

Bekwai Municipal Assembly

As part of the National Adaptation Plan (NAP) process, sub-national governments are developing plans to respond to the impacts of climate change. Bekwai Municipal Assembly is pleased to present an overview of our key vulnerabilities and priority areas for building adaptive capacity and resilience.

Bekwai's Key Characteristics

Ecological zone	Semi-deciduous forest		
Urban population	48,734		
Rural population	89,233		
Economic activities	 crop farming – maize, cassava, plantain, cocoyam, cocoa, and palm oil 		
	 livestock keeping – poultry, cattle, sheep, and goats 		
	 aquaculture 		

Main Climate Hazards



Rainfall variability



Forest fires



Water scarcity



Windstorms



Flooding

Key Climate-Sensitive Sectors



Agriculture

Destruction of staple crops



Forestry

Reduced industry in timber, non-timber forest products, ecotourism



Health

Human and animal health



Damage to road networks and public transport, education infrastructure



Wholesaling, electronic repairing, telecommunication services, other local businesses



Water resources

Reduced availability of drinking water, rivers and streams, groundwater system

Established Vulnerabilities

Sector	Exposure	Sensitivity	Adaptive capacity	Climate change vulnerabilities
Agriculture	0.45	0.62	0.35	-0.07
Water, health, and sanitation	0.45	O.52	0.29	-0.06
Forest (biodiversity and ecosystems)	0.45	0.41	0.38	-0.20
Infrastructure and transportation	0.45	0.30	0.35	-0.21
Services, trade, and finance	0.45	0.23	0.33	-0.23

Exposure is the likelihood of being affected by climate hazards. Sensitivity is the amount that climate hazards affect a population. Adaptive capacity is the ability of households to anticipate, absorb, and adapt to climate hazards.

Shaded indicates areas of greater concern.

Suggested Adaptation Options



Enhance climate information services



Implement modern irrigation systems



Develop crop insurance programs



Promote rainwater harvesting



Implement smart agriculture and conservation practices



Enhance climate education and sensitization



Promote afforestation and conservation of existing forests















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