Project Evaluation Series 28/2023

Terminal evaluation of the project "Integrated Land and Agroecosystem Management Systems (ILAMS) for Tonga"

Project code: GCP/TON/001/GFF GEF ID: 5578

Annex 3. Logical framework matrix

Results chain	Indicator	Baseline	Current	Next milestone	Target	Means of verification	Indicator validation
Component 1: Improving the enabling enviror	nment for integrated land and	agroecosystem manage	ment.				
Outcome 1.1: Increased acknowledgement an	d incorporation of integrated	land and agroecosystem	managemen	t principles in n	ational policies, laws, and	regulations	
Output 1: Policy intention papers to inform sectoral policy and planning processes	Number of ILAM Policy Intention Papers cited in sectoral policies, strategies and plans	0 units At least 3 ILAM Policy Intention Papers cited in sectoral policies, strategies and plans	Not yet updated	3 units 31-dec- 2022	3 units At least 3 ILAM Policy Intention Papers cited in sectoral policies, strategies and plans	Review of sectoral policy, strategy and planning documents	Baseline: 0 units (15-Feb- 2017) Target: 3 units (31- Dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 1.1: Review policy and legal frameworks of relevance to creating an enabling environment for the adoption and scaling up of integrated land and agroecosystem approaches							
Activity 1.2: Develop a series of Policy Intention reference papers to inform sectoral policy and planning processes on issues related to integrated land and agroecosystem approaches							
Output 2: National Land Use Policy document	Number of ILAM Policy Intention Papers cited in sectoral policies, strategies and plans	0 units At least 3 ILAM Policy Intention Papers cited in sectoral policies, strategies and plans	Not yet updated	3 units 31-dec- 2022	3 units At least 3 ILAM Policy Intention Papers cited in sectoral policies, strategies and plans	Review of sectoral policy, strategy and planning documents	Baseline: 0 units (15-Feb- 2017) Target: 3 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 2.1: Provide advisory, facilitation and drafting support to Government, in consultation with other key stakeholders, for the production of the National Land Use Policy document							
Outcome 1.2: Reliable information on land ter				ation of sustaina		tionwide	
Output 1: National System of Land Administration enhanced, and operational with spatial functionality of SOLA utilized to recommend allowable land uses, monitor land use changes over time and clarify tenure	Number of 'complete watershed' areas with up to date cadastral maps used for GIS-based applications for land use planning and for monitoring land use changes over time	0 units 4 'complete watershed' areas, , with completed up to date cadastral maps used for GIS-based applications for land use planning and for	Not yet updated	4 units 31-dec- 2022	4 units 4 'complete watershed? areas, , with completed up to date cadastral maps used for GIS-based applications for land use planning and for monitoring	Review of GIS- based applications	Baseline: 0 units (15-Feb- 2017) Target: 4 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided

Indicator	Baseline	Current	Next milestone	Target	Means of	Indicator validation
	monitoring land use			land use changes	10111100001	
Degree of completion of allotment map data capture and quality improvement work	10 % Allotment map data capture and quality improvement work 100% completed.	Not yet updated	100 % 31-dec- 2022	100 % Allotment map data capture and quality improvement work 100% completed.	MLSNR reports	Baseline: 10 % (15-Feb- 2017) Target: 100 % (31- Dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not
Level of in house capacity in MLSNR for data capture and input	0 units By project end MLSNR staff have assumed all responsibility for data capture and input	Not yet updated	1 units 31-dec- 2022	1 units By project end MLSNR staff have assumed all responsibility for data capture and input	MLSNR reports	provided Baseline: 0 units (15-Feb-2017) Target: 1 units (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Capacity of MLSNR to streamline business processes and accept applications and new survey plan data digitally through the internet.	0 units MLSNR is actively accepting applications and new survey plan data digitally through the internet.	Not yet updated	1 units 31-dec- 2022	1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet.	MLSNR reports	Baseline: 0 units (15-Feb- 2017) Target: 1 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Degree of completion of allotment map data capture and quality improvement work Level of in house capacity in MLSNR for data capture and input Capacity of MLSNR to streamline business processes and accept applications and new survey plan data digitally through the internet.	Degree of completion of allotment map data capture and quality improvement work Level of in house capacity in MLSNR for data capture and input Capacity of MLSNR to streamline business processes and accept applications and new survey plan data digitally monitoring land use changes over time 10 % Allotment map data capture and quality improvement work 100% completed. 0 units By project end MLSNR staff have assumed all responsibility for data capture and input 0 units MLSNR is actively accepting applications and new survey plan data digitally	Degree of completion of allotment map data capture and quality improvement work Level of in house capacity in MLSNR for data capture and input Capacity of MLSNR to streamline business processes and accept applications and new survey plan data digitally through the internet. Degree of completion of allotment map data capture and quality improvement work 100% completed. O units By project end MLSNR staff have assumed all responsibility for data capture and input O units MLSNR is actively accepting applications and new survey plan data digitally through the internet. Not yet updated Not yet updated Not yet updated all responsibility for data capture and input At actively accepting applications and new survey plan data digitally through the internet.	Degree of completion of allotment map data capture and quality improvement work 100% completed. Level of in house capacity in MLSNR for data capture and input Capacity of MLSNR to streamline business processes and accept applications and new survey plan data digitally through the internet. Degree of completion of allotment map data capture and quality improvement work 100% completed. Not yet updated 31-dec-2022 1 units at updated 31-dec-2022 1 units of yet updated 31-dec-2022 2022 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet.	Degree of completion of allotment map data capture and quality improvement work 100% completed. Not yet updated 2022 Most acapture and quality improvement work 100% completed. Not yet updated 2022 Most acapture and quality improvement work 100% completed. Not yet updated 2022 Most acapture and quality improvement work 100% completed. Not yet updated 2022 Most acapture and input 1 units By project end MLSNR staff have assumed all responsibility for data capture and input 1 units By project end MLSNR staff have assumed all responsibility for data capture and input 1 units MLSNR staff have assumed all responsibility for data capture and input 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data digitally through the internet. 1 units MLSNR is actively accepting applications and new survey plan data di	monitoring land use changes over time Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and quality improvement work 100% completed. Degree of completion of allotment map data capture and and uality improvement work 100% completed. Degree of completion of allotment map data capture and uality improvement work 100% completed. Degree of completion of allotment map data capture and uality improvement work 100% completed. 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Results chain	Indicator	Baseline	Current	Next	Target	Means of verification	Indicator validation
Output 1: National Strategic Forestry Development Plan developed	Extent of application of National Strategic Forest Development Plan by Central and local government bodies and civil society organizations	0 units Central and local government bodies and civil society organizations have reflected the provisions of the Plan in their own operational plans	Not yet updated	milestone 1 units 31-dec- 2022	1 units Central and local government bodies and civil society organizations have reflected the provisions of the Plan in their own operational plans	Review of operational plans	Baseline: 0 units (15-Feb-2017) Target: 1 units (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 1.1: Analyze and review existing policy, legislative framework and institutional arrangements as related to sustainable forest management							
Activity 1.2: Develop a Strategic Forestry Development Plan to operationalize the Tonga Forest Policy							
Output 2: National Forest Monitoring System (FMS)	Degree to which National Forest Monitoring System (FMS) is utilized in planning	0 units A fully functional FMS is in place and its data outputs are being used in planning by key entities of central and local Government and civil society organizations.	Not yet updated	1 units 31-dec- 2022	1 units A fully functional FMS is in place and its data outputs are being used in planning by key entities of central and local Government and civil society organizations.	Review of FMS Interviews with members of user entities Review of planning documents using FMS data	Baseline: 0 units (15-Feb- 2017) Target: 1 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 2.1: Confirm analysis of existing monitoring and data management capabilities							
Activity 2.2: Provision of technical advisory and equipment support to the design and installation of the monitoring system							
Activity 2.3: Conduct awareness programs and capacity building training in the use of GIS-based applications for planning and monitoring forests							
Component 2: Site-based capacities for eviden							
Outcome 2.1: Capacities for evidence-based ar							
Output 1: Multi-stakeholder mechanisms for the negotiation of resource management and tenure	Frequency of meeting of multi-stakeholder	0 units Multi- stakeholder mechanisms are	Not yet updated	1 units 31-dec- 2022	1 units Multi- stakeholder mechanisms are	Minutes of meetings of multi-	Baseline: 0 units (15-Feb- 2017) Target: 1 units (31- Dec-2022) Milestones:

Results chain	Indicator	Baseline	Current status	Next milestone	Target	Means of verification	Indicator validation
	mechanisms in target locations	active at least twice per year in target locations			active at least twice per year in target locations	stakeholder mechanisms	None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Output 1: Multi-stakeholder mechanisms for the negotiation of resource management and tenure	Representativeness of participation in multi- stakeholder mechanisms in target locations	0 units All key stakeholder groups (commoners and nobles, men and women) participate actively in the mechanisms	Not yet updated	1 units 31-dec- 2022	1 units All key stakeholder groups (commoners and nobles, men and women) participate actively in the mechanisms	Minutes of meetings of multi- stakeholder mechanisms	Baseline: 0 units (15-Feb- 2017) Target: 1 units (31- Dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Percentage of participants in multi-stakeholder mechanisms consider that the mechanism contributes significantly to resolving issues that impede equitable and sustainable approaches to land management	0 %	Not yet updated	80 % 31-dec- 2022	80 %	Questionnaires, interviews and focus groups with participants	Baseline: 0 % (15-Feb-2017) Target: 80 % (31-Dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 1.1: Initial dialogue and participatory diagnostics in target areas							
Activity 1.2: Facilitation of negotiation processes leading to social territorial agreements							
Activity 1.3: Participatory review and systematization of processes in order to define strategies for sustainability of negotiation and planning mechanisms							
Output 2: Negotiated and evidence-based plans for land use and integrated agroecosystem management at landscape and village levels							No Indicator
Activity 2.1: Facilitation of detailed participatory spatial diagnostic and mapping exercises of target communities							
Activity 2.2: Collection, organization and presentation to target communities of							

Results chain	Indicator	Baseline	Current	Next	Target	Means of verification	Indicator validation
information on technical- and tenure-related			status	milestone		verification	
variables held in the SOLA and other sources							
Activity 2.3: Facilitation of participatory development of plans							
Activity 2.4: Formulation, validation and							
dissemination of plan documents	5 (: :::)	0 ': 0 :: 1	N	4 1	4 ': 0 :: 1	D . (B 1: 0 : 45.5.1
Output 3: Eua Watershed Area Management Plan developed, and implemented	Degree of initial implementation of 'Eua Watershed Management Plan (WMP)	O units Operational plan developed for the implementation of the 'Eua WMP over at least the project period, and corresponding activities implemented in accordance with the plan.	Not yet updated	1 units 31-dec- 2022	1 units Operational plan developed for the implementation of the ?Eua WMP over at least the project period, and corresponding activities implemented in accordance with the plan.	Review of operational plan Interviews with entities and communities involved in plan implementation	Baseline: 0 units (15-Feb- 2017) Target: 1 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Output 3: Eua Watershed Area Management Plan developed, and implemented	Effectiveness of the Plan in reducing encroachment on forests in the watershed	75 units No new instances of clearance of forests in the watershed for agriculture	Not yet updated	0 units 31-dec- 2022	0 units No new instances of clearance of forests in the watershed for agriculture	Interviews with community members, direct observations	Baseline: 75 units (15-Feb- 2017) Target: 0 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 3.1: Carry out key technical							
assessments on water stocks, water flows							
and watershed activities, for the							
development of the ?Eua Watershed Area							
Management Plan							
Activity 3.2: Carry out community consultations based on baseline information & complete the development of a ?Eua Watershed Area Management Plan, linked to							
the ILAMPs in village communities below the							
forest areas							
Activity 3.3: Implement key priorities							
identified in the ?Eua Watershed Area							
Management Plan, focusing on forest							
rehabilitation and replanting of trees in							
degraded areas							
Component 3: Strengthening of capacities for	the formulation and implemen	ntation of sustainable la	nd managem	ent practices wi	th an integrated R2R app	roach	

Results chain	Indicator	Baseline	Current	Next milestone	Target	Means of verification	Indicator validation
Outcome 3.1: Increased capacities in Governm	ent institutions and NGOs for	identifying and supporti			ement practices	verincation	
Output 1: Training modules for extension agents	Numbers of staff members in Government institutions and NGOs who have received effective training through the modules	O units 20 members of Government institutions and 28 members of NGOs have received training through the modules and show improved knowledge, attitudes and practices (KAP) as a result	Not yet updated	48 units 31-dec- 2022	48 units 20 members of Government institutions and 28 members of NGOs have received training through the modules and show improved knowledge, attitudes and practices (KAP) as a result	Records of training events, KAP surveys.	Baseline: 0 units (15-Feb- 2017) Target: 48 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 1.1: Detailed analysis of capacity development needs							
Activity 1.2: Design and development of training modules and materials							
Activity 1.3: Realization of training sessions							
Activity 1.4: Follow-up evaluations and ongoing on the job support							
Output 2: Manuals for use by extension agents	Number of members in Government institutions and NGOs making regular use of the training manuals	0 units 20 members of Government institutions and 28 members of NGOs report using the training manuals as regular guides for their work.	Not yet updated	48 units 31-dec- 2022	48 units 20 members of Government institutions and 28 members of NGOs report using the training manuals as regular guides for their work.	Staff interviews.	Baseline: 0 units (15-Feb- 2017) Target: 48 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 2.1: Review of existing materials, and discussion of needs, content and format of materials with extension agents and community members							
Activity 2.2: Drafting, design and publication of materials							
Activity 2.3: Participatory validation of materials with extension agents and target communities.							
Outcome 3.2: Increased capacities in local com					T		
Output 1: Demonstration modules for integrated agroecosystem management systems	Number of tax allotments ('api tukuhau) in target localities on which integrated agroecosystem	0 units 225 'api tukuhau covering 750ha, with at least 30 'api tukuhau	Not yet updated	255 units 31-dec- 2022	255 units 225 'api tukuhau covering 750ha, with at least 30 'api tukuhau	Direct inspections of target localities	Baseline: 0 units (15-Feb- 2017) Target: 255 units (31- dec-2022) Milestones: None Provided Indicator Status:

Results chain	Indicator	Baseline	Current	Next milestone	Target	Means of verification	Indicator validation
	management practices are applied	covering100ha in each of the target localities			covering100ha in each of the target localities		No progress provided No Milestones and Indicator progress not provided
Output 1: Demonstration modules for integrated agroecosystem management systems	Reduction in the amounts of firewood collected from vulnerable forest areas (in the target localities where such forest areas exist).	0 % 75% reduction over baseline levels	Not yet updated	75 % 31-dec- 2022	75% reduction over baseline levels	Interviews, questionnaires or focus groups	Baseline: 0 % (15-Feb-2017) Target: 75 % (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 1.1: Confirmation of nature and specific locations of proposed demonstrations, in discussion with extension agents and local communities							
Activity 1.2: Design of demonstrations, with local participation and specialist technical inputs, including technical specifications (as needed), work plans and investment/procurement plans							
Activity 1.3: Establishment of demonstrations with full local participation							
Activity 1.4: Production of materials and plans for interpretation, systematization and dissemination							
Output 2: Farmer field schools for participatory problem analysis and development of Sustainable Land Management practices							No Indicator
Activity 2.1: Participatory planning of FFS, including expressions of interest in participation by diverse community members							
Activity 2.2: Facilitation of FFS, including provision of materials and equipment as needed							
Activity 2.3: Facilitation of participatory systematization of results of FFS							
Output 3: Extension modules applied in target communities	Percentage increase in water harvesting and storage capacity in target communities (m3/month).	0 % At least 50% increase in water storage capacity in whole area where	Not yet updated	50 % 31-dec- 2022	50 % At least 50% increase in water storage capacity in whole area where	Household surveys, focus groups and	Baseline: 0 % (15-Feb-2017) Target: 50 % (31-dec-2022) Milestones: None Provided Indicator Status: No

Results chain	Indicator	Baseline	Current status	Next milestone	Target	Means of verification	Indicator validation
		piggeries and intercropping systems will be covered under each ILAMP.			piggeries and intercropping systems will be covered under each ILAMP.	field inspections	progress provided No Milestones and Indicator progress not provided
	Availability of water to local communities in target localities	0 units No net reduction in water availability for domestic uses in pilot communities, despite the establishment of piggeries.	Not yet updated	1 units 31-dec- 2022	1 units No net reduction in water availability for domestic uses in pilot communities, despite the establishment of piggeries.	Household surveys and focus groups	Baseline: 0 units (15-Feb- 2017) Target: 1 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Percentage reduction in crop damage and loss from roaming pigs in pilot communities and demonstration sites.	0 % On average farmers in the pilot communities report a 75% reduction in the areas of crops damaged by roaming pigs. The total area benefitting from reduced degradation over the life of the project will be 245ha.	Not yet updated	75 % 31-dec- 2022	75 % On average farmers in the pilot communities report a 75% reduction in the areas of crops damaged by roaming pigs. The total area benefitting from reduced degradation over the life of the project will be 245ha.	Household surveys, focus groups and field inspections	Baseline: 0 % (15-Feb-2017) Target: 75 % (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Numbers of farmers in target localities with increased crop yields	0 units 30 farmers in each target locality with 15% increases in crop yields over 100ha.	Not yet updated	30 units 31-dec- 2022	30 units 30 farmers in each target locality with 15% increases in crop yields over 100ha.	Household surveys, focus groups and field inspections	Baseline: 0 units (15-Feb- 2017) Target: 30 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Numbers of farmers in target localities who report an increase of at least 20% in the numbers of established (live after 1 year) trees on their farms	0 units 225 farmers report an increase of at least 20% in the numbers of established (live	Not yet updated	225 units 31-dec- 2022	225 units 225 farmers report an increase of at least 20% in the numbers of established (live	Farmer interviews corroborated by selective ground truthing	Baseline: 0 units (15-Feb- 2017) Target: 225 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No

Results chain	Indicator	Baseline	Current status	Next milestone	Target	Means of verification	Indicator validation
		after 1 year) trees on their farms			after 1 year) trees on their farms		Milestones and Indicator progress not provided
	Avoidance of CH4 emissions as a result of the use of piggery waste as biogas fuel	0 247tCO2eq/year (988t total by project end)	Not yet updated	988 31-dec- 2022	988 247tCO2eq/year (988t total by project end)	Inspections of numbers of pigs managed, biodigester volumes and effectiveness, and numbers of households using biogas as fuel	Baseline: 0 (15-Feb-2017) Target: 988 (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Numbers of households benefiting from biogas produced from piggery biodigesters	0 units 130, with a corresponding 14% reduction in the amounts of bottled gas used	Not yet updated	130 units 31-dec- 2022	130 units 130, with a corresponding 14% reduction in the amounts of bottled gas used	Household interviews/ questionnaires	Baseline: 0 units (15-Feb- 2017) Target: 130 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Numbers of people in target villages where pig management practices have been modified who report no reduction in their abilities to meet social and cultural obligations	0 % 100% of interviewees in villages where pig management practices have been modified report that there has been no reduction in their abilities to meet social and cultural obligations	Not yet updated	100 % 31-dec- 2022	100 % 100% of interviewees in villages where pig management practices have been modified report that there has been no reduction in their abilities to meet social and cultural obligations	Participatory retrospective time line exercises with community members	Baseline: 0 % (15-Feb-2017) Target: 100 % (31-dec- 2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 3.1: Participatory identification and characterization of target audience, and analysis of capacity development needs							
Activity 3.2: Design of training modules with participation of extension agents and community members							
Activity 3.3: Delivery of training modules, following initial validation and adjustment as needed							
Activity 3.4: Participatory monitoring of training effectiveness							

Results chain	Indicator	Baseline	Current	Next	Target	Means of	Indicator validation
			status	milestone		verification	
Outcome 3.3: Increased capacities for the form		of forest restoration plan	s, and for sup		ed management of fore	sts, mangroves, and	
Output 1: Operational plans for forest restoration, including mangroves, formulated and implemented	Area of agricultural land returned to forest use in the target localities (where land managers express intention to maintain the area under forest and there are at least XX trees/ha already present alive after 1 year)	0 ha	Not yet updated	100 ha 31-dec- 2022	100 ha	Interviews with land managers, and selective surveys	Baseline: 0 ha (15-Feb- 2017) Target: 100 ha (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 1.1: Identify priority forest areas for rehabilitation and management in the National Strategic Forestry Development Plan							
Activity 1.2: Develop operational plans for priority areas in the National Strategic Forestry Development Plan							
Activity 1.3: Implement key priorities for forest rehabilitation							
Activity 1.4: Identify priority areas of mangrove forests under most threat from upstream agricultural activities							
Activity 1.5: Develop operational plans for protection and rehabilitation of priority areas of mangrove forests, excluding Fanga?uta lagoon							
Output 2: Systematization of traditional tree management systems							No Indicator
Activity 2.1: Participatory discussion and design of systematization methods							
Activity 2.2: Community-level exercises and farm visits for participatory systematization of tree management systems							
Activity 2.3: Facilitation of participatory documentation of systems							
Activity 2.4: Participatory feedback, validation and discussion of implications of results of systematization							
Output 3: Sustainable Forestry Management Agreements	Area in target localities covered by operational plans and Sustainable	0 ha Forestry Division and communities	Not yet updated	150 ha 31-dec- 2022	150 ha Forestry Division and communities	Review of plans and SFMAs, interviews with	Baseline: 0 ha (15-Feb- 2017) Target: 150 ha (31- dec-2022) Milestones: None

Results chain	Indicator	Baseline	Current status	Next milestone	Target	Means of verification	Indicator validation
	Forest Management Agreements (SFMAs) that are under effective implementation	concerned agree that the provisions of operational plans and SFMAs covering 150ha are being met			concerned agree that the provisions of operational plans and SFMAs covering 150ha are being met	Forestry Division staff and community members	Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 3.1: Facilitation of participatory diagnostics of needs for improving tree management and characterization of farmers? Needs for trees and their products, analysis of current difficulties in satisfying Activity 3.2: Negotiation of terms of SFMAs,							
Activity 3.2: Negotiation of terms of SFMAs, and signing of agreements Output 4: Improved mechanisms for supply of tree seed and planting materials	Numbers of tree nurseries nationwide able to meet their seed supply requirements	0 % 80% of tree nurseries nationwide are able to meet at least 90% of their seed supply requirements	Not yet updated	80 % 31-dec- 2022	80% of tree nurseries nationwide are able to meet at least 90% of their seed supply requirements	Forestry Division records based on nursery reports	Baseline: 0 % (15-Feb-2017) Target: 80 % (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Number of tree nurseries nationwide with long term funding needs ensured	0 % 80% of tree nurseries nationwide with long term funding needs ensured (from sources other than short term project- based support)	Not yet updated	80 % 31-dec- 2022	80% of tree nurseries nationwide with long term funding needs ensured (from sources other than short term project-based support)	Interviews with Forestry Division and nursery managers	Baseline: 0% (15-Feb-2017) Target: 80 % (31-dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
Activity 4.1: Participatory review of needs for tree seed and planting materials, linked to the tree management diagnostics under Output 3.3.2							
Activity 4.2: Advisory support to design/improvement of systems for supply of tree seed and planting materials Activity 4.3: Facilitation of the planning of village level nurseries, including organizational and technical aspects and provisions for sustainability							

Results chain	Indicator	Baseline	Current	Next milestone	Target	Means of verification	Indicator validation
Activity 4.4: Support (advice and materials) to the establishment and management of village level nurseries			Status	milestone		Vermedation	
Output 5: Training modules on forest restoration and management, for Forestry Division staff and community members							No Indicator
Activity 5.1: Participatory identification and characterization of target audience, and analysis of capacity development needs							
Activity 5.2: Design of training modules with participation of extension agents and community members							
Activity 5.3: Delivery of training modules, following initial validation and adjustment as needed							
Activity 5.4: Participatory monitoring of training effectiveness							
Component 4: Knowledge Generation and Diss Outcome 4.1: Project implementation is based					and in assument and feature	intonioni	
Output 1: Monitoring and evaluation system established, supporting adaptive project management	on results-based managemen	it and application or less	l learned a	and good practi	ces in current and future	Interventions	No Indicator
Activity 1.1: Develop and implement a project M&E system, including provisions for M&E results to support adaptive management							
Output 2: Mechanisms for effective management and dissemination of knowledge within Tonga and the region	Number of Technical or Policy reports published on MAFFF website and ECC Portal	0 units At least 10 Technical or Policy reports published on MAFFF website and ECC Portal	Not yet updated	10 units 31-dec- 2022	10 units At least 10 Technical or Policy reports published on MAFFF website and ECC Portal	Review of reports	Baseline: 0 units (15-Feb- 2017) Target: 10 units (31- dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided
	Number of ILAMS reports presented at R2R regional meetings or shared with R2R regional networks	0 units At least 2 technical reports presented at R2R regional meetings or disseminated through R2R regional networks	Not yet updated	2 units 31-dec- 2022	2 units At least 2 technical reports presented at R2R regional meetings or disseminated through R2R regional networks	Review of reports	Baseline: 0 units (15-Feb- 2017) Target: 2 units (31- Dec-2022) Milestones: None Provided Indicator Status: No progress provided No Milestones and Indicator progress not provided

Results chain	Indicator	Baseline	Current	Next	Target	Means of	Indicator validation
			status	milestone		verification	
Activity 2.1: Design and establish knowledge							
management and dissemination systems							
Activity 2.2: Develop knowledge and							
communications products for dissemination							
of knowledge, lessons and good practices							
within Tonga and across the Pacific							

Note: Status as at 2 May 2023.

Source: FAO. n.d. FAO Field Programme Management Information System (FPMIS). Rome.



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