

SRIC-CC

Strengthening the Resilience of Our Islands and Our Communities to Climate Change Programme

Porokaramu Akamatutu'anga I te iti Tangata no te tuatau manako kore'ia e te tau'i'anga reva



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2ND QUARTERLY PROGRESS REPORT 2016

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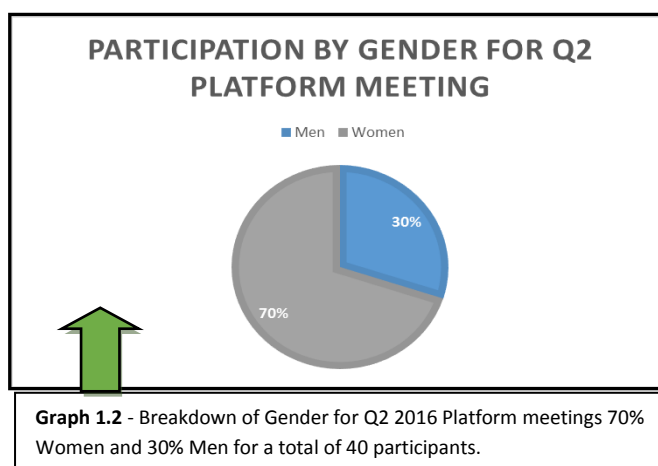
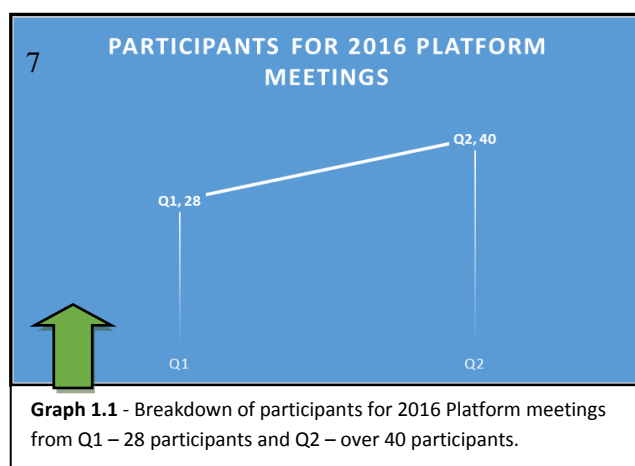
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SECTION 1: Summary of Progress and Highlights

Training/Meetings/Site Visits/Partnerships:

- **CLEWS Project Update** – Re-tender of CLEWS project completed in Q2. Akairo Ltd is currently managing the procurement of this project to implement the CLEWS for all Pa Enea including Rarotonga. All evaluations of tenders and the evaluation teams report with recommended winning tenderer is completed. The PMU is now awaiting the approval of the tender committee to proceed to contracting the winning tenderer.
- **Northern Water Project Update** – The 3 winning tenderers for this project were contracted in this reporting quarter. The winning tenderers are; Cook Islands Trading Corporation, Commodity Exports Ltd (Auckland – NZ) and Cook Islands Building Supplies. According to shipping schedules and quantity of materials, it is expected that all materials will be at their sites (4 project sites) by end quarter 3 2016.
- **Revision of the Joint National Action Plan** – A national workshop (Brilliant Resilience) was conducted in this quarter. Over 122 stakeholders from Rarotonga, the Pa Enea and the region were represented at this workshop. The final draft of the JNAP was presented at this workshop with participants providing their feedback. All feedback was collated and now the TA responsible for revising the document is working on the final document.
- **Platform Meeting** – The Platform meeting was attended by over 40 participants from Government, Private sector, civil societies and interested individuals. The meeting was held over a day. Discussed and presented at the meeting was; The Cook Islands National Sustainable Plan (NSDP), NatCom, feedback from the IPCC Pacific Meeting, SRIC-CC project progress and the Green Climate Fund, EU PAC TVET Programme and the Pacific Women’s Negotiations Workshop.

Graphs 1.1 and 1.2 below show the Participation breakdown for Q1 & Q2 meetings and Gender for Q2:



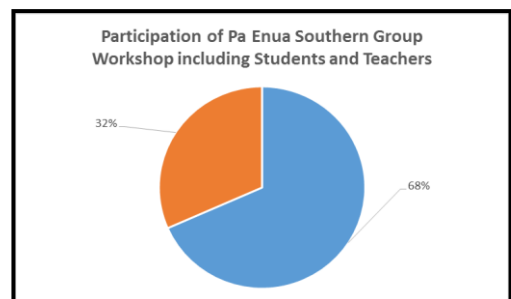
- **Site Visit to Te Ipukarea Society** - FP for Manihiki John Mcleod, FP for Palmerston Melina Tuiravakai and FP for Pukapuka Lucky Topetai visited the Te Ipukarea Society (TIS) to see worm farm bins at work. The team found the process very interesting that it can come very useful in the farming projects in the Pa Enea in their bid to move towards a more organic approach in agriculture. Since the visit, the team has spoken to Pa Enea representatives about the organic approach using the worm farms. Two Pa Enea (Palmerston and Mangaia) have expressed their interest to incorporate the work farm bins into their farming.
- **Site Visit to Oasis Hydroponics** - FP for Manihiki John Mcleod, FP for Palmerston Melina Tuiravakai and FP for Pukapuka Lucky Topetai visited the Oasis Hydroponics set-up in Tupapa (Rarotonga) to learn more about the operation of a successful Hydroponic system. The variety of plants that can be grown in a hydroponic setting was great for the team to include into their respective projects for their Pa Enea. It was an extremely successful site visit that showcased a wide variety of lettuce, mung beans, celery, mint, basil, rosemary, parsley and

tomatoes that are grown onsite. Currently the company is testing grinded coconut husk for planting and as a potential pesticide.

- P3D Model of Vaka Puaikura** – SRIC-CC Programme funded one trainer from Samoa to join other trainers (also from Samoa) to assist in implementing the National Environment Services (NES) managed P3D Model Workshop at the Aro’a Nui in Puaikura. The model was made of cardboard and other simple materials. The building of the model was assisted by the students of Apii Arorangi and the community of Arorangi (after hours). The construction of the model was guided by the contours of a map of the Puaikura area. The P3D model will be used to assist the people of Puaikura in plotting critical infrastructure, traditional sites and areas of importance to the environment. The model will also be used to plan infrastructure development and protected areas within the community. While the concept of a model of the community is somewhat new to many within the community its potential is not yet fully realised as yet and this something that will come with time.



- Southern Schools Workshop** – Following the success of the Northern Islands school workshop last July 2015, SRIC-CC in partnership with the Ridge to Reef project conducted a week long workshop from April 22nd to 29th on Rarotonga for the southern island schools. The objective of this workshop was to give students the opportunity to build their awareness of climate change, protected areas management, biodiversity and other environmental issues that will be exacerbated with the negative effects of Climate Change.



Graph 1.3 - Breakdown of Gender participation for Pa Enea Students Southern Schools Workshop for 2016, 68% Girls and 32% Boys with a total participation of 38 including students & teachers.



- Brilliant Resilient National Seminar – The successful Brilliant Resilient National Seminar had a participation of 122 stakeholders, community and Pa Enea in attendance. Held over five days the National Seminar highlighted SRIC-CC Projects and Updates, JNAP, UNFCCC, GCF and Pa Enea Island Governance. Pa Enea Focal Points and MGLAI youth participated and represented SRIC-CC during the week long Seminar. The outcomes of the National Seminar has encouraged further engagement with the community and inspired more Pa Enea projects.



Projects per Pa Enuu:

Aitutaki

- Agriculture – Fertilizers. Currently in procurement phase. The purchase of the fertilisers will support agriculture activities and sustain food security on the island. There are over 800 people in the community supported by this support. Over 30 people will assist with the implementation of this project. This will provide more consistent supply of vegetables and crops promoting healthy eating and food security.

Atiu

- Agriculture – Coconut Oil Structure. Construction is almost completed. Procurement for the oven setup in progress. The Coconut Virgin Oil will provide earning opportunities for unemployed, women and the wider community, as well as substitute imported oil products, while promoting a local healthier option. Over 20 people are involved in the implementation of this project that will be beneficial to the whole island.
- Marine –Fishing Boat Trailers for Taunganui Fishing Club. 4 x trailers were constructed to assist fishermen from the Taunganui Fishing Club on Atiu. The 4 trailers were constructed to carry the 4 types of fishing boats on Atiu. This Club is the biggest Fishing Club on Atiu. The trailers were delivered to Atiu in late June. A blessing and handover will be held in the next quarter.

Mangaia

- Agriculture – Mangaia Growers & Livestock Association. Different sub districts will be harvesting the fruits of their hard work at the end of June to sell to domestic market on Mangaia and Rarotonga. Rarotonga supermarket Prime Food and Business Trade & Investment Board (BTIB) have been approached as partners to market and sell the vegetables. The project will now be from seed to dinner plate with the partnership of Prime Food and BTIB on-board with the SRIC-CC Programme. Prime Foods will on-sell the produce to their clients in the wholesale market, restaurants, hotels and retail in the Cook Islands. The whole population of the island close to 500 is very supportive of the project. Prime Foods Supermarket have started ordering vegetables from Mangaia and this has generated a lot of interest from the local community. This project will provide a more consistent supply of vegetables and other crops promoting healthy eating and food security on Mangaia and an increased supply of locally grown vegetables on Rarotonga.
- Agriculture – Mangaia Growers & Livestock Association. The next phase of the MGLAI project will be to set-up the young farmers to branch out and produce for themselves. They are currently in training under the watchful eyes of SRIC-CC Agriculture technical assistant - Makiroa Beniamina. All young farmers have covered the following in their training; Best practices in gminating seeds, nursery management, pest management, fertiliser management, composting, farm management, quality control, marketing & packaging, managing loss and farm administration. The parents of the youth have also attended the training provided.



Photo: “Opportunities” - The SRIC-CC young farmer’s programme on Mangaia has generated a lot of interest as the majority of farmers are young women. Here, they show-off their broccoli that will be freighted to the Rarotonga markets.

- Marine - Tamarua Oire Fishing Boat. The 16 foot fishing boat for Tamarua Village to improve fishing catches project is completed and delivered. The blessing and handover of the fishing boat, outboard motor, fishing equipment and ice box to the Tamarua Community was held on the 7th of May. The project supports 100 people of Tamarua village (100%) as well as the other 400 people on the island of Mangaia. This project will improve the consistent of supply in fish to the community of Tamarua for a healthy option and food security.
- Marine – Boat Masters Certificate. 15 participants from Mangaia have received their Boat Marsters Certificate. The training was conducted on Mangaia over two weeks. Under the SRIC-CC support for fishing projects, the SRIC-CC programme has included training of fishermen in boat safety. The training supports safety and security at sea.
- Marine – Ra’ui Signs for Marine Protected Areas. The Ra’ui (Protected areas) signs were constructed and delivered to Mangaia and handed over on May 7th. The erecting of these is currently in progress with some of the sign post currently being set in place. This project supports 100 people of Tamarua by informing people of what areas can be harvested and which cannot. This project improves food security by protecting and conserving marine areas.
- Water - Tamarua Household 6,000 litres Water Project. This project is 100% completed with a formal handover conducted on May 4th. This project supports 22 householders of approximately 60 people. It provides a much needed increase to water storage capacity. Today, 100 % of households in Tamarua Village have a water tank. 14 tanks were delivered under another project in 2014 and SRIC-CC delivered 30 which covered the remainder of homes.



Photo: Children play in front of some of the tanks delivered into Tamarua Village. For the elders of Tamaru Village this strengthens water security...and for these youngsters - it is (now) less time helping to cart water and more time...spent with friends.

Photo – The children of Tamarua are excited with the blessing of the water tanks in their community. Water is an essential resource for their livelihood. This project has a positive impact for the most vulnerable and women in the community who rely on clean water for their household.

- Water – Ivirua Household Water Tanks. The tender evaluation process for this project was completed on 1 June 2016. The Report to the Tender Committee is completed and lodged. This single project will support 51 householders of approximately 120 people in Ivirua village. About 40 people will be implementing the project including SRIC-CC staff. This project will increase water storage capacity in Ivirua village by 306,000 litres.
- Tamarua Community Hall Materials for the roofing repairs (under this project) has since been received on site. Work has not yet started. Concrete tank moulding is currently being fabricated on Rarotonga and will be sent to Tamarua village with the remainder of materials for this project. This project will repair community roofing and construct 5 x 20,000 litre concrete water tanks and increase Tamarua village community water storage capacity by 100,000 litres. The concrete moulding will then be used to construct other 20,000 litre water tanks in other villages on Mangaia.

Manihiki

- Agriculture - Manihiki Hydroponic Project. On the 8th of June 2016, the two hydroponic systems on Manihiki (located in Tukao village and Tauhunu village) were blessed and officially opened by the local government and community of Manihiki. The structures were constructed by local government with voluntary help from carpenters within the community. The project will consistently provide fresh vegetables to all households in both villages with the intent that it will encourage a healthy diet and therefore reduce the number of health issues facing small islands like Manihiki.



- Agriculture – Coconut Virgin Oil. The project Virgin Coconut Oil Project is in its early stages of materials procurement. We will report more on the progress of this in the next quarter.
- Marine – Fishing Boat Trailers. This project is in procurement of materials and trailer construction. The Fishing Boat Trailers will help support the transporting of the community boats to the harbor and also in and out of the harbor. Sometimes, bad weather (rough seas) forces the boat owners to remove their boats from the harbor at short notice. A shortage in trailers mean that sometimes boats are left in the harbor and these have resulted in boats being damaged.

Mauke

- Agriculture - Mauke Chiller. Specifics on the ground for this particular project changed to bring the proposed unit closer to the farmers as opposed to the local airport (outside of village) to store vegetables that were ready to be transported to the Rarotonga market. Since the approval to move this project, Mauke Island has had an election and has new island administration and they would like to see the chiller in the village closer to farmers and the market. As for vegetables that will be exported, they have indicated that these can be transported on the day.

Mitiaro

- Marine – Maroro Tu Project. The pre-fabrication of 10 canoes on Rarotonga is 70% complete and the materials have now been shipped to Mitiaro Pa Enuu. The canoe building and “Flying fish spawning – workshop” will be conducted in July. This project will benefit 200 people including participants from Atiu and Mauke Pa Enuu who will also attend the workshop. Over 50 people will be involved in the implementation. This project will assist the community in preserving and perpetuating the traditional canoe building activity and Maroro Tu tradition and knowledge while promoting food security.



Nassau

- Agriculture – Nassau Uwi Kura Fencing. The project was completed at the end of April. This is an island community project that benefits all and promotes food security. The fencing of the growing area ensures that the place is safe and secured from wild pigs and other animals.



Photo: A close-up of the fencing working happening on Nassau.



Palmerston

- Agriculture – Worm Farms. The worm farm bins are currently in procurement. The Worm Farms will be delivered on the next available ship. This is an island community project that will benefit agriculture for all homes on Palmerston Pa Enea (70 people) and promotes using wastage and reducing burning and strengthens food security.



Photo: SRIC-CC FP's inspecting the worm farms.

- Small Grants – Community Life Jackets. The life jackets are currently in procurement. The life jackets are for the whole community and will strengthen safety and the communities' ability to cope with storm surge and other associated risks. Palmerston Pa Enea is located in the path most travelled by tropical cyclones in the Cook Islands. Palmerston Pa Enea's highest point is recorded at approximately 5 metres which is an area on the island called "Refuge hill". Refuge hill was built using sand brought into Palmerston from another Pa Enea.

Agriculture – Brush Chipper. The brush chipper is currently been procured. The Brush Chipper will be delivered to Palmerston Pa Enea in the next quarter. It is the intention of this project to enable more plant growth on the island therefore aiming to strengthen community resilience through enabling mulching capability, composting education and increasing nutrient levels in the soil. It is planned that this will enable growing of other fruits and vegetables that are currently been grown or produced local. This project will support the whole community.

- Safety – House Tie Down. Currently in implementation. This project includes the construction of 1 tonne concrete blocks. The blocks are approximately 1 metre x 1 metre and ½ metre (height) in dimension. The blocks are constructed with steel chains set in the core. A part of the chain stands outside of the block and ropes can be tied to these. The blocks are buried at the four corners of the house and another two are buried at either side at the centre of the home.



Photos – Tie Down Project. Showcasing the installation of the tie down

Penrhyn

- Marine/Coastal – Pitaka. Construction of the tree nursery is completed. Planting of coastal protecting plants is currently in progress. This project has included the Island Council, Omoka School, Hakono Hararanga and the people of Penrhyn. This project supports the coastal and turtle habitation protection. The construction of the turtle observatory will be the last part to this project.

Pukapuka

- Water – Community Water Tanks. Approximately 60% of the construction materials for the Pukapuka Northern water project has arrived on Pukapuka. This projects supports the whole community of approximately 500 and is implemented by the Pukapuka community and Pukapuka island administration and SRIC-CC staff. The project is projected to increase the water storage capacity on the island by 270,000 litres (6 x 45,000 litre tanks).



Photo: SRIC-CC Northern Water Project materials at CITC ready for shipping.

- Agriculture – Taro Plantation Fencing. The fencing project is 50% completed. Due to shipping delays and schedules the majority of the materials are still awaiting the next available boat to Pukapuka. This projects supports the whole community of 500 and is implemented by the community and SRIC-CC staff. The project will improve food security.



Photos – Taro Plantation Fencing in Pukapuka is a community project.

- Agriculture – Drainage Improvement. Construction of the culvert for the drainage is in progress. Two have been completed and seven more are to be constructed during Quarter 3. This projects supports the whole community of 400 and is implemented by the community and SRIC-CC staff. The project will improve food security.
- Pukapuka fishing boats projects. Two boats were constructed in the quarter and are now awaiting shipping to Pukapuka Pa Enuu. The two fishing boats are for Tawa Ngake Village and Tawa Lalo Village on Pukapuka. The project will strengthen community fishing on Pukapuka.

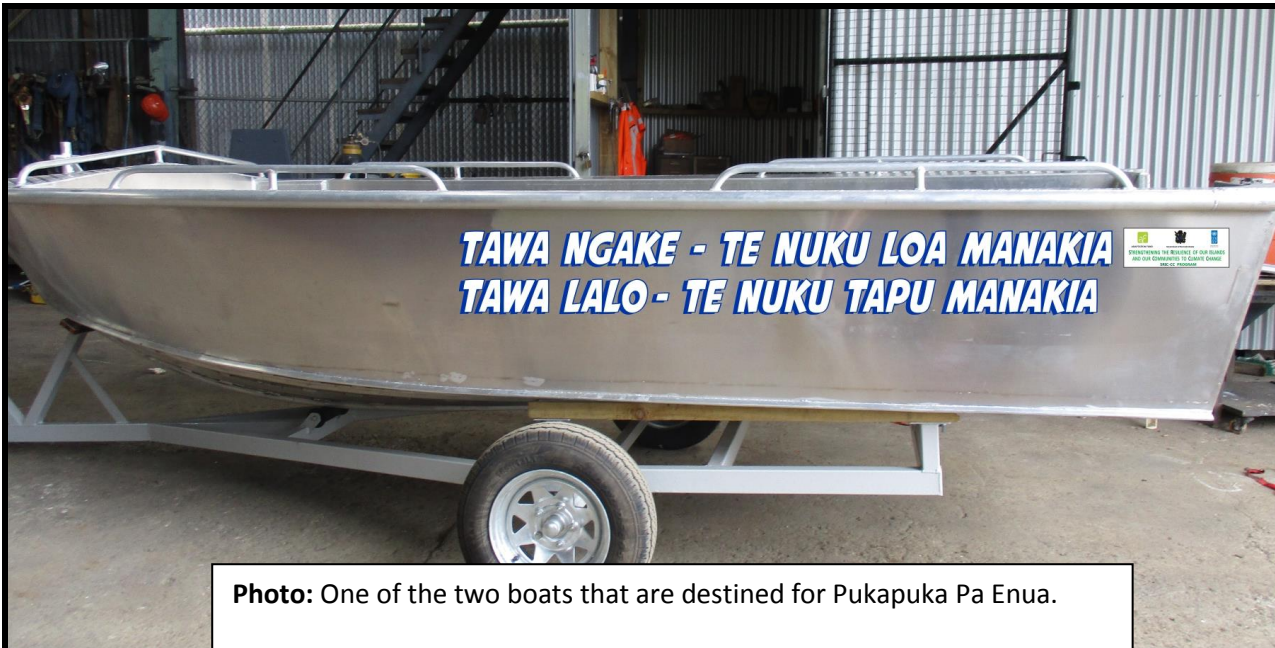


Photo: One of the two boats that are destined for Pukapuka Pa Enuu.

Rakahanga

- Coastal Protection. Construction of the culverts to re-construct the Rakahanga causeway is well underway. Three culverts have been built with nine more to be constructed in the next quarter. A total of 12 culverts are to be built and put into the current causeway. The culvert will allow for water to come through and flow back into the lagoon. This projects supports the whole community of 100 and is implemented by the community and SRIC-CC staff. The project eliminates stagnant water conditions (beyond the causeway) that breeds mosquitos and allows better environment to grow taro and breed some of the fish species.



Photos – Aerial view of the area that needs to be drained due to the stagnant water.

RAKAHANGA DRAINAGE UPGRADE



Photos – Construction of the Culverts on Rakahanga.

SECTION 4: Project risks and issues

Project Risks Matrix

Risk Type	Risk Description	Risk Rating (H/M/L)	Risk reduction strategy
Operational	Isolation of Islands and inconsistency of transportation. Several projects have been delayed due to the change in schedules of the shipping.	M	The SRIC-CC Manager builds capacity of the Focal Points (FP) by bringing them to the head office for training, project board meetings and get them updated with project results. FP are provided with resources and mentorship to complete their task and keep within project timelines.
Environmental	Cyclones and natural disasters during the cyclone period affected operation in the islands especially the islands in the Northern Group.	M	The CLEWS component can assist in early warning systems and operations in place for cyclones and disasters. The implementation of this and ready for the upcoming season will assist all the Pa Enea communities greatly.

Table 4 Project Issues

Issue	Potential impact on the project, how dealt with and the result
Need for project extension	Project implementation was slow in getting started however now many projects are moving on the ground. In discussing with the Programme Advisory Committee (PAC), the idea of extending the Programme to another year (end June 2018) was raised. The main purpose of extending was for the Programme to see its true results a year out after implementation. The request for an extension was supported by the PAC. The process of requesting the extension will be supported by CCCI.

Lessons learned and good practices

SRIC-CC has learnt that Partnerships with Island Governments are best made face to face, frequent meetings with partners strengthen coordination and expedite delivery and having a designated person for communications will keep you ahead in reporting.

Communications have increased in Radio, Television, Newsprint and Social Media during this quarter. Table 5 showcases the huge increase in Social Media activity on Facebook with the 1st Quarter people reach of 6,201 to the 2nd Quarter of 45,644 people reach.

Reports for Social Media now effectively show the audience reach and most common devices used to view the Facebook page, which are collated directly from Facebook on a 28 days report.

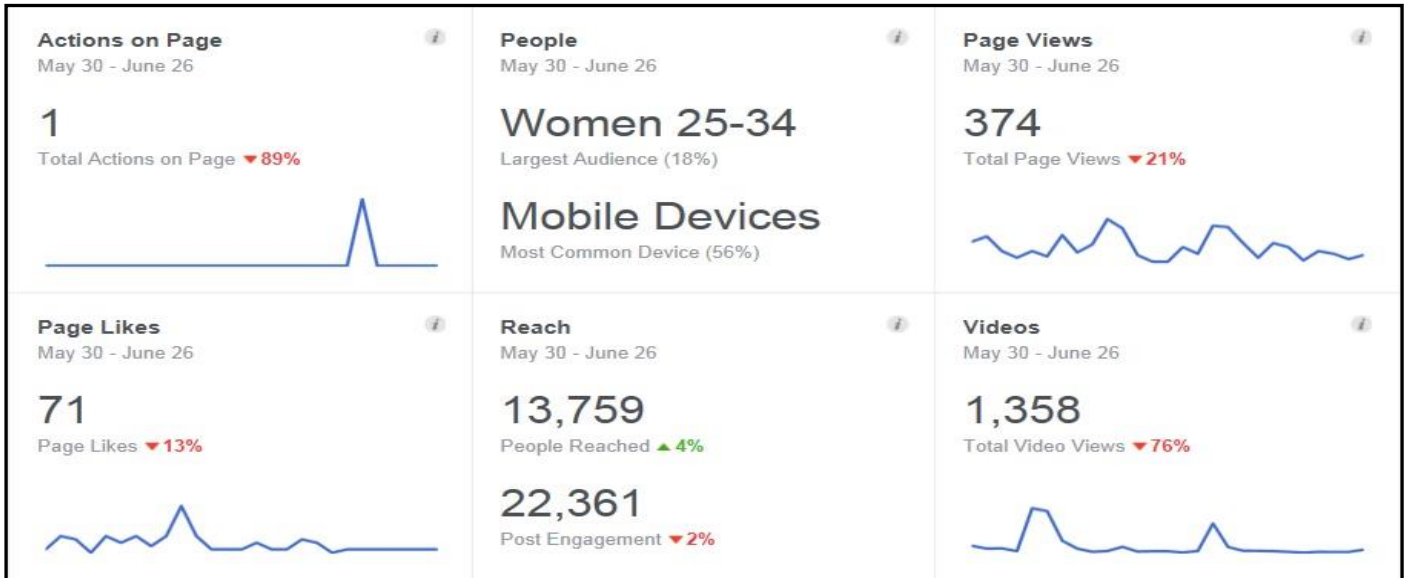
Table 5 Facebook Statistics – Total of 45, 644 approximately post reach for 2nd Quarter. Total Likes – 1,582.

SECTOR	1 st Quarter POST REACH	SECTOR	2 nd Quarter POST REACH
Water	560 people	Water - Tamarua (MP, Children & Opening)	7,980 people
Workshop	1,225 people	Workshop – Pa Enuā Students Workshop	12,730 people
Focal Point Profile	785 people	Focal Point Site Visits (Oasis & TIS)	1,016 people
Events	1,679 people	National Seminar (All photos & Speeches)	7,938 people
Agriculture & Fishing	454 people	Manihiki Hydroponics (Building & Completion)	2,046 people
Site Visit	823 people	MGLAI Project	3,795 people
Health	675 people	Global Campaigns (1 Minute 4 Earth & World Ocean Day)	4,651 people
		Penrhyn Te Pitaka	400 people
		Mitiaro Maroro Tu Phase 2 Project	1,487 people
		Nassau	278 people
		Staff Development Workshop	1,768 people

		PAC Meeting	222 people
		UNDP Visit (Yvette & Ioane)	1,333 people

Facebook Statistics for this Quarter:

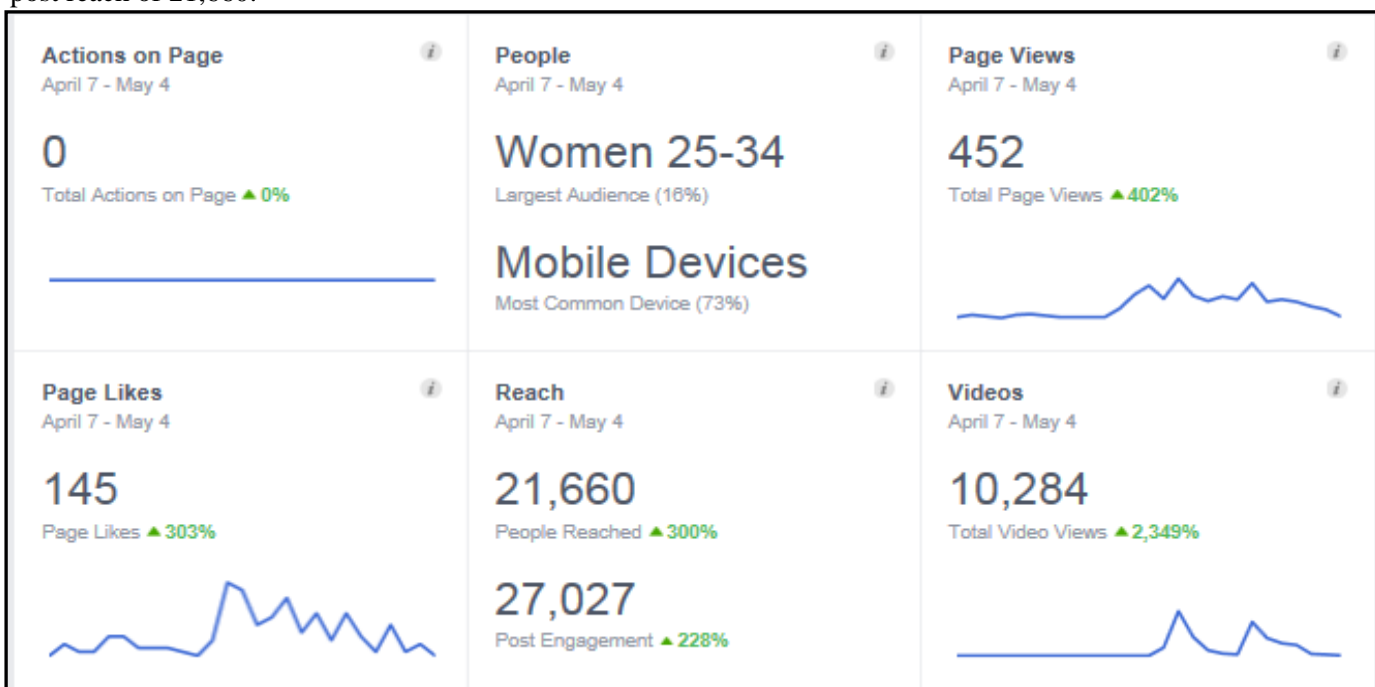
May 30th to June 26th Statistics Report from Facebook: During this period the page likes increased by 71 with a total post reach of 13,759.



April 28th to May 25th Statistics Report from Facebook: During this period the page likes increased by 90 with a total post reach of 17,645.



April 7th to 4th May Statistics Report from Facebook: During this period the page likes increased by 145 with a total post reach of 21,660.



Facebook – For more information on our updates please visit our Facebook link on:

<https://www.facebook.com/sriccookislands>

APPENDICES

SECTION 2: Output results description

Component	Outcome	Output this Quarter	Progress
1	Outcome 1 - Efficient & Effective Support at National Level for Disaster Risk Reduction & Adaptation Initiatives in the Pa Enea.	1.1 National Sector Policies	The successful Brilliant Resilient Seminar was conducted in May.
		1.2 Staff of National Agencies & Organisations on the NCCCT Trained	Revision of the Joint National Action Plan. The JNAP is 90% completed in this quarter.
		1.3 Fully Operational Climate Early Warning System	Re-tender of CLEWS project completed in Q2.
2	Outcome 2 – Strengthening Capacities for Climate Change Adaptation & Disaster Risk Reduction in the Pa Enea.	2.1 Integrated CCA & DRR action plans	Successful Quarterly Platform Meeting to local stakeholders.
		2.2 Enhance the Capacity of Pa Enea	Focal Points for the Pa Enea (Pukapuka, Manihiki, Mauke, Palmerston, Mitiaro, Penhryn and Atiu) are working on projects while receiving training during this quarter.
3	Outcome 3 – Enhanced Resilience of 11 inhabited Pa Enea.	3.1 Small Grants to the Pa Enea	Mangaia, Tamarua - Community hall is in its final stages of design, it is a designated safety centre. Palmerston – Tie Down House currently in its final stages of installation.

		3.2 Agriculture & Marine	All 12 projects at varying stages of completions full details in Projects Per Pa Eua.
		3.3 Water Capture	Mangaia, Tamarua – all 30 water tanks installed.
		3.4 Coastal Protection in 3 Pa Eua	Penhryn – in procurement stage. Rakahanga – Materials received.
		3.5 Resilience of Tourism	-
		3.6 Health Support & Vector-Borne Disease Control	Ongoing activities with Project Namu and Ministry of Health to eliminate Vector- Borne Diseases.
4	Outcome 4 – Lessons Learned & Best Practices Improve Effectiveness.	4.1 Lessons Learned and best practices are generated	Provide communication statistics in its quarterly reports.
		4.2 Training Materials	Ongoing activity