



Enhancing Disaster and Climate Resilient in the Republic of Palau

Monthly Update



EDCR Palau Monthly Report February 2023

Output	Activities	Activity Details	Status as of February 20:	Next Action	Pictures
Output 1	1.1 Install VHF and HF radio 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><u>Summary of the requested equipment</u></p> <p>HF system</p> <ul style="list-style-type: none"> • Tobi state: 2 sites (Koror and Tobi) w/ email • Sonsorol state: 2 sites (Koror and Sonsorol) w/ email • Helen reef: 1 site (without HF email) • Merir island 1 site (without HF email) • Pulo Ana 1 site (without HF email) • NEMO : w/ email • Education : w/ email • Hospital : w/ email <p>VHF system</p> <ul style="list-style-type: none"> • Kayangel, Peleliu and Angaur. • Other equipment involves battery bank, solar panels, battery supply charger 	<ul style="list-style-type: none"> • Draft MOU has been sent accordingly to Executive Director, NEMO and Director, Ministry of Education for their final comments and scrutiny. 	<ul style="list-style-type: none"> • UNDP to await feedback on the Memorandum of Understanding governing the operational arrangement of routine maintenance, repairs and asset oversight of HF/VHF radios inclusive of solar installations in the Southwest islands. 	 

Output 1 1.2 Install tsunami and multi-hazard warning sirens in key vulnerable locations.

The early warning systems will include multi direction sirens to be installed in 13 States, according to NEMO request.

- UNDP has issued the final payment of the siren spare parts procurement and deployment costs of Hormann in-country in Palau to undertake siren operability training and maintenance guidance.
- Await final report on the siren testing via (primary/secondary activations and manual (on-site) activation).
- Finalize the maintenance agreement and Standard Operating Procedure (SOP) for the siren interoperability.



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.

In coordination with the NWSO, 4 automated weather stations to complement the capacities to monitor weather conditions. 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).

- 4th Peleliu AWS Site is still awaiting finalisation from the Peleliu State Office and confirmation of deployment will follow suit.
- Liaise with NWSO/Bureau of Public Works/NEMO on the mobilisation/logistics of the 4th AWS sites in Peleliu in collaboration with the respective State Offices. This is to be completed by February end 2023.















Output 1 1.4 Install 4 2 wave rider buoys to determine ocean conditions and surface wave monitoring

Considering their proximity to the coast lines, the Waverider Buoys will enable NWSO to plan and predict level of erosion and salt water intrusion through storm damage and waves on coastal areas; and to make decisions oriented to the protection of natural ecosystems. The wave rider buoys will be strategically located East sides of the country.

Activity completed. Activity completed.



				
<p>Output 1 1.5 Reconstruction of AM Frequency Modulation Tower</p>	<p>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.</p>	<ul style="list-style-type: none"> • Activity completed. • Director, Bureau of Archives & Media has been requested to fast track the procurement of the genset spare parts since this will aide the automatic switch functionality in the event of power failures. 	<ul style="list-style-type: none"> • Procure spare parts for the diesel generator. 	 
<p>Output 1 1.6 Training course for young technicians on how to maintain the current communications Infrastructure</p>	<p>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.</p>	<p>Activity completed.</p>	<ul style="list-style-type: none"> • UNDP to await feedback on the Memorandum of Understanding governing the operational arrangement of routine maintenance, repairs and asset oversight of HF/VHF radios inclusive of solar installations in the Southwest islands. 	 
<p>Output 1 1.7 Conduct a</p>	<p>The Bureau of Gender, Aqina and Disabilities is</p>	<p>Activity completed.</p>	<p>Activity completed</p>	

	<p>Protection, Gender and Social Inclusion in Disaster Risk Management training</p>	<p>been to promote a participatory process within the National Emergency Committee to review the instruments currently used for data collection in humanitarian assistance.</p>			
<p>Output 2</p>	<p>2.1 Provide appropriate and improved disaster preparedness and response equipment to NEMO (purchase of generator to complement existing one)</p>	<p>The project will provide the National EOC with the required equipment for information management, monitoring and coordination.</p> <p>This may include:</p> <ul style="list-style-type: none"> • computers and software, • multimedia equipment, • communication equipment (telephone, WIFI and fibre optic, if possible). 	<ul style="list-style-type: none"> • No update in this month. 	<ul style="list-style-type: none"> • PNCC/UNDP/NEMO to liaise on the procurement of appropriate software to improve interface operability and functionality. 	 
<p>Output 2</p>	<p>2.2 Retrofit the National Emergency Operations Centre (NEOC) facility to meet international and functional standards.</p>	<p>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.</p>	<p>Activity completed.</p>	<p>Activity completed</p>	 
<p>Output 2</p>	<p>2.3 Conduct LIDAR</p>	<p>The Office of the Palau Automated Land and Resources Information System (PALARIS) will be</p>	<p>Activity completed.</p>	<p>Activity completed</p>	

imagery remote sensing mapping over key and vulnerable locations. High Resolution Digital Elevation Models (DEM) for Inhabited Coastal Areas developed

Resource information System (PALARIS) is the main counterpart to 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 storage facilities** (tents) to be stored at the NEOC.

Activity completed.

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 **fire trucks and first responders' vehicles**)

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) .

Activity completed.

Activity completed

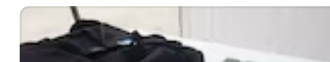


Output 2 2.6 Provide key disaster responders and Search

Provide key disaster responders and Search & Rescue institutions with 2 portable man packs HF

Activity completed.

Activity completed



& Rescue institutions with **2 portable man packs HF radio**



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.

- Draft MOU has been sent accordingly to Executive Director, NEMO and Director, Ministry of Education for their final comments and scrutiny.
- UNDP to await feedback on the Memorandum of Understanding governing the operational arrangement of routine maintenance, repairs and asset oversight of HF/VHF radios inclusive of solar installations in the Southwest islands.



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 (PCCP) for Climate & Disaster Resilient Low Emissions Development.

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 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.

Activity completed.

- Continuous Follow up on the completion report for the Restoration works at Hatohobei State with the Ministry of Community and Cultural Affairs.



Output 3 3.3 Procure a double function vehicle for the Fire Department, to secure water resources during droughts

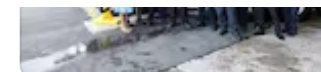
A double function vehicle will be procured for the Fire Department, which can be used as fire truck but also as a 3,000 gallons water tank truck. This vehicle will have the capacity to transport water to schools, hospitals and communities affected by water shortage due to droughts or any deficiency

Activity completed.

- Activity completed



water shortage due to droughts or any deficiency in the water system.



Output 3	3.4 Supply and upgrade critical infrastructure to enhance the capacity of disaster risk management).	The Fire Department facilities will be improved. The following critical vehicles will be purchased to improve their capacity to access the areas where the monitoring equipment will be installed as well as to support evacuation and humanitarian assistance in case of disasters: a) NWSO pick up, b) 5 Tones pick up, c) 1 NEMO Vehicle d) 1 Boat e) Search and rescue	Activity completed.	• Activity completed
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Output 3	3.5 Provide food preservation to vulnerable communities	Provide food preservation to vulnerable communities	Activity completed.	• Activity completed
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Output 3	3.6 Conduct Integrated Gender Equality and Social Inclusion (GESI) and DRM Training of Trainers with key national and state government sectors including CSO's that work with communities	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.	same as 1.7.	• same as 1.7
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Output 3	3.7 Conduct PDNA and DRF Training of Trainers to key government sectors		Activity completed.	• Activity completed
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