

## General information

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Project type	PLANTATION	PLANTATION	PLANTATION	CONSERVATION REHABILITATION	CONSERVATION REHABILITATION	CONSERVATION REHABILITATION	CONSERVATION REHABILITATION	CONSERVATION REHABILITATION	CONSERVATION
IMAGE 2.2 region	04 South America (SAM)	04 South America (SAM)	04 South America (SAM)	07 Eastern Africa (EAF)	07 Eastern Africa (EAF)	04 South America (SAM)	04 South America (SAM)	04 South America (SAM)	04 South America (SAM)
bio-climatic zone	mountain (temperate type of climate)	mountain (temperate type of climate)	tropical	tropical	tropical	tropical	tropical	tropical	tropical
forest type	plantation of exotic species (pine), monocultures, even-aged	indigenous even-aged monocultures	natural forest (7000ha) & plantation (2000ha), and ripisylves (1000ha)	high forest: evergreen natural	high forest: natural, semi-deciduous with a dry season	mangrove, alluvial, low-land, submontane, and secondary forest	mangrove, alluvial, low-land, submontane, and secondary forest	mangrove, alluvial, low-land, submontane, and secondary forest	natural forests
area (ha)	18,000 ha	1,500 ha	10,000 ha	8,500 ha	2,700 ha	7,000 ha	12,000 ha	1,000 ha	634,000 ha
rotation length (yr)	20-25 year	NA	40 yr for plantation	NA	NA	NA	NA	NA	NA
method of harvesting (if any)	periodic thinnings / selective logging / some clearfelling	periodic thinnings / selective logging	No commercial harvesting	NA	NA	NA	NA	NA	protection forest (NP)
stage of implementation of the project	started in 1994 and ongoing	started in 1996 and ongoing	started in 1998 and ongoing	started in 1994 and ongoing	started in 1995 and ongoing	started in 2000 and ongoing	started in 2001 and ongoing	started in 2002 and ongoing	started in 1997 and ongoing
principle land use in the region	grazing land with fire regime	grazing land with fire regime	forest management, small-scale farming, grazing land	scattered small scale farming with subsistence farming	scattered small scale farming with subsistence farming and tea plantations	agriculture, small-scale farming carbon sequestration, forest restoration, rehabilitation of degraded pastures, avoiding deforestation, conservation of biodiversity	agriculture, small-scale farming carbon sequestration, forest restoration, rehabilitation of degraded pastures, avoiding deforestation, conservation of biodiversity	agriculture, small-scale farming carbon sequestration, forest restoration, rehabilitation of degraded pastures, avoiding deforestation, conservation of biodiversity	forest management, small-scale farming, grazing land
main objective of the project	carbon sequestration and timber production	carbon sequestration, firewood, and watershed management	research (e.g. flux tower, c sequestration and biodiversity research) and carbon sequestration	carbon sequestration and forest rehabilitation	carbon sequestration and forest rehabilitation	carbon sequestration and forest rehabilitation	carbon sequestration and forest rehabilitation	carbon sequestration and forest rehabilitation	avoiding emissions
land tenure type	community forestry	community forestry	project owned	government owned: national park	government owned: national park	private (owned by project)	private (owned by project)	private (owned by project)	Indemnification to logging companies for expansion
labour / land users	communities	communities	project staff	local project staff and local labour	local project staff and local labour	local project staff, local contractors and local communities	local project staff, local contractors and local communities	local project staff, local contractors and local communities	project staff and local people

## Costs / Benefits

total project costs over the life-time of the project	\$ 8,211,000	\$ 952,000	\$ 11,900,000	\$ 3,927,000	\$ 2,737,000	\$ 13,940,618	\$ 21,042,086	\$ 7,379,229	\$ 10,750,000
total amount of carbon sequestered over the life-time of the project	1,005,000 ton CO2	175,000 ton CO2	costs \$23.80 per ton CO2	2,250,000 ton CO2	850,000 ton CO2	1,598,666 ton CO2	2,493,288 ton CO2	3,849,999 ton CO2	13,200,000 ton CO2
life-time of the project	99 yr	99 yr	40 yrs	99 yr	99 yr	40 yrs	40 yrs	40 yrs	30 yrs
total amount of net carbon sequestered (off-sets or additional carbon)	350,000 ton CO2	65,000 ton CO2		500,000 ton CO2	200,000 ton CO2	55% protection, 45% restoration	55% protection, 45% restoration	55% protection, 45% restoration	
average annual investment in start-up phase	\$200 / ha (start up phase 3 year)	\$200 / ha (start up phase 3 year)		\$216 / ha (start up phase 3 year)	\$216 / ha (start up phase 3 year)	\$ 3,500,000 / yr in total. \$ 500 / ha	\$ 5,000,000 / yr in total. \$ 417 / ha	\$ 1,900,000 / yr in total. \$ 1900 / ha	\$ 1,700,000 / yr for yr 1-5 (incl. setup trust fund) in total. \$ 2,7 / ha
average annual investment after the start-up phase	responsibility transferred to land owner - no more direct costs for project, only income through revenues	responsibility transferred to land owner - no more direct costs for project, only income through revenues		responsibility transferred to land owner - no more direct costs for project, only income through revenues	responsibility transferred to land owner - no more direct costs for project, only income through revenues	\$ 3,500,000 / yr	\$ 3,500,000 / yr	\$ 3,500,000 / yr	\$ 550,000 / yr for yr 2 to date trust fund, private investments, ecotourism
method of financing	due to a 99 year life-time this is not a useful indicator of this project type. Instead the ASC is given below.	due to a 99 year life-time this is not a useful indicator of this project type. Instead the ASC is given below.		due to a 99 year life-time this is not a useful indicator of this project type. Instead the ASC is given below.	due to a 99 year life-time this is not a useful indicator of this project type. Instead the ASC is given below.	endowment fund 5,4 M\$	endowment fund 10 M\$	endowment fund 3 M\$	
annual carbon sequestered gross	85 ton CO2 ASC over life-time project	150 ton CO2 ASC until maturity		300 ton CO2 ASC until maturity (before end of 99 yr)	300 ton CO2 ASC until maturity (before end of 99 yr)	varies per activity: ranges from 1,1 tCO2/ha for primary forest to 12,8 tCO2/ha for reforestation	varies per activity: ranges from 1,1 tCO2/ha for primary forest to 12,8 tCO2/ha for reforestation	varies per activity: ranges from 1,1 tCO2/ha for primary forest to 12,8 tCO2/ha for reforestation	
total amount of net CO2 sequestered (off-sets) per ha									
benefits/revenues/income of project	carbon credits, timber	firewood		none	none	NA	NA	NA	
beneficiaries of income	organisation & community	community		NA	NA	NA	NA	NA	
validation costs	NA	NA		NA	NA	NA	NA	NA	
internal monitoring costs/yr	\$ 78,540 / yr	\$ 78,540 / yr		\$ 69,020 / yr	\$ 69,020 / yr	\$ 12,552 / yr	\$ 22,046 / yr	\$ 5,934 / yr	\$ 145,500 / yr for yr 1-5, \$ 65,000 / yr for yr 2-7
verification/certification costs	\$ 31,178 / yr	\$ 31,178 / yr		\$ 26,180 / yr	\$ 26,180 / yr	NA	NA	NA	
frequency of 3rd party 'interventions'	certification once every 5 years, monitoring by project itself once every 3 years	certification once every 5 years, monitoring by project itself once every 3 years		certification once every 5 years, monitoring by project itself once every 3 years	certification once every 5 years, monitoring by project itself once every 3 years	NA	NA	NA	1x per yr
normal extension, training and education costs of project staff	\$ 17,85 /ha/yr in 1st 3 yrs	\$ 17,85 /ha/yr in 1st 3 yrs		\$ 4,76 /ha/yr in 1st 3 yrs	\$ 4,76 /ha/yr in 1st 3 yrs	\$ 16,000 for entire project	\$ 121,000 for entire project	\$ 30,942 for entire project	\$ 1,350,000 for 1st 10 yrs
marketing costs						NA	\$ 70,000 / yr	NA	
overhead	\$ 115,787 per yr in 1st 3 yrs, thereafter approx. \$ 29,750 / yr	\$ 115,787 per yr in 1st 3 yrs, thereafter approx. \$ 29,750 / yr		\$ 115,787 per yr in 1st 3 yrs, thereafter approx. \$ 29,750 / yr	\$ 115,787 per yr in 1st 3 yrs, thereafter approx. \$ 29,750 / yr	\$ 1,594,662 for entire project	\$ 2,284,220 for entire project	\$ 920,753 for entire project	project management 10-15%, 'legal fees' at start project 1x \$ 500,000 (all reinvested in CC&Biodiv.)