



TUVALU COASTAL ADAPTATION PROJECT: QUARTERLY PROGRESS REPORT FOR Q3, 2021

Project Number: FP015

ATLAS Output ID: 00103205

PIMs ID: 5699

RESULTS, FINANCIALS, PLANNED ACTIVITIES¹

Output	Activity	Sub-activity	Indicators	Results	Planned Activities
Output 1: Strengthening of institutions, human resources, awareness, and knowledge for resilient coastal management	1.1 Technical capacity, knowledge and awareness of the Government and community strengthened for coastal monitoring, protection, and maintenance of coastal protection infrastructure Strengthened and improved local capacity and inter-sectoral partnership / coordination in identifying, collecting, and analyzing data in various aspects of coastal vulnerability	1.1.1 Training of DLS coastal monitoring staff in outer islands on the use of survey equipment Agreement with DLS including the frequency of data collection, transfer, and report	Number of trainings organized in the lifetime of the project targeting PWD, DLS, DoE, DLG, CCD and other relevant stakeholders (NGOs, CSO, community workers, etc.)	These activities have been delayed due to Tuvalu State of Emergency (SoE) until November 2021. (PM speech at Independence Day confirmed possible extension of SoE) Board approved DLS as Responsible Party (RP) to allow change in training in sub-activity 1.1.1	These activities have now been planned for Q1 2022, preferably face to face as to integrate training modules with TCAP field studies, assessments, and monitoring. Explore online modalities for some of the training modules in case SoE is extended to 2022 Amend SPC LoA to accommodate training in 2.5 years instead of 3 years (and include online modalities if required) Extend contract with Fugro to allow face to face training on follow up LiDAR survey conducted in 2019. Identify / design EBA potential solutions in the context of Tuvalu (see sub-activities 3.1.4 & 3.2.1)
		1.1.2. Training of Department of Land and Survey (DLS) staff on the synthesis and digitalization of survey data collected from outer islands	Number of technical officers (male/female) trained on: - Use of coastal monitoring survey equipment, data collection and transfer - Monitoring / data synthesis on dynamic coastal processes, - Designing and structural maintenance of coastal protection (both hard and soft) measures,		
		1.1.3. Training of Department of Environment (DoE) staff on environmental and social impact assessment	- Application of EBA coastal protection, - Environmental social impact assessment,		
		1.1.4. Training of Public Works Department (PWD) staff members on the structural maintenance of the GCF Investments	- Project management,		

¹ Describe the key activity results **achieved** during this quarter

	1.1.5. Training of PWD staff, NGOs, and CSOs on the application of Ecosystem Based Approach (EBA) coastal protection	- Vulnerability and Adaptation (V&A) Assessment, - Cost Benefit Analysis (CBA), - Gender mainstreaming / data gender disaggregation		Prepare agreement (LoA) with DLS including the frequency of data collection, transfer, and report and budget. Submit to GCF for DLS as RP (see sub-activities 2.1.4 and 2.2.3)
	1.1.6. Comprehensive training program designed targeting Climate Change Department (CCD) staff	Number of technical officers who passed the end of the course assessment Number of initiatives / applications suggested by trainees based on training course' questionnaire		
	1.1.7. Two regional conferences and/or workshop on coastal protection organized	Number of regional conferences and/or workshops organized on coastal protection Visibility and exposure at conferences and events Project results capitalization, publication and dissemination	ToR and recruitment for 3D rendering TCAP support of GoT reclamation master plan	3D flyover of GoT reclamation master plan under MoF and PWD direction Considering the preparation of a doco on TCAP/GoT coastal protection initiative as an alternative to one workshop (plan + budget + TA if required)
1.2 Long-term national human resource capacity and awareness enhanced for sustainable coastal protection Build and improve technical capacity of Tuvaluans to lead and take ownership in further development, implementation, and sustaining coastal protection measures by the project, as well in the future.	1.2.1. A scholarship program is designed with the Ministry of Education, Youth and Sport (MEYS) Criteria for selecting eligible candidates agreed by the second Project Board meeting	MYES/TCAP scholarship program and budget (LoA) Selection criteria and process	Six (6) students have been selected. One (1) undergraduate student started in 2020 at USP, Fiji. Three (3) masters' students commenced their studies remotely in 2021 (terms 1 and 2), only one (1) remains in term 3 (one due to pregnancy deferral and the other for lack of units available online). Scholarship's recipients planning meetings (see table) conducted to prepare students to short notice travel to Australia before end of the year	All students should commence/resume in 2022 (except one deferred until term 2 2022). All students need to confirm asap: <ul style="list-style-type: none"> • University opened for 2022 • Visa (including medical cover) • Australian travel declaration confirmation (quarantine) Considering increasing the number of units taken by online students in order to complete studies before June 2024
	1.2.2. Scholarship agreement made with at least 6 students	Number of applicants (male/female) for TCAP scholarships Number of students (male/female) that are supported at higher-level studies (tertiary level or higher) on disciplines related to coastal protection work Number of students that have successfully completed their studies		

			Number of students that are employed in CCA-related positions in Tuvalu		
	1.2.3. At least 6 undergraduates are identified and recruited to assist the government in implementing the project and in carrying out coastal vulnerability and environmental and social impact assessment (ESIA)	1.2.4. Contractual agreement signed with the 6 students who are in a master's program relevant for coastal protection	Number of internships CCA-related positions supported	Board approved additional national technical support for TCAP. TORs finalized for: <ul style="list-style-type: none"> Capacity development Safeguards & Works Supervision Nanumea & Nanumaga Community Facilitator(s) 	CO to finalise PMU restructure and modalities for recruitment: <ul style="list-style-type: none"> asap Three months before start of works Three months before start of works Draft ToRs for national/international consultants' support as required: <ul style="list-style-type: none"> ISP compilation analysis and review (DLG) ISP development process review and recommendations (DLG) TSF modalities and process review & recommendations (CDD) Gender specialist Communication specialist Participatory video specialist
	1.2.5. Training of Trainers (ToT) events organized specifically targeting schoolteachers				
	1.2.6. Primary school curriculum modified and approved		Primary school curriculum modified and approved		
Quarter 3 expenditures only					USD\$52,456
Total 2021 Expenditure for Output 1 up to 30 September					USD\$96,757
Output	Activity	Sub-activity	Indicators	Results	Planned Activities
Output 2: Vulnerability of key coastal infrastructure	2.1 Coastal protection sign, site specific assessments, and Environmental and Social	2.1.1. Organization of community consultations to inform the design and ESIA	Island-level coastal assessment reports produced (wave modeling, vulnerability assessments, gender analysis, ESIA's,	Completed	Technical brief on coastal protection options, pros/cons and estimated costs for the central communal areas of Nanumaga

<p>including homes, schools, hospitals, and other assets is reduced against wave induced damages in Funafuti, Nanumea and Nanumaga</p>	Impact Assessment (ESIA) undertaken in all islands in a participatory	2.1.2. Collection of wave, current and sediment data, public consultations and ESIA	etc.) including gender-differentiated impacts of coastal protection surveys, analysis and results shared.	In progress by SPC	Brief update brief by SPC and CTA Technical on inundation maps and reports for all islands in Tuvalu Final reports to be produced by Q1 2022
	Site-specific assessments in all islands of Tuvalu to inform coastal protection options	2.1.3. A national consultation and validation of the findings of the assessment	Number of ESIA and infrastructure design community consultations and validation. Knowledge about gender-differentiated impact of coastal protection.	Completed	ESIA addendum for Nanumea RTB ESIA addendum if dredging required in Nanumea to supply extra sand for foreshore replenishment
		2.1.4. Establishment permanent survey benchmark engaging DLS to carry out surveys	Agreement with DLS to develop 9 island GIS projects in monitoring during and after project including the frequency of data collection, transfer, and report.	Approved by BM#6	NtF to GCF to approve DLS as RP Plan + budget LoA with DLS
	2.2 Coastal protection measures implemented Coastal protection measures installed and monitored in identified sites	2.2.1. Construction of coastal protection infrastructure in Funafuti, Nanumea and Nanumaga covering 3,090 m of vulnerable coastlines and comprising of: i. Reclamation of approximately 7.85 ha (780 x 100 m) for the Fogafale lagoon shore (Funafuti); ii. Berm Top Barrier (BTB) (raised mounds of earth with graded slopes approximately 3m wide at the base and 1 to 1.5 m high at their crest) protecting 665 m and 1,335 m in Nanumaga and Nanumea respectively; iii. Precast concrete unit revetment (190 m in length) in Nanumea; iv. 8 x 25 m hard concrete Reef Top Barriers (RTB) in Nanumea;	The length of vulnerable coastline protected. The area of reclaimed land in Funafuti.	Completed: <ul style="list-style-type: none"> Final designs and ToR for coastal protection measures on Funafuti, Nanumea and Nanumaga DoE Development Application disclosed and approved Approval of final concept designs for Funafuti from GoT and for Nanumea and Nanumaga from Falekaupule and Kaupule RFP: <ul style="list-style-type: none"> Prebid conference Interactive dialogue Funafuti reclamation public notification (AGO): 30/08 and 13/09 GoT tax exemption letter SESP (version 4) ESMP (version 9) SEP (+GRM) (version 4) 	RFP: <ul style="list-style-type: none"> Technical evaluation and scoring: 26th of October (TBC) Financial evaluation and evaluation report Submission to ACP approval Post ACP approval negotiation Contract: January On hold: Sand license (DLS/OPM) <ul style="list-style-type: none"> SEP (+GRM) update (version 5)

	<p>v. The reclamation in Funafuti to be engineered to be well above the anticipated 2,100 sea level rise inundation heights in order to secure the shoreline and permanently prevent wave over topping and erosion hazards.</p>		<ul style="list-style-type: none"> Nanumea and Nanumaga landowners' consultation, coastal measures footprint survey, sand deposit survey, laydown areas, docking facilities, assets reconnaissance survey <p>Prepare all documentation as part of GCF FAA conditions for the 4th Disbursement</p> <p>Nanumaga and Nanumea Kaupules consultations on priority needs to support construction (see table)</p> <p>GRM mechanism advertised (TCAP website + newsletter)</p>	<ul style="list-style-type: none"> Boatowners/users Funafuti reclamation consultation <p>URGENT: Submit all documentation as part of GCF FAA conditions for the 4th Disbursement Request for 4th disbursement of funds</p> <p>Funafuti GoT and Kaupule consultations on priority needs to support construction</p> <p>Once constructor' timeframe is confirmed: additional Kaupules and GoT meetings on priority needs to support and prepare construction works.</p> <p>GRM committee is installed and advertised</p>
	2.2.2. Organization of community consultations for handover of the assets			At end of construction, 2022
	2.2.3. Engaging DLS in monitoring during and after project (see sub-activities 1.1.1 and 2.1.4):	Annual monitoring report	Approved by BM#6	<p>NtF to GCF to approve DLS as RP Plan + budget LoA with DLS</p> <p>To start Q1 2022 (DLS)</p>
Quarter 3 expenditures only				USD\$164,967
Total 2021 Expenditure for Output 2 up to 30 September				USD\$446,455

Output	Activity	Sub-activity	Indicators	Results	Planned Activities
Output 3: A sustainable financing mechanism established for long-term adaptation efforts	3.1 All Islands Strategic Plans and annual budgets of the ISPs, taking into consideration climate change impacts and integrated coastal, land, and marine resource management principles Community members, including men, women, children, and the elderly, empowered to participate in climate resilient planning process of the ISPs, taking into consideration climate change impacts and integrated coastal, land, and marine resource management principles	3.1.1. National ToT workshop organized for incorporating climate change risks, including coastal management, into ISPs targeting Kaupule representatives, minority groups, DLG staff, NGO staff and women 's groups	Number and type of national workshops organized for incorporating CC risks including coastal management into ISPs (for DLG, Kaupules, and NGOs staff)	ToT “mainstreaming CCA” module prepared. ToT "Integrated Kaupule planning & reporting framework" module prepared NtF approved by Board to have DLG as RP (waiting for GCF approval). Draft LoA (including plan + budget). The activity was delayed until GCF approved DLG as an RP to allow implementation of LoA.	ToT planned for Q4, 2021 (DLG)
		3.1.2. Facilitation of outer island workshops to integrate climate risks into the existing ISPs and to produce / enhance annual budgets	Number of island level workshops organised in each island to review the new ISP at the beginning of budget cycle (to integrate CC risks into the existing ISPs and to produce/enhance annual budgets)	All ISPs were completed in 2020 (except Nukufetau completed in April 2021) and all launched in 2021.	The next ISP development cycle will be in 2024
		3.1.3. Compilation, analysis and reporting of all outer island annual budgets	Compilation analysis and report of all outer islands annual budget	DLG is compiling all the annual budgets.	Prepare new DLG LoA (including plan + budget) for DLG compilation analysis report. ToR for national consultant support if required
		3.1.4. Release of performance-based top-up grants	Number and type of adaptation actions financed and implemented from island level plans	TBA	TBA (RBAP discussion with UNCDF timeframe and conditions) Demonstrate / implement EBA solutions (see sub-activities 1.1.5 & 3.2.1) Kaupule training planning inundations vs safe areas (with SPC tools from sub-activity 2.1.2)

	3.1.5. Operational and financial arrangement finalized for community-based disaster early response / recovery support	TBA	Draft NtF for “Adaptive Management” for \$3.3M + \$200K TSF secretariat support (\$200K): NtF approved by Board to have CDD as RP (waiting for GCF approval). Draft LoA (including plan + budget)	TBA TSF secretariat support to start Q1 2022 if Covid19 travel restrictions are lifted.
3.2 Capacity of Kaupules, Falekaupules and community members strengthened for monitoring coastal adaptation investments Community capacities to monitor, evaluate and communicate results and impacts of coastal protection adaptation investments enhanced	3.2.1. Outer island level awareness raising events organized targeting different interest groups about monitoring and maintenance needs of the coastal investments (in the island of Funafuti, Nanumea and Nanumaga) and the needs for EBA for all the islands (following Sub-activities 1.1.5 and 3.1.4)	Number of outer islands awareness events about monitoring and maintenance needs of the coastal investments and the needs for EBA.		Monitoring Promote / propose / demonstrate EBA solutions (see sub-activities 1.1.5 & 3.1.4)
	3.2.2. A national ToT events organized inviting representatives from these interest groups for participatory video	Participants in national ToT on “participatory video” to monitor CA investments and to assess performance of island administration (Kaupule, island community, minority, and women groups, DLG and NGOs staff).		ToR for “participatory video” specialist Plan, prepare and organize national ToT “participatory video” workshop (DLG)
	3.2.3. Technical assistance on the use of community scorecard to assess performance of outer island administrations	Participants in national ToT for the use of “scorecards” (DLG Kaupules and NGOs staff). Evidence of use of scorecards and videos for monitoring coastal adaptation investments (priority Funafuti, Nanumea, Nanumaga).	ToT “Scorecards” module prepared. NtF approved by Board to have DLG as RP (waiting for GCF approval). Draft LoA (including plan + budget) The activity was delayed until GCF approved RP	ToT planned for Q4, 2021 (DLG)
	3.2.4. National level consultations organized to review the process of annual budgeting, monitoring and	Participants in national consultation workshop to review the process of annual budgeting, monitoring and evaluation for coastal protection.		Prepare new DLG LoA (including plan + budget) for consultation review, recommendations and report on ISP

	evaluation for coastal protection	Women's distinct role in the context of island decision making established.		development processes and capacity building Based on last review (2019/20) or next review (due 2022) ? ToR national/international consultant support if required
Quarter 3 Expenditure Only				USD\$0
Total Expenditure for Output 3 up to 30 September				USD\$10,126

Output	Activity	Actions	Results	Planned Activities
Project Management Unit	Knowledge Management and Communication	ARP 2020 M&E PMU training workshop QPR templates	APR 2020 GCF feedback TCAP response M&E system in place: <ul style="list-style-type: none"> • M&E framework • M&E tracking tables: <ul style="list-style-type: none"> ○ Communication ○ Internal events ○ Consultations ○ Trainings ○ Scholarships Newsletter #5 Website and social media postings: Twitter, Facebook, etc.	APR 2021 PMU training workshop: <ul style="list-style-type: none"> ○ M&E tracking ○ QPR4 ○ APR 2021 ○ Activity-based AWP/MYWP 2021 Newsletter #6 Website and social media Billboards: Funafuti, Nanumea and Nanumaga Video clips: upskilling/training options
	Stakeholder Engagement	Consultations SEP (+GRM) (version 4)	Kaupules and GoT final design approval consultations Landowners/users consultations GRM complaint form and register Disclosure of GRM mechanism (website + newsletter)	Boat owners/users consultation in Funafuti Kaupules and GoT consultations at start of work Recruitment TCAP Nanumea and Nanumaga community facilitators Identify community “champions” to demonstrate EBAs SEP (+GRM) update (version 5) Set-up GRM committee (& update ToR) Training GRM committee
	Environmental and Social Safeguards	Updating SESP (+standard 6 for indigenous people) Updating ESMP	SESP update (version 4) ESMP update (version 9)	Risk register update Constructor’s C-ESMP for each island

		SEP (+GRM) see above		Recruitment TCAP Safeguards and Works Supervisor
	Gender Elements			Training staff (current and new positions) in gender mainstreaming and gender data disaggregation Recruitment gender specialist
	Other	<p>PMU roles and responsibilities training</p> <p>Mid-term Evaluation:</p> <ul style="list-style-type: none"> • Report • GCF feedback • Management response <p>GCF OAI Independent Assessment of UNDP management of GCF-supported projects. ISRPE IEP Independent Subregional Programme Evaluation.</p>	<p>PMU team consolidation PCH set up</p> <p>Board meeting #6 approval (Aug 09):</p> <ul style="list-style-type: none"> ○ Update TCAP Logic Framework ○ Revision AWP 2021 of USD1.371M ○ GRM committee ○ DLS as RP ○ PMU technical support recruitment ○ Nanumaga communal area coastal protection brief 	<p>Restructure PMU</p> <p>Update Theory of Change (TOC) Develop sustainability strategy for each Output</p> <p>Brief on technical options, pros/cons and costs for coastal protection of the Nanumaga communal area.</p>
Total Quarter 3 Expenditure				USD\$64,986
Total Expenditure for Output 4 up to 30 September				USD\$211,557
TOTAL EXPENDITURE FOR QUARTER 3, 2021				USD\$282,408
TOTAL EXPENDITURE FOR THE PERIOD UP TO 30 SEPTEMBER 2021				USD\$764,895

QUALITY ASSURANCE

Prepared by Alan Resture

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