

Project Logical Framework

Project Title: <i>Biodiversity conservation in Amiantos asbestos mine restoration and management</i>	CYPRUS	The EEA and Norway Grants 2009 - 2014
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Strategy of intervention	Indicators	Indicators values		Means of verification	External factors (assumptions/risks)
		Baseline	Target		
Impact	Impact indicators				
Halt Loss of Biodiversity	Improved composition of indigenous plant species used and avoidance of invasive / potentially invasive plant species	16 indigenous species used in sowing	20 indigenous species to be used in sowing (add at least 4 new species)	Project reports and guidelines/list of plants in restoration guide	Adequate evaluation of candidate species
	Standardization of methods used	0 restoration guides	2 restoration guides	The publications	Good coordination among experts
	Implementation of concrete wildlife conservation actions	No policy	Explicit policy statement in restoration guide	The restoration guide	None
Outcomes	Outcome indicators				
1. Increased capacity to manage and monitor Natura 2000 sites effectively.	Number of management plans for Natura 2000 areas created, improved and/or implemented (Mine restoration with improved techniques taking into account nature conservation and wildlife needs.)	0 (0 ha with nature conservation actions)	1 plan (14 ha with only indigenous plant species and wildlife actions)	Maps, photographs and reports	None
2. Increased awareness of and education in biodiversity & ecosystem services incl. awareness of and education	Number of staff trained with improved skills to perform their duties.	0 staff members	15 foresters to participate in four (4) training events	Photographs and reports	Availability and suitability of experts

in the linkage between biodiversity and climate change, and economic valuation of ecosystems.					
3. Bilateral Relations with Institutions in the Donor States Established and Strengthened.	Access to professional and technical skills	0	1	Assessment reports prepared by the Project Promoter	None
Outputs	Indicators	Baseline	Target	Means of verification	Assumptions
1.1 Wildlife conservation actions					
1.1.1: Establishment of artificial bird nests	Number of nests established	0	100	Photos, maps and reports	--
1.1.2: Provision of water points for wildlife	Number of water-points created	0	5	Photos, maps and reports	--
1.1.3: Planting of fruit trees	Number of fruit-producing trees planted	0	150	Photos, maps and reports	---
1.1.4: Sowing of legumes & other herbaceous plants	Area in sq. meters sown	0	2.000	Photos, maps and reports	--
1.1.5: Improvement of bat habitat	Number of abandoned mine houses maintained and protected	1	2	Photos, maps and reports	--
1.1.6: Construction of stonewall	Running meters of stonewall created	0	150	Photos, maps and reports	--
1.2: Creation of water pond					
1.2.1: Creation of the pond	Capacity of pond in cubic meters	0	35.000	Photos, maps and reports	Experienced tenderer

1.2.2: Planting of hygrophilous plants	Number of trees and shrubs planted	0	500	Photos, maps and reports	---
1.2.3: Creation of an artificial islet in the centre of pond	Islets created	0	1	Photos, maps and reports	Experienced tenderer
1.3: Mine restoration					
1.3.1: Reshaping of mine wastes	Area reshaped in sq. meters	0	140.000	Photos, maps and reports	Support by Water Development Department
1.3.2: Covering with topsoil	Cubic meters of topsoil transported and spread	0	70.000	Deliver documents / tender documents / payment vouchers	Availability of topsoil in neighbouring areas
1.3.3: Planting of native trees & shrubs	Number of trees & shrubs planted	0	14.000	Reports / issue certificates from nursery	---
1.3.4: Sowing of native plants	Kg of seeds sown	0	800	Stores certificates / reports	Good seed crops of wild plants
1.3.5: Removal of alien plant species	Number of alien trees removed	0	1.000	Photos, maps and reports	---
1.3.6: Application of hydroseeding	Sq meters of mine hydro-seeded	0	100.000	Photos, maps and reports	---
2.1: Realization of training events					
2.1.1: Training on hydroseeding	Number of staff trained	4	10	Certificate by trainer / photos	Availability of qualified expert
2.1.2: Training on safety measures	Number of staff trained	0	25	List of participants	Availability of expert
2.1.3: Biodiversity workshop	Number of participants	0	22	List of participants	Availability of experts
2.1.4: Training on restoration	Number of staff trained	2	10	Certificate by trainer / photos	Availability of expert
2.2: Publication of guides					
2.2.1: Publication of mine restoration guide	Publication of guide	0	1	The guide	Availability of expert

2.2.2: Production of guide on removal of alien woody species	Availability of guide	0	1	The guide	Availability of expert
2.2.3 Production of a report on hydroseeding	Submission of report	0	1	The report	Availability of expert
2.2.4 Study visit to Norway	Number of visit man-days	0	15	Report by forest officials	Suitable objects / sites of visit
2.3: Improved visitor access and information					
2.3.1: Construction of circular walkway	Running meters of trail	0	600	Photos, maps and reports	--
2.3.2: Paving of road	Sq meters of road paved	0	250	Photos, maps and reports	---
2.3.3: Production of a documentary on the mine and project	Availability of documentary	0	1	The film	---
Activities	Inputs				
1. Preparatory actions and equipment acquisition	Four (4) public procurement procedures - supplies				n/a
2. Evaluation and improvement of current mine restoration techniques/methods and staff capacity building.	Three (3) public procurement procedures – 2 services & 1 work				n/a
3. Landscaping of the mine core	Seven (7) public procurement procedures – 1 services, 3 supplies & 3 works				n/a
4. Wildlife conservation	Two (2) public procurement procedures (p.p.p.) – 1 supplies & 1 work				n/a
5. Mine restoration works	Eight (8) p.p.p – 6 supplies & 2 public works				n/a
6. Publicity	Three (3) p.p.p. – 2 services &				n/a

	1 works			
7. Project operation and management	One (1) p.p.p. - services			n/a