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MALI-FOLKEC

BIOFUEL POTENTIEL

Potential Biomass Mali has:

(i) in terms of fuelwood:

33 million hectares with a standing volume of 520 million m3

(ii) several million tonnes of agricultural waste and vegetable waste,

(iii) **2.4 million litters** of alcohol since 1999/year

(iv) approximately **2000 hectares** of jatropha plantations in extension for the production of biofuel.















		MALI-FOLKECENTER		
Principles	Criteria	Indicators		
GHG Emission réductions	1.Contribute to the reduction of GHG emissions: CQ benefits should be at least 35% for the biofuel in question (with a target of 50% for the entire chain of production and distribution)	Documented procedures for the mass balance system for sustainable biomass		
		Characteristics of GHG for each type of biomass (with authorized default values)		
		3 Means of announcing suppliers declared sustainable		
		$\ensuremath{4}\xspace$ Mass balance procedures : recording inputs, conversion factors and durability		
		5 Recording the origin of the biomass characteristics GHG		
Agro-environmental practice	2.Contribute to the reduction of GHG emissions: CO_2 benefits should be at least 35% for the biofuel in question (with a target of 50% for the entire chain of production and distribution)	6 - Statement signed by the suppliers to comply with good agricultural practices		
		7 - Documentation rely on farming practices implemented for the production of biofuels		
Land with high value in terms of biodiversity	3. The public areas of the Government of Mali, biodiversity reserves and grazing areas shall not be used for biofuel production	 8- Information on the implementation of the Cartagena Protocol on Biodiversity 9- Method of reporting where providers indicate that biofuels do not come from lands of high biodiversity value in 2010 10 - Official recording of land identified as having high biodiversity value 		
	 The production of biofuels must not compete with food production 	11- Satellite images, maps official primary forest and other land that has been wooded for more than 2 years 12- Maps & records of areas of nature reserves, endangered species, or recognised by the IUCN 13- Analysis of econometric model or simulation-based foodstuffs trade 14- Information available on the evolution of prices of basic commodities in the local market		

Principles	Criteria	Indicators	
Land with a high carbon stock	5.The production of biomass for biofuels is prohibited on land with high carbon stocks	 15- Existence of records of land previously identified as having a large stock of carbon 16- Accessibility of these records and official documents to independent auditors 17- Official map of continuously forested areas with an area of more than 1 hectare (according to the definition made of forests in Mali) 18- Maps and official list of wetlands 19- Location of biofuel producers 	
Socio-economic sustainability	 6.Biofuel production shall contribute to socio-economic development through improved services and energy infrastructure 7.The production of biofuels must be in compliance with human rights and children's rights 8.Take into account the gender aspect in the production of biofuels 9.Biofuel operations shall respect the land rights and their uses 	20- Information or inquiries on the level of improvement of roads and other infrastructure 21- Information or inquiries about the level of improved basic energy services 22- List of employees of suppliers of biofuels used 23- Analysis of statistical data on the use of vulnerable groups in the field of production and biofuel processing 24- Information and investigations on the composition of local biofuel project teams 25- Analysis & monitoring data for the different types of land tenure 26- Assignment of available land by the controlling entity 27- Investigations or information on the reasons for any population displacement related to the installation of biofuel projects	
Protection of soil, water and air	10.The impact of biofuels on the environment (water resources, soil and biodiversity) must be known 11.Biofuel production should comply with regulatory requirements of the country and all international treaties to which Mali is a signatory	 28-Information on measures to protect soil, water and air by suppliers during the production and processing of biofuels 29-List of international treaties to which Mali is a signatory 30- Form for suppliers to express engagement to comply with the various treaties 	









