

Project: Enhancing Disaster and Climate Resilience in the Republic of Palau through improved Disaster Preparedness and Infrastructure

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Output	Activities	Activity Details	Status as of April 2020	Next Action
Output 1	1.1 Install VHF and HF radio (incl. of climate proofing) in key emergency operations facilities.	<p>A network of VHF and HF radio for the State Governments will be installed according to the request made by the National Emergency Management Office (NEMO).</p> <p>Summary of the requested equipment</p> <p>HF system</p> <ul style="list-style-type: none"> • Tobi state : 2 sites (both w/ Email) includes the main Koror office and the remote • Sonsorol state: 2 sites (both with email) w/Koror/remote. • Helen reef: 1 HF (without HF email) • Merir island 1 HF (without HF email) • Pulo Ana 1 HF (without HF email) • NEMO : needs HF email 	<ul style="list-style-type: none"> • PNCC HACT micro assessment finalized. • The evaluation of the bids for HF and VHF radio communication equipment, and solar power is ongoing. Awarding of contract is expected to take place end of May. 	<ul style="list-style-type: none"> • Finalize Technical evaluation of procurements of radios and solar panels. • UNDP will make a Letter of Agreement (LOA) directly with PNCC for the installation. • Once the radios come to Palau a telecom expert will arrive and check the equipment and do the programming.

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		<ul style="list-style-type: none"> • Education : needs HF email. • Hospital : needs HF email <p>VHF system</p> <p>Kayangal, Peleliu and Angaur.</p> <p>Other equipment involves battery bank, solar panels, battery supply charger</p>		
Output 1	1.2 Install tsunami and multi-hazard warning sirens (incl of repeater stations) in key vulnerable locations.	The early warning systems will include multi direction sirens to be installed in 13 States, according to NEMO request. The control centre for the sirens is proposed to be located at the NEMO facility. According to information provided by NWS and the decisions taken by the NEMO, the staff on duty could select only certain areas to sound the alarm or every siren at the same time. The sirens system will complement the community	<ul style="list-style-type: none"> • PNCC HACT micro assessment finalized. • UNDP, NEMO and PNCC discussed regarding the coverage area of siren system versus costing and infrastructure available. • Specifications have been developed. 	<ul style="list-style-type: none"> • UNDP will make a Letter of Agreement (LOA) directly with to PNCC for procurement, training and installation. The LOA should include the detailed plan (including specification of the siren) and budget for the intended activities.

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		preparedness initiative currently under implementation by the NEMO.		<ul style="list-style-type: none"> • NEMO and PNCC to decide the scope of intervention for siren system.
Output 1	1.3 Repair/Install Automated weather stations related equipment in key strategic and vulnerable locations both existing and non-existing according to WMO guidelines.	<p>In coordination with the NWSO, 4 automated weather stations to complement the capacities to monitor weather conditions.</p> <p>The regular AWS will be located in Kayangel, Melekeok, Koror and Peleliu States.</p> <p>The equipment will be installed in State Government property land, and the maintenance will be done by the NWS technical officers (by using the 13 technical officers in main station and the 5 observers in the field).</p>	<ul style="list-style-type: none"> • NWSO HACT micro assessment finalized. • LOA with NWSO is under preparation. • National Evaluation of the bids ongoing. 	<ul style="list-style-type: none"> • Finalize Letter of Agreement (LOA). • Government of Palau to award the bid.
Output 1	1.4 Install 4 wave rider buoys to determine ocean conditions and surface wave monitoring	The NWSO has requested to modify the original request of a DART buoy for 4 wave riders buoys (3 to be installed and one spare). Considering their proximity to the coast lines, the Wave rider Buoys will enable NWSO to plan and predict level of	<ul style="list-style-type: none"> • NWSO HACT micro assessment finalized. • LOA with NWSO was drafted, awaiting for AWS (Activity 1.2) component. 	<ul style="list-style-type: none"> • Finalize the LOA. • Agreement between NWSO and University of Hawaii to be established.

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		erosion and saltwater intrusion through storm damage and waves on coastal areas; and to make decisions oriented to the protection of natural ecosystems.		
Output 1	1.5 Reconstruction of AM Frequency Modulation Tower	The AM radio tower collapsed during Typhoon Bopha in 2012. From then on, the government radio broadcast operates only in FM, covering the area around Koror (approximately 50% of the country population). The AM radio tower to be rebuilt within this Project will expand the coverage to the entire population, including the Southwestern islands. A complete assessment report was submitted by the Department of Domestic Affairs, including the type of equipment required for the reconstruction of the AM tower, the installation of the respective equipment and the construction of a shelter (to house the AM and FM radio equipment, and a mini studio).	<ul style="list-style-type: none"> • Bid closed on 26 March. Evaluation has initiated. 	<ul style="list-style-type: none"> • Conclude Evaluation and proceed UNDP internal approval.

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Output 1	1.6 Training course for young technicians on how to maintain the current communications Infrastructure	In order to increase current and future capacities to install, repair, maintain and manage telecommunication equipment the Project has started some discussions with the Palau Community College to develop a training course for students majoring in Electronics.	<ul style="list-style-type: none"> • UNDP drafted the letters to the Governors. To be revised by PCC 	<ul style="list-style-type: none"> • Conclude contract with an international consultant(s) to implement this activity. • Instructors to send her names of potential candidates. Also, if they have ideas that can be incorporated to the curriculum
Output 1	1.7 Conduct a Protection, Gender and Social Inclusion in Disaster Risk Management training	The Bureau of Gender, Aging and Disabilities is keen to promote a participatory process within the National Emergency Committee to review the instruments currently used for data collection in humanitarian assistance. This activity is linked to the training in Gender in Humanitarian Action (GiHA) proposed in Component 3, building upon the capacities already developed in country through a training of trainers course developed by UN-Women in 2018.	<ul style="list-style-type: none"> • Due to COV19 and social distancing measures in place this activity has not updated for this month. 	<ul style="list-style-type: none"> • Main counterpart to meet to finalize agenda and agree on the facilitation.

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Output	Activities	Activity Details	Status as of April 2020	Next Action
Output 2	2.1 Provide appropriate and improved disaster preparedness and response equipment to NEMO (purchase of generator to complement existing one)	<p>The project will provide the National EOC with the required equipment for information management, monitoring and coordination.</p> <p>This may include:</p> <p>computers and software, multimedia equipment, communication equipment (telephone, WIFI and fibre optic, if possible).</p>	<ul style="list-style-type: none"> • Installation of generator was completed. Hand over ceremony including generator was held on 16 April. • TOR for ICT equipment is in progress. 	<ul style="list-style-type: none"> • BPW and Telecom expert to discuss on ICT equipment and floor plan. • ETA for NEOC Conference Room furniture will be on 24 June.
Output 2	2.2 Retrofit the National Emergency Operations Centre (NEOC) facility to meet international and functional standards.	The conference/meeting room of the NEOC will be expanded to accommodate the increasing number of representatives from the National Disaster Management Team. Moreover, an information management room will be added to the existing building.	<ul style="list-style-type: none"> • LOA between BPW and UNDP was signed. 	<ul style="list-style-type: none"> • The deadline for proposals for Construction of NEOC Conference Room is 30 April.
Output 2	2.3 Conduct LIDAR Imagery remote sensing mapping over key and vulnerable locations.	The Office of the Palau Automated Land and Resource Information System (PALARIS) is the main counterpart to	<ul style="list-style-type: none"> • Evaluation of bidders is on progress 	<ul style="list-style-type: none"> • Conclude evaluation

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	High Resolution Digital Elevation Models (DEM) for Inhabited Coastal Areas developed	prepare a topographic map (1m resolution) for the islands of Kayangel, Babeldoab, Koror, Peleliu, Angaur, Sonsorol and Hatohobei (for an approximate area of 415 square kilometres). The respective contract with the specialized company will include a training on the use of the LIDAR study, with emphasis on its potential for disaster risk modelling and disaster risk management.		
Output 2	2.4 Provide key strategic islands with mobile storage facilities to store emergency stockpiles/supplies, emergency equipment.	The project will provide the NEMO with 5 mobile warehouse facilities (tents) to be stored at the NEOC.	<ul style="list-style-type: none"> • Activity completed. 	<ul style="list-style-type: none"> • Activity completed.
Output 2	2.5 Appropriate equipping of emergency disaster response stations, East coast and Westcoast of Babeldaob island with response and rescue vehicles (specifically	The project will procure one fire truck for the East coast and Westcoast of Babeldaob island. Specific request has been shared by the Bureau of Public Service (Ministry of Justice). The fire truck will be placed in the Melekeok Fire Department Sub-station for providing	<ul style="list-style-type: none"> • Ten months to manufacture. However due to COV19 and the low supply production on chassis the new expected arrival date is Feb 2021. 	<ul style="list-style-type: none"> • UNDP is following up for the delivery schedule.

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	fire trucks and first responders' vehicles)	assistance to the States located in the Babeldaob Island.		
Output 2	2.6 Provide key disaster responders and Search & Rescue institutions with 2 portable man packs HF radio	Provide key disaster responders and Search & Rescue institutions with 2 portable man packs HF radio	<ul style="list-style-type: none"> Activity completed. 	<ul style="list-style-type: none"> Activity completed.
Output 3	3.1 Provide emergency backup power for schools as evacuation centres (Low tech off grid electrical power system for three schools in Sonsorol, Pulo Anna and Hatohobei, Southern most islands).	This will involve procurement of 3 solar panel systems to be installed in three schools of the South western islands of Sonsorol, Pulo Anna and Hatohobei States. For the PEA, this project is considered a pilot initiative to then expand the provision of solar panels to all households in the mentioned islands.	<ul style="list-style-type: none"> Evaluation report is under UNDP Procurement Committee's review for approval. 	<ul style="list-style-type: none"> Award the bid. A sustainability plan is to be developed by MoE.
Output 3	3.2. Restoration and protection of cultural heritage sites in coastal communities rated high risk (Palau Historical Preservation Office, Vulnerability Assessment) – in line with Palau Climate Change Policy	The Bureau of Cultural and Historical Preservation is the implementing partner for the implementation of this activity. This includes the preparation of vulnerability assessments of 10 cultural heritage sites (to be developed by 4 international specialists already contacted by this Bureau) and climate risks	<ul style="list-style-type: none"> UNDP has issued a letter to MCCA on 21 April requesting the settlement of the advance fund as soon as possible. 	<ul style="list-style-type: none"> Implementation of the project and outcome are expected to be completed by November 2020. Expected deliverables are expected to be completed by December 2020.

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	(PCCP) for Climate & Disaster Resilient Low Emissions Development.	mitigation works in 2 prioritized sites. The mitigation works are aimed to protect cultural heritage sites and will be developed considering a high level of participation of the communities in order to raise the awareness for the protection of cultural sites.		<ul style="list-style-type: none"> The two intervention projects are expected to be completed by November 2020.
Output 3	3.3 Procure a double function vehicle for the Fire Department, to secure water resources during droughts	A double function vehicle will be procured for the Fire Department, which can be used as fire truck but also as a 3,000 gallons water tank truck. This vehicle will have the capacity to transport water to schools, hospitals and communities affected by water shortage due to droughts or any deficiency in the water system.	<ul style="list-style-type: none"> Ten months to manufacture. However due to COVID-19 and the low supply production on chassis the new expected arrival date is Feb 2021. 	<ul style="list-style-type: none"> UNDP is following up for the delivery schedule.
Output 3	3.4 Throughout this project, the NWSO and NEMO will be provided with vehicles and boats to improve their capacity to access the areas where the monitoring equipment will be installed as	<p>The Fire Department facilities will be improved.</p> <p>Following critical vehicles will be purchase</p> <p>a) NWSO pick up, b) 5 Tones pick up,</p>	<ul style="list-style-type: none"> LOA between BPW and UNDP signed for refurbishment of roof at Koror Fire Dept. Manufacturing of boat for emergencies is near to 	<ul style="list-style-type: none"> The deadline for proposals for the construction of Koror Fire Department (FireTruck Shed Extension) is 30 April. Delivery of the boat is expected on 15 May 2020

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	well as to support evacuation and humanitarian assistance in case of disasters.	c) 1 NEMO Vehicle d) 1 Boat	completion. Additional boat accessories were purchased. <ul style="list-style-type: none"> • Contract for procurement of Vehicles was concluded. 	<ul style="list-style-type: none"> • ETA for 2 SUV and 1 Pick up truck will be at the end of July 2020. • ETA for a truck with crane will be in October 2020. • .
Output 3	3.5 Purchase of Search and Rescue Equipment	Provide the Fire and Rescue Division with a Search and Rescue Equipment	<ul style="list-style-type: none"> • ETA for Search and Rescue Equipment is on 30 June. 	<ul style="list-style-type: none"> • Delivery of Search and Rescue Equipment.
Output 3	3.6 Conduct a Protection, Gender and Social Inclusion in Disaster Risk Management training	The Bureau of Aging, Disability, and Gender (within the Ministry of Community and Cultural Affairs) has proposed the delivery of a training in the methodology of Gender in Humanitarian Action (GiHA), considering the capacities developed in a regional training for trainers course by UN-Women. This activity will be linked to Activity 1.7 oriented to mainstream gender and social inclusion consideration in humanitarian assessment tools.	<ul style="list-style-type: none"> • Please see 1.7 above. 	<ul style="list-style-type: none"> • Please see 1.7 above

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Output 3	3.7 Conduct PDNA and DRF Training of Trainers to key government sectors		<ul style="list-style-type: none">• PDNA training was conducted from 3 to 7 February with participation of 18 men and 16 women.	<ul style="list-style-type: none">• Activity completed.