

QUARTERLY PROGRESS REPORT QUARTER 2, 2020

PROJECT TITLE: TUVALU COASTAL ADAPTATION PROJECT

PROJECT NUMBER: 00100068

Applicable Output(s) from the SRPD (2018-2022):

ATLAS Output ID: 00103205

PIMs ID Number: 5699

Implementing Partners: UNDP

PART 1: DESCRIBE THE KEY ACTIVITY RESULTS ACHIEVED IN THIS QUARTER:

RESULTS RESOURCE FRAMEWORK QUARTETLY PROGRESS (**In some projects, Outputs in Project Documents are equivalent to Activity Results level in ATLAS)

Please see Table 1 for Q2 reporting details on pages 9-17.

SUMMARY NARRATIVE

Output 1: Strengthening of institutions, human resources, awareness and knowledge for resilient coastal management.

- Negotiations with SPC on providing a comprehensive training package is ongoing. As reported in the 1st quarter, SPC will deliver hands on training in coastal hazards, coastal management and coastal adaptation. This training is essential for the project, as it is one of indicators and targets for Output 1
- Covid19 permitting Fugro and TCAP will schedule their hands-on Lidar training later in the year when border restrictions are lifted enabling travels to Tuvalu.
- The sixth student to be awarded a TCAP scholarship was selected at the end of this quarter. She shall be going a Master of Environmental Law degree in 2021.

Discussions with MEYS on the production of a Scholarships Workplan was carried out in Q2. A similar exercise will happen in Q3.

- <u>Output 2: Vulnerability of key coastal infrastructure including homes, schools, hospitals and other</u> <u>assets is reduced against wave induced damage in Funafuti, Nanumea and Nanumaga.</u>
- PMU Tuvalu staff visited Nanumaga to do consultations with the Nanumaga island community. The purpose of the visit is to get confirmation from the community that they are still in agreement with the Berm Top Barrier (BTB) concept. Secondly, a consensus on the usage of sand materials from the TC Tino deposit for the construction works. This consultation shall be continued into Q3.



- Consultations were undertaken in Nanumea and a letter of consent from the Nanumea Island Chief was given to the project, this agreed to allow the project use sand from the southern end of the island and to construct the Berm Top Barriers (BTB's).
- A Social & Environmental Safeguard Specialist (Philip Hawes) has been selected with his contract spanning from June 2020 to May 2023 (over 500days). This is a key role to coordinate the ESIA and safeguarding processes required under both UNDP and GCF rules of engagement.
- SPC hired two consultants to assist with the production of the ESIA vide a desk review modality/arrangement. The first draft was circulated to TCAP PMU, Coastal Engineer, and Safeguard Specialist for comments.
- Engagement of a Maritime Construction Expert (MCE) had been progressing in a back and forth manner throughout the quarter and engagement is anticipated by early Q3 upon approval from the regional bureau.
- Two IC positions are at the early stages of engagement namely, Project Management Specialist and 3D Visual Designer. Engagements are anticipated by early Q3.
- Procurement meetings with respect to the Civil Construction Works have been held involving procurement advisors from Bangkok as well as HQ. The process on the best way forward was part of the agenda especially the due steps that need to be followed in any major procurement within UNDP.

Output 3: A sustainable financing mechanism established for long-term adaptation efforts

- Contract of the ISP Consultant has been extended to Dec 2020.
- TCAP shared the Due Diligence report (for the Tuvalu Survival Fund) with Government of Tuvalu for their comments. Still awaiting their responses.
- Training for Kaupule staff on Nanumaga was cancelled at this time because staff of the Department of Local Government who were involved with the training went to all the islands to do the induction of Kaupule members, but it is hoped training will recommence in the 3rd Quarter.
- Continued discussions on the disbursement of funds under the Performance Based Grant. To do
 further consultations with UNCDF in Q3 looking into having an MOU with them to facilitate the
 baseline assessment works for the 3 project islands of Funafuti, Nanumea & Nanumaga. Under the
 current COVID19 situation, other alternatives may need to be looked at in view of undertaking the
 baseline assessments.

1. Issues and Challenges

Travel



As reported in Q1, the Covid 19 restrictions are still in force and with the mandatory self-isolation periods being imposed, a single trip (by non-Tuvaluan members of the TCAP project team) could take months. It is impossible to foresee how travel will resume under such conditions. In the meantime, travels to the 2 project islands of Nanumea & Nanumaga will all be undertaken by the Tuvalu PMU team as there is no restriction on that.

With these current Covid 19 restrictions, this issue is beyond Project control.

This has contributed to the delay in;

- The ESIA's for both Nanumea and Nanumaga.
- The finalization of Engineering design on both islands.
- The Performance Based Grant's training on Nanumaga.
- The finalization of Engineering design and ESIA in Funafuti.

Recruitment / Procurement Process

Corporate services processes such as recruitment and procurement remain extraordinarily time consuming, complex and slow and cost the Project dearly in lost time.

- We still have yet to finalize the engage for a Maritime Construction Expert IC as a result of this delay in the procurement process.
- We are hopeful that this would not be repeated with the two impending engagements for the Project Management Specialist and a 3D Visual Designer.

2. Emerging Risks

Covid 19

Without doubt Covid 19 is the most important emerging risk of Q2. The project will incur delay due to the travel restrictions now in force and the full implications are yet to be fully understood and is dependant on the duration of restrictions as the pandemic runs its course. With the re-emergence of a 2nd wave of the COVID19 in Australia, New Zealand and Fiji, it is going to be much harder to anticipate a pronounced return to normal in terms of travels.

ESIA Progress

Whilst SPC acknowledges a poor progress on this task, other areas of the LOA between TCAP and SPC are progressing well. A PMU meeting following the meeting with SPC confirmed that TCAP would pursue a strategy of using the Funafuti PMU with remote support from Suva (TCAP + SPC) to submit the ESIA's in Tuvalu and ensure community consultation obligations and correct processes are followed. The Tuvalu PMU is now confirmed to travel to Nanumaga and Nanumea in July of Q3 to carry out community consultations on the ESIA draft report.



<u>Nanumaga</u>

- I. Nanumaga confirmed to the project that they will not pursue the wave breaker option proposed by Government during the Prime Minister's visit to their island. They would stick to the berm top barrier (BTB) design proposed by TCAP. However, they are now requesting that the project pays for the sand deposited by TC Pam, which would be used to fill the geobags to be used for the BTB
- II. The location for the World Bank-funded Boat Harbour development project in Nanumaga is now going to move to the southern end of the island. This decision by the people of Nanumaga could be the outcome of discussions with TCAP on the significant impact of the boat harbour on the island, should it remain at its current location. The impacts were assessed using LiDAR data

There are other important connections between TCAP and this WB Project in that there is Project (but not yet Kaupule) agreement for TCAP to utilise dredge spoil from the planned WB capital works. The Kaupule has informed the project that should the project wish to utilise this material to construct the BTB's planned for Nanumaga, TCAP would have to pay for this material.

III. Discussions with the Falekaupule and Kaupule on the use of TC Pam sand deposit on the northern end of the island were carried out in the last quarter (May 2020). These had been earlier assessed as appropriate and sufficient to safely use to construct the BTB's on Nanumaga (and Nanumea where permission has been given). For Nanumaga, permission was granted but, the project would need to pay for the sand. The ESIA mission to Nanumaga in Q3 would confirm the cost per cubic metre of sand and report to the Coastal Engineer and CTA for further analysis of the length of the BTB on Nanumaga.

The decision by the Nanumaga Falekaupule may have implication on the length of their BTB, and also some ripple effects on Funafuti and Nanumea interventions. If these island communities hear about this request from Nanumaga to pay for the sand materials, they might also request for the same, which in the end may result in the reduction of the total length of coastline being protected.

PART 2: PLANNED ACTIVITES FOR THIRD QUARTER 2020

To a large extent, activities reported in Table 1 are ongoing unless specifically stated as completed.

Some important headlines on planned activities include;

- (i) Revision of scholarship workplan for MEYS and HRM (Sub-activity 1.2.1). This activity was discussed with MEYS in Q2 and is now also scheduled for the third quarter of 2020.
- (ii) The Safeguard Specialist Philip Hawes is anticipated to work on the following deliverables during his 1st year of engagement:
 - a. Support ESIA process for the 3 project islands of Nanumea, Nanumaga & Funafuti
 - b. Update the SESP and ESMP
 - c. Advise stakeholders and partners on GoT, GCF and UNDP safeguard requirements
 - d. Develop a Grievance Redress Mechanism Document
 - e. Develop Safeguards Compliance Monitoring templates
 - f. Provide Quarterly audits with audit reports
 - g. Write Annual SESP and Compliance Monitoring Reports



- (iii) Finalize on engagement of the Maritime Construction Expert (MCE). The Maritime expert will assist the project with the identification of suitable companies/methods/costing to carry out Output 2 works on the 3 infrastructure sites. This is required because of the extremely challenging environment to implement such work and logistic / methodological complexities.
- (iv) Completion of the ESIA's for Nanumea, Nanumaga, and Funafuti.
- (v) Consultation with UNCDF on the disbursement of funds under the Performance Based Grant and the finalization of the Operational Manual.
- (vi) Further consultation with government on the endorsement recommended re-programming avenues of the \$3.5m (that was initially budgeted as TSF Injection)

PART 3: PARTNERSHIPS

This summary focuses on those that have been particularly important over the last Quarter.

- University of NSW Hydraulics Laboratory. Principle Scientist, Dr Matt Blacka has provided an
 essential non-commercial, third party review capacity for TCAP output 2 concepts. This is an
 extremely important relationship built on in-kind assistance and common interest to develop the
 best possible approaches in these challenging problems in arguably some of the world's most
 challenging work locations.
- TCAP and SPC have expanded the scope of their partnership with SPC agreeing to undertake a large component of the in-country and counterpart training tasks (Output 1) in respect to coastal management, hazards and adaptation. By investing in SPC, which has the sustained regional mandate to continue such work the relationship built and re-established during SPC's work can be continued after TCAP. Likewise, SPC is undertaking a large amount of coastal hazards work in Tuvalu both for TCAP and via other work arrangements, they are thus perfectly placed to deliver such capacity building tasks with the best possible information.
- Department of Lands and Survey Tuvalu. They have continued to assist TCAP with aerial imageries of the evolution of the sand deposits for both Nanumea & Nanumaga and assist in TCAP output 2 planning.
- Department of Local Government (DLG) in Tuvalu. The DLG team have been involved with the training of Kaupules for Funafuti and Nanumea communities over the last 2 quarters. This training of Kaupulesshall be extended to Nanumaga in Q3. Due to the COVID19 restrictions, the Nanumaga training schedule in March had to be aborted hence only the Nanumea community was covered. Now that internal travelling is possible, the PMU team shall be travelling to Nanumaga with the DLG team in early Q3.

PART 4: RISK and ASSUMPTIONS

These have been discussed above Sections 1 and 2.

PART 5: KNOWLEDGE MANAGEMENT AND COMMUNICATION



Knowledge Management

As stated in the last report, TCAP has not yet generated a large number of finished products and thus management of resultant knowledge products has not yet become an issue. This will become increasingly important as survey work such as Lidar is completed and other products such as the GIS based coastal monitoring platform, Small Grants manuals and other such products are finalised.

PART 8: QUARTERLY FINANCIAL REPORT

<u> Financial Report (CDR) April – June 2020</u>				
Output	Amount (USD)			
Output 1	66,745.36			
Output 2	139,106.13			
Output 3	62,558.76			
Output 4	108,930.51			
Total for Reporting Period (USD)	377,340.76			



PART 10: QUALITY ASSUARANCE

PROJECT MANAGER	PROGRAMME CLEARANCE	IRMU CLEARANCE ¹	RSD MANAGEMENT APPROVAL
Name: Alan Resture	Name:	Name:	Name:
Title: Project Manager	Title:	Title:	Title:
Signature:	Signature:	Signature:	Signature

¹ (VALIDATION ON RBM, EVIDENCE BASED REPORTING & CLEARANCE FOR CORPORATE UPDATE OF RESULTS (ATLAS &CPS)





Table 1 – Q2 Reporting Details

Output	Indicators	Sub Activity	Action/Input	Update report Q2	Status
Output1.Strengtheningof institutions,humanresources,awarenessandknowledge forresilientcoastalmanagement	1.1 Technical capacity, knowledge and awareness strengthened for monitoring, protection and maintenance of coastal protection infrastructure	1.1.1 Implementation of Capacity Needs Strategy & Action Plan - through training of 12 Technical Officers from Govt Partners	i. Hire a consultant to co-ordinate the implementation of the training schedule - as per the schedule identified in the Capacity Needs Strategy	 Discussions have commenced with SPC on the facilitation of this training for our government partners in Tuvalu. SPC does have the expertise and the resources to facilitate most of the required trainings. This discussion with SPC shall be continued in Q2. In so far as possible we are aligning the training under the existing LOA with SPC and if necessary, TCAP will develop a new or revised LOA. 	 This activity is delayed due to covid-19 and closing of borders. Tuvalu declared a State of Emergency from 20 March until 20 September 2020. Due to Covid19 restrictions these plans are likely to be delayed further.
			ii. Travel cost for Tech Officers from Govt Partners for selected & approved Capacity trainings to be held outside of Funafuti (eg in Suva)	• No expenses incurred thus far in 2020.	No action taken
			iii. Training of Govt Partners on Coastal Processes & Coastal Interventions	 Refer (i) above – talks with SPC shall be furthered in Q2 on the facilitation of training for our government partners – including coastal processes 	In progress



	and coastal	
	infrastructure.	
	Upon successful	
	discussion with SPC,	
	a finalized training	
	schedule will be	
	developed - this will	
	likely span out over	
	the next 2-3yrs till	
	2023.	
	• On a side note,	
	LIDAR based flood	
	hazard maps were	
	provided to the	
	Nanumaga	
	Community to help	
	inform rebuilding	
	planning for the	
	community clinic and	
	church post TC Tino.	
	The hazard maps	
	showed areas to	
	avoid and areas	
	which are safer in	
	view of storm wave	
	impacts and ongoing	
	sea level rise.	
	• On another note,	
	TCAP also provided	
	coastal processes	
	analysis products to	
	the World Bank	
	funded Tuvalu Outer	
	Island Boat Harbour	
	Project. These are	
	again based on aerial	
	image temporal	
	analysis and the	
	preliminary LIDAR	
	data. These	
	uala. Mese	





	iv. Training of Govt Partners on Coastal Hazards & Coastal Geospatial data	 cooperative efforts have a very significant bearing on the coastal security of Nanumaga in particular. Please see above. Training was also scheduled with Fugro to deliver the finished products and train differing user groups (at different levels of capacity) in awareness of and use of the full LIDAR data set. This has been postponed due to Covid19 restrictions and the contract with Fugro extended to Dec 31st 2020 – thus, this Fugro training is likely to happen either in Q3 or Q4 of 2020. The 2021 	Talks with SPC is ongoing This training with Fugro is anticipated in Q4 pending easing of border restrictions
	<i>ii.</i> Advertisement for scholarship program for 2021 (to be done by end of 2020)	• The 2021 scholarships are scheduled to be advertised in Q4 (October 2020).	Completed. Lisepa Paeniu was selected to do a Masters degree in Environmental Law
1.2.2 Provision of employment opportunities (in TCAP) for 6 Graduates to support the setting up of the Coastal	<i>i.</i> Hire of 2 local graduates (as Local IC's) for 6 months to provide local support to the consultant co- ordinating the CN training	 ToR is being prepared and recruitment is expected in Q3 	Engagement to be in Q3













suffered many set back and was finally



		 cancelled due to Covid19 restrictions. The design concepts were nonetheless shared on Nanumea (before the Tuvaluan authorities cancelled the voyage) and agreement was obtained from the Kaupule to implement the TCAP designs and to use local storm deposits for the construction of the BTB's. 	
	ii. Travel Cost for Coastal Engineer	 Most of the travel costs have been delayed due to the Covid19 restrictions. To date, project has processed payments for Engineer travels to Suva and Funafuti in Quarter 1, 2020. 	• Done
2.2 Coastal protection measures implemented	i. Award and signing of Civil Works Contract including an approved work schedule - with 1st payment covering works planned and completed by Dec 31 2020	 This task is scheduled for the 3rd or 4th Q 2020, however it is very likely to incur delay due to the Covid19 restrictions. Following the consultations in Suva and Funafuti with the Coastal Engineer it was agreed that short-term consultant 	 Procurement meetings are being held with the BKK procurement advisors in line with the correct processes to be taken for the procurement of the construction works. MCE engagement is likely to be finalized in early Q3



	services, of a Marine	
	Construction Expert	
	with experience in	
	remote atolls, should	
	be acquired to review	
	the construction	
	plans, workflows,	
	methodology and	
	logistics for all three	
	locations.	
	• The Coastal	
	Engineer drafted the	
	ToR and recruitment	
	for the MCE is	
	underway. It is	
	expected this roll will	
	ensure the way TCAP	
	intends to implement	
	infrastructure work on	
	these remote islands,	
	with few resources	
	and no vessel landing	
	facilities or even	
	anchorage will be	
	feasible, safe and as	
	efficient as possible.	
	The Coastal	
	Engineer has started	
	to gather pertinent	
	costing, methodology	
	and technical	
	information towards	
	the drafting of the	
	infrastructure works	
	ToR.	
	TCAP PMU has also	
	reached out to the	
	local Tuvalu PWD	
	(public works	
	department) to	



Miscellaneous	2.2.4 Ecosystem Based Adaptation Design	ii. Mobilisation of equipment & materials i. Engage Sandwatch through LVG modality	 ascertain their ability and willingness to assist in implementing the infrastructure work. The PMU is also in negotiation with the World Bank to collaborate on Nanumaga so that TCAP might gain access to dredge spoils expected to be generated by the boat harbour improvement project. Based on advice received from RTA, providing grants (LVG) is not permitted under GCF regulations. PMU to find alternative solutions on other contract modalities either through LOA or procurement for implementation of activities related to this. Miscellaneous costs 	 This is scheduled for the 4th Q 2020 however Covid19 restrictions may impact these plans. This is something to be further discussed with MEYS – especially under the Climate Change Curriculum Development subject. Ongoing
Miscellaneous expenses under Output 2	Niscellaneous expenditures under Output 2		Miscellaneous costs are expenses incurred which cannot be classified directly into the	Ongoing









the duration of TCAP.











