



Clean Development Mechanism

Sustainable Development Co-benefits Description Report¹

CDM project activity information	
Title	Reforestation of grazing Lands in Santo Domingo, Argentina
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Host Party	Argentina

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Overview of sustainable development co-benefits

A. The extent of environmental co-benefits:

		N/A	Partly	Slightly	Highly
Air	Reducing Sox			•	
	Reducing Nox			•	
	Reducing Fly ash			•	
	Reducing suspended particulate matter (SPM)		•		
	Reducing Non Methane Volatile Organic Compounds (NMVOCs)			•	
	Reducing Noise Pollution	•			
	Reducing Odors	•			
	Reducing Dust		•		
	Other air quality improvements	•			
	Preventing end of life products/equipment (solid waste)	•			
Land	Producing/using compost				•
	Producing/using manure, mineral fertilizer or other soil nutrients				•
	Irrigation	•			
	Preventing soil erosion				•
	Minimum tillage				•
	Other means to improve land quality	•			
	Improving management/control of wastewater	•			
Water	Saving/conserving of water				•
	Improving reliability/accessibility of water supply		•		
	Purification/cleaner water supply		•		
	Improving ecological state of water bodies		•		
	Other means to improve water	•			
	Protecting mineral resources	•			
Natural Resources	Protecting/enhancing plant life				•
	Protecting/enhancing species diversity				•
	Protecting/enhancing forests				•
	Protecting/enhancing other depletable natural resources	•			

B. The extent of social co-benefits:

		N/A	Partly	Slightly	Highly
Jobs	New long-term jobs				•
	New short-term jobs				•
	New sources of income generation		•		
	Other employment opportunities	•			
Health & Safety	Disease prevention		•		
	Reducing accidents		•		
	Reducing crime	•			
	Preserving food	•			
	Reducing health damaging indoor air pollution	•			
	Enhancing health services	•			
	Improving sanitation and waste management			•	
	Other health and safety improvement	•			



Education	Job-related training			•
	Enhanced educational services	•		
	Project-related knowledge dissemination		•	
	Other educational benefits	•		
Welfare	Improving working conditions			•
	Community or rural advancement			•
	Poverty alleviation (more people above poverty level)	•		
	Improving wealth distribution/generation of income and assets			•
	Increased municipal revenues			•
	Optimized women's empowerment	•		
	Reduced traffic congestion	•		
	Other welfare benefits	•		

C. The extent of economic co-benefits:

		N/A	Partly	Slightly	Highly
Growth	New investments			•	
	New industrial/commercial activities			•	
	New infrastructure	•			
	Enhancement of productivity	•			
	Reduction of production costs (services)	•			
	New business opportunities				•
	Other economic benefits	•			
Energy	Improvement in supply of energy	•			
	Access to energy	•			
	Affordability and/or reliability of energy	•			
	Other energy improvements	•			
Technology	Introducing/developing/diffusing imported technology		•		
	Introducing/developing/diffusing local technology		•		
	Adaptation of new technologies to local circumstances		•		
	Know-how activities for a technology	•			
	Other technological benefits	•			
Balance of payments	Reduction of foreign dependency	•			
	Other macro-economic benefits	•			

D. Further information:

	N/A	Partly	Slightly	Highly
	•			



Detailed description

A. Environmental co-benefits

All available environmental co-benefits are described.

	Indicator	Specification	Extent
Air	The CDM project activity improves air quality by reducing air pollutants as follows:		
	SOx	<i>Reforestation of the land avoids air emissions from cattle grazing (dust) and from usual burning related to cattle farming</i>	Slightly
	NOx	<i>Reforestation of the land avoids air emissions from cattle grazing (dust) and from usual burning related to cattle farming</i>	Slightly
	Fly ash emissions	<i>Reforestation of the land avoids air emissions from cattle grazing (dust) and from usual burning related to cattle farming</i>	Slightly
	SPM	<i>Reforestation of the land avoids air emissions from cattle grazing (dust) and from usual burning related to cattle farming</i>	Partly
	NMVOCs	<i>Reforestation of the land avoids air emissions from cattle grazing (dust) and from usual burning related to cattle farming</i>	Slightly
	Noise		N/A
	Odors		N/A
	Dust	<i>Reforestation of the land avoids air emissions from cattle grazing (dust) and from usual burning related to cattle farming</i>	Partly
	Other air quality improvements		N/A
Land	The CDM project activity improves the soil quality and/or avoid soil pollution, waste disposal as follows:		
	Pollution prevention		N/A
	Compost	<i>The afforestation creates a higher quality of soils from leaves and remains of the trees. This increases carbon content in the soils</i>	Highly
	Manure, mineral fertilizer or other soil nutrients?	<i>The afforestation creates a higher quality of soils from leaves and remains of the trees. This increases carbon content in the soils</i>	Highly
	Irrigation	<i>No irrigation is conducted on the afforestations</i>	N/A
	Soil erosion	<i>Soil erosion is strongly reduced by the tree coverage of the land</i>	Highly
	Tillage	<i>No tillage is conducted in the afforestations</i>	Highly
Water	The CDM project activity improves the quality of water and access to water as follows:		
	Waste water	<i>No waste water is generated in the forest operation</i>	N/A
	Conservation of water	<i>A natural afforestation with native species of trees is highly beneficial for the water conservation</i>	Highly
	Distribution	<i>Water supply is all natural</i>	Partly



	Purification or a cleaner supply	<i>Water from soils is improved by the natural tree coverage</i>	Partly
	Water bodies	<i>Water from soils is improved by the natural tree coverage</i>	Partly
	Other means		N/A
Natural Resources	The CDM project activity protects or enhance depletable natural resources as follows:		
	Mineral resources		N/A
	Plant life	<i>Plant habitat is strongly improved through the plantation of native species in a mixed forest</i>	Highly
	Species diversity	<i>Fauna and its diversity are strongly improved through the plantation of native species in a mixed forest</i>	Highly
	Forests	<i>The plantation uses a mix of native tree species which are naturally occurring in the area.</i>	Highly
	Other depletable natural resources		N/A

B. Social co-benefits

All available social co-benefits are described.

	Indicator	Specification	Extent
Jobs	The CDM project activity creates new job opportunities including income generation as follows:		
	New long term jobs	<i>The project is considered as a profitable wood product business, thus creating various types of jobs for forest management, forest operation, wood processing in the longrun</i> New long-term jobs > 1 year - 20	Highly
	New short term jobs	<i>Jobs created in the short term are forest plantation, maintenance and consulting work for monitoring, carbon management and environmental/social impact assessment</i> New short-term jobs < 1 year - 10	Highly
	Income generation	<i>new sources of income locally are consulting, carbon management, wood processing and environmental management</i>	Partly
	Other employment opportunities		N/A
Health & safety	The CDM results in health and safety improvements as follows:		
	Reduction of diseases, disease prevention	<i>The site is FSC certified, which has a high standard on care for employees and contractors</i>	Partly
	Reduction of accidents	<i>The site is FSC certified, which has a high standard on care for employees and contractors</i>	Partly
	Reduction of crime		N/A
	Preservation of food		N/A
	Reducing health damaging indoor air pollution		N/A
	Enhancement of health services		N/A
Education	Improved sanitation and waste management	<i>The site is FSC certified, which has a high standard on care for the environment</i>	Slightly
	The CDM project activity facilitates education, dissemination of information, research or increases awareness as follows:		
	Job related training	<i>All job holders related to the project are feasibly trained. This is a requirement of the FSC certification</i>	Slightly



	Enhanced educational services		N/A
	Project related knowledge dissemination	<i>The project is highly innovative in many aspects, e.g. the selection of species, the type of plantation, the maintenance and carbon aspects. All these aspects are disseminated to local and national stakeholders</i>	Partly
	Other educational benefits		N/A
Welfare	The CDM project activity improves local living and working conditions as follows:		
	Improvement of working conditions	<i>The project creates jobs and therefor is a source of income to local communities</i>	Slightly
	Community or rural upliftment	<i>The project creates jobs and therefor is a source of income to local communities</i>	Slightly
	Poverty alleviation		N/A
	Changes in distribution and/or generation of income and assets	<i>The project creates jobs and therefor is a source of income to local communities</i>	Slightly
	Increased municipal revenues	<i>The project creates jobs and therefor is a source of income to local communities</i>	Slightly
	Empowerment of women		N/A
	Reduced traffic congestion		N/A
	Other welfare benefits		N/A

C. Economic co-benefits

No co-benefits related to energy, balance of payments are described.

	Indicator	Specification	Extent
Growth	The CDM project activity supports economic development and/or stability as follows:		
	New investments	<i>The projects is designed as a business case for successful forest management and hard wood product generation</i>	Slightly
	New industrial/comercial activities	<i>The projects is designed as a business case for successful forest management and hard wood product generation, which are not common in the area</i>	Slightly
	New infrastructure		N/A
	Enhancement of productivity		N/A
	Reduction of production costs (services)		N/A
	New business opportunities	<i>The projects is designed as a business case for successful forest management and hard wood product generation</i>	Highly
	Other economic benefits		N/A
Technology transfer	The CDM project activity results in a change in technology as follows:		
	New imported technology	<i>Technology of carbon management and offsetting by sequestration is new to the area and to Argentina</i>	Partly
	New local technology	<i>The type of afforestation with native species and mixed afforestation is new technology for the area.</i>	Partly
	Adaptation of new viable technologies	<i>The type of afforestation with native species and mixed afforestation is new technology for the area.</i>	Partly
	Know-how activities for a technology		N/A
	Other technological benefits		N/A