)	<ul style="list-style-type: none"> • Development of pasture seeds bank (bracheria, desmodium, stylosanthes, quatamela with Mbororo communities • This reduces transhumance and conflict on land and resources • Reduces land degradation 	
6	Watershed resources	<ul style="list-style-type: none"> • Protection of watershed via replacement of Eucalyptus from watersheds with water loving plants like Prunus, raffia palm, caliandra spp, some fruit trees, and other leguminous spp. • Formation of active water management committees. • Support the activities of beekeeping in all watersheds as incentive to committee members (fire tracing is sustainable) • Involvement of Fons/chiefs, Ardo-en, mayors, Village Development Associations, (VDA) local administration etc. • Discouraging bush burning at waterheds 	
7	Energy resources	<ul style="list-style-type: none"> • Training of beneficiaries on improve firesides • Train and support some selected secondary boarding schools with giant improve fireside to reduce deforestation • In partnership with some municipality encourage energy 	

		efficiency via biogas development, solar and wind energy	
8	Environmental monitoring and control	<ul style="list-style-type: none"> • Environmental policy document 	



Biogas



Wind turbines and solar panels to generate electricity

Government Intervention on climate change concerns in the NWR

	Forestry resources	<ul style="list-style-type: none"> • Protection of forestry products/wildlife through Ministry of Forests and Wildlife, (MINFOF) • Support local communities with minimal budget to carry our afforestation and forest regeneration in their community forest (MINFOF) • Support councils to plant trees in degraded sites in the municipality
	Agriculture	<ul style="list-style-type: none"> • Training on best farming practices • Provision of improve basic seed to farmers through Institute of Agricultural Research for Development, (IRAD) and high yielding seeds through the Ministry of Agriculture and Rural Development, and the Ministry of Livestock and Animal Industries, to farmers.
	Water resources	<ul style="list-style-type: none"> • Protection of water sources within the framework of some development government projects and programs