



CREWS PROJECT STATUS REPORT

1. Project title	<i>Strengthening Hydro-Meteorological and Early Warning Systems in the Pacific (CREWS Pacific SIDS)</i>	2. Project reference <i>CREWS/RegProj/04/Pacific</i>
3. Lead IP	WMO	4. Other Implementing Partners Secretariat of the Pacific Regional Environment Programme (SPREP) The Pacific Community (SPC) Meteorological Service of New Zealand Hydrologic Research Center (HRC) Asia Disaster Preparedness Center (ADPC)
5. Reporting period	January – June 2020	
6. Reporting focal point	Josephine Wilson (jowilson@wmo.int)	
7. Project overview	<p>Please include synergies, leveraging, key project deliverables and total funding in bullet points. (max 250 words)</p> <p>The CREWS Pacific SIDS Project is co-funded by the CREWS Initiative (USD 2,500,000) and Environment and Climate Change Canada (ECCC) through the project “Building Resilience to High-Impact Hydro-Meteorological Events through Strengthening MHEWS in Small Island Developing States (SIDS) and South East Asia (USD 2,500,000).</p> <p>The project focuses on strengthening the Regional Specialised Meteorological Centre in Nadi (RSMC-Nadi), Fiji and the NMHSs that it serves in the following Pacific SIDS; Cook Islands, Fiji, Kiribati, Nauru, Niue, Tokelau and Tuvalu. Moreover, the project supports the Federated States of Micronesia (FSM), the Republic of Marshall Islands (RMI), Palau, Samoa, Solomon Islands, Tonga, and Vanuatu. The prioritization is based on regional</p>	



	<p>outreach, and other projects under implementation in the region.</p> <p>The project has three main components:</p> <p><u>Improved governance</u>: strengthened governance structures and mechanisms for regional centres and NMHSs targeted by the project are in place.</p> <p><u>Enhanced product development and accessibility</u>: enhanced regional and national facilities and capacities of regional centres and NMHSs targeted by the project to produce impact-based forecasts and risk-informed warnings of extreme and high impact hydro-meteorological events, accessing and using global and regional data, products and services.</p> <p><u>Enhanced service delivery</u>: Regional centres and NMHSs targeted by the project better deliver impact based and risk informed hydro-meteorological data, products and services to MHEWS stakeholders for their decision support.</p> <p>Moreover, SPC, SPREP and the Meteorological Service of New Zealand are implementing subcomponents of the project. The project links closely with other regional initiatives including the Australian Government funded project Climate and Ocean Support Program in the Pacific (COSPPAC) implemented through the Australia Bureau of Meteorology (BoM), the Government of Russia funded project “Disaster Resilience for Pacific Small Island Developing States” implemented by UNDP, the GEF funded “Tuvalu Coastal Adaptation Project” implemented by UNDP and SPC, and the German Development Bank funded (KfW) initiative “Recovery Support for Tropical Cyclone Pam” implemented by SPC.</p>
8. Progress summary	<p>What has been achieved between January - June? – Please list the most significant and tangible developments?</p> <p>The reporting period has seen significant progress highlighting the following:</p> <p><u>Improved governance</u>:</p> <ul style="list-style-type: none"> - Following requests from the Fiji government to amend the National Strategic Plan (NSP) for Fiji



Meteorological Service (FMS) to align with national priorities, the process of reviewing and updating the Strategic Plan is currently underway. The review is done remotely due to the travel restrictions associated with COVID-19 causing delay to a scheduled consultation planned for April 2020.

- The National Strategic Plan for the Tuvalu Meteorological Service has been finalized and approved by the Tuvalu Meteorological Service. The Strategic Plan is expected to be designed and printed for a launch in Tuvalu once the State of Emergency (SOE) due to COVID-19 is lifted.
- The draft Strategic Plan for Tonga's Hydrology and Water Resources Division of the Natural Resources Department / Ministry of Land and Natural Resources (MLNR) is undergoing review. Delays were experienced to the review due to travel restrictions associated with COVID-19 and Tropical Cyclone "Harold" that devastated parts of Tonga.
- Following an internal decision in WMO, the development of NSPs will include the development of a National Framework for Weather, Water and Climate Services (NFWWCS) and the related action plans.
- The review and update of the NSP/NFWWCS and related Action Plan for Kiribati is underway and will be the first consultancy in the Pacific where these two tasks are carried out under the same contract. The consultancy assignment started in early May and the consultant is conducting a desktop review and online surveys to gather information until travel restrictions are lifted.
- The ToRs for the development of NSP/NFWWCS and related Action Plan for Tonga, Palau, Federated States of Micronesia, and the Republic of Marshall Islands are currently being finalized, and the consultancies will take place in Q3 and Q4 of 2020. Early discussions have taken place with FSM, RMI and Palau on this activity and focal points have been identified to lead the activities in-country. There is also an ongoing discussion on partnership with NOAA to assist WMO consultants by providing advice and review of plans due to the unique arrangement between FSM, RMI and Palau and the US through NOAA.
- The meteorological bill for Tuvalu was reviewed and was scheduled to be presented to the Tuvalu National Parliament. However, due to COVID-19, the session was postponed to an undetermined date.



- A consultant has been identified to draft the Solomon Island's meteorological bill, nevertheless, the release of the consultant is on hold due to COVID-19.
- The Pacific Meteorological Council (PMC) and the Pacific Ministerial Meeting on Meteorology (PMMM) are scheduled for September/October. However, due to COVID-19 the host country Cook Islands through its Ministry of Foreign Affairs and Meteorological Service has informed SPREP that these events could be postponement to the latter part of the year 2020 or 2021. Dates are yet to be confirmed.
- On March 2020, WMO signed an Implementing Agreement (IA) with ADPC to undertake and collaborate on assessing the capacities, gaps and needs of NMHSs and their national multi-hazard early warning systems (MHEWS) including regional and global support mechanisms in Pacific SIDS. ADPC has not started the assessment due to travel restrictions associated with COVID-19.

Enhanced product development and accessibility:

- The implementation of a high-resolution NWP mesoscale model in Fiji is currently ongoing. The procurement process for the high-performance computer servers was completed by WMO in March 2020 and the servers were scheduled to be delivered to Fiji in June 2020. Due to the current situation, delivery dates are still to be confirmed. Soon after the installation, the implementation of a high-resolution NWP will be initiated in collaboration with global and regional NWP centres.
- Effective of 1 September 2019, an ecChart from the European Center for Medium-Range Weather Forecasts (ECMWF) tool license is also implemented for FMS/RSMC Nadi for three years (2019-2022). The license agreement is for the supply of ECMWF products through its ecChart tool.
- Under FijiFFGS, HRC has started remote installation and IT Training related to the servers delivered to FMS. The FijiFFGS events that were scheduled for April 2020 consisting of the Step 4 training to identify meteorological and hydrological forecaster to become trainers for Fiji and the Pacific region, in-country training workshop on radar to equip Fiji Meteorological Service staff with the understanding and tools to use in order to discern the uncertainties in the weather radar data ingested and quality controlled by



FijiFFGS, and the Flash Flood Simulation Exercise. These events could not take place due to COVID-19. Presently, these are in planning stages and can be implemented when travel restrictions are lifted.

- In March 2020, WMO entered into an agreement with MetService New Zealand to conduct the in-country Severe Weather Forecast and Disaster Risk Reduction Project (SWFDP) in South Pacific training workshops on forecasting and warning services for severe weather for 10 Pacific SIDS (Cook Islands, Fiji, Kiribati, Nauru, Niue, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu). Nevertheless, the workshops are delayed due to COVID-19 and cannot take place until travel restrictions are lifted.
- The SWFDP in South Pacific Regional Subproject Management Team (RSMT) meeting is planned to take place on 27 July 2020, held back-to-back with the 18th session of the Tropical Cyclone Committee for the South-West Pacific and Indian Ocean from 28 to 31 July 2020. These events could not take place due to COVID-19.
- The Impact-based coastal inundation forecasting in Kiribati and Tuvalu progressed according to plans until the outbreak of COVID-19: The instrumentation related to baseline data collection in Kiribati and Tuvalu was installed and deployed in 2019.
 - In Tuvalu hazard assessments of all sites except for Funafuti have been completed and the data has been retrieved and analysed. The data will validate the inundation forecast models for Nanumea, Niulakita, Nui and Niutao. Tide data for all atolls were analysed by SPC and the geodetic data collected in all islands were processed and integrated with local tide data to establish a local vertical reference datum for all atolls. To date, SPC provided local reference datum for Nanumea, Nanumaga and Funafuti. This information is shared with Furgo for them to produce bathymetry and topography data for Nanumea, Nanumaga and Funafuti.
 - For Kiribati hazard assessments are completed, the satellite derived bathymetry of Tarawa Atoll to be used as baseline for the forecast model was inspected against the in situ multibeam and single beam bathymetry data previously collected by SPC and some discrepancies were identified as expected when comparing different sets of data. SPC is currently looking at other donor partners to assist funding for high quality bathymetry and topography data for Tarawa in order to produce better models. Nonetheless, SPC is



successfully delivering an inundation forecast system.




- After reviewing the Report on the feasibility study to establish FM radio stations(s) in Tokelau, it was considered that the report would need further improvement that the consultants were unwilling to provide. WMO will therefore need to identify an alternative consultant to complete the feasibility study and the report.




Enhanced service delivery

- The Sixth Pacific Islands Climate Outlook Form (PICO-6) took place virtually on 21 April 2020. 27 participants (11 female and 16 male) from Pacific SIDS and 23 participants (11 female and 12 male) from international and regional organizations participated in PICO-6. Six regional agencies providing regional guidance for climate and tropical cyclones' outlooks in the Pacific regions also made presentations. These agencies include Australia BoM, US National Oceanic and Atmospheric Administration (NOAA), NIWA New Zealand, APCC, RSMC Nadi, SPREP, and Meteo-France New Caledonia. During and following the Forum, a Summary Statement on the State of Climate from November 2019 to April 2020 and Climate Outlook for May to October 2020 for the Pacific Islands, was discussed, further developed, and issued on 28 April 2020.
- Four NCOFs (Tuvalu, Solomon Islands, FSM and Tonga) are currently in the planning stages, and will take place in Q3 and Q4 if/when the travel restrictions are lifted
- The National Workshop on IBFWS for the Solomon Islands was scheduled from 15 to 19 June 2020. This activity is currently in the planning stage and cannot be completed until travel restrictions due to COVID-19 are lifted.



9. Project Performance

Interpretation of color coding		
	High	Good progress; on track in most or all aspects of delivery.
	Medium	Moderate progress or on track in some aspects of delivery.
	Low	Less than moderate or poor progress. Not on track in critical areas of its delivery. Requires remedial attention.

	Rate of expenditure	Rate of delivery	Alignment of Objectives
Coding			
Narrative	The rate of expenditure is on track with a total expenditure of USD 1,857,466 (74%) from the CREWS Contribution.	Overall, project delivery has progressed according to plans with some delays. However due to COVID-19, we are experiencing and foreseeing further delays in the project implementation, both on activities implemented directly by WMO and partners including SPREP, SPC, MetService New Zealand, HRC and ADPC. These delays are a direct result of the international travel bans and national restrictions on movement and gathering of people.	The project remains aligned to its original objectives.



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10. Risk Management Status

Risk Status	<p>What is the current risk status as compared to what was identified in the project proposal?</p> <p>The overall risk is low, nevertheless, the current COVID-19 pandemic is increasing the risk for delays in project implementation to medium/high.</p>
Measures to address	<p>What mitigation measures have been developed to address the risk status?</p> <p>Risks are being mitigated through close cooperation and regular consultations with the implementing partners SPC, SPREP, MetService New Zealand, HRC and ADPC, and coordination and regular consultations between the beneficiary NMHSs and WMO. The project receives continued support from WMO Regional Office for Asia and the South-West Pacific in Singapore and WMO Office for the South-West Pacific in Apia, Samoa. This setup allows for an ongoing and regular dialogue between WMO, project's implementing partners and beneficiaries to analyze the impact of risks, and the potential mitigating efforts.</p> <p>Due to the COVID-19 pandemic all activities, including training, consultation and assessment have been delayed. In order to mitigate the impacts of COVID-19, WMO together with partners are continuing the dialogue remotely and identify alternative solutions where appropriate.</p>



11. Contributions to CREWS Output(s)

11.1 National Output(s)

CREWS Output(s) 1: National Meteorological and Hydrological Services service delivery improved, including the development of long-term service delivery strategies and development plans				
State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020
1.1 Regional assessment of public and private capacities, gaps and needs with respect to MHEWS governance, product generation and service delivery.	1 regional assessment.	1 regional assessment.	0	0
1.2 In-country assessments of NMHS capacity (Link to 1.4 under strategic planning and 1.1).	8 in-country assessments.	3 in-country assessments.	2 assessments (Tuvalu and Tonga)	3 assessments (Tuvalu, Tonga and Kiribati)
1.3 Regional workshops to increase awareness of national MHEWSs and regional/global support mechanisms, and the understanding by MHEWS stakeholders of their respective roles and responsibilities (Link to 1.1).	1 Regional workshop.	1 Regional workshop.	0	0
1.4 Development of long-term strategic plans for targeted NMHSs (Link to 1.2).	8 Strategic Plans.	3 Strategic Plans.	0	2 (Tonga and Tuvalu)
1.5 Development of Meteorological Bills for targeted NMHSs.	1 Meteorological bill	1 Meteorological bill	0	1 (Tuvalu)
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words) <u>Output 1.1</u> <ul style="list-style-type: none"> The IA for the regional assessment was signed with ADPC in March 2020. The assessment is currently on hold due to COVID-19. 				



Discussions are on-going to potentially commence the review using digital platforms.

Output 1.2

- Assessments of the national capacities of NMHSs are incorporated under the development of the strategic plans (Output 1.4).
- Assessment of the national capacities of NMHSs are carried out through consultations at the national and local levels, Tonga and Tuvalu assessments completed. Kiribati's assessment will take place between May and August 2020.

Output 1.3

- Will follow output 1.1.

Output 1.4

- The development of Tonga's Strategic Plan for the Hydrology and Water Resources Division of the Natural Resources Department / MLNR is ongoing. Contracts have been extended because of the impacts from Australian forest fires on the consultants' families as well as the COVID-19 travel restrictions. The first draft submitted by the consultants is currently being reviewed. Although the mission to Tonga is now pending until travel ban is lifted, the consultants continue to dialogue and gather feedback online using email discussions and teleconference.
- The Strategic Plan for Tuvalu Meteorological Services was approved by the Tuvalu Meteorological Service in April 2020. The NSP will be published, and a soft launch is planned in Q3, or when the pandemic is under control.
- In order to ensure a stronger consultation approach and integrate two practices, the ToRs for the national strategic plan were amended to include a national framework for weather, climate and water services along with an action plan. The changes in the ToR delayed the hiring of the consultants for the development of the Kiribati NSP/NFWWCS and related Action Plan. The consultancy commenced in May 2020.
- Plans are underway to develop NSPs/NFWWCSs and related Action Plans for FSM, RMI, Tonga and Palau. The NSP/NFWWCS for FSM, RMI and Palau have been discussed with US NOAA due to the unique arrangement of their National Weather Services (NWSs) with the US under respective COMPACT agreement. Under this agreement the US through NOAA provides the resources and weather services to these countries. They have given their full support for this



specific activity as it aligns with their plans as well. The initial discussions with FSM, RMI and Palau have taken place, and the relevant ToRs and consultancy agreements are under preparation.

Output 1.5

- The consultant for the development of the Solomon Islands meteorology bill has been identified, but due to COVID-19 the release from the Government duties in Tonga is delayed.
- Plans are underway to develop Kiribati's meteorology bill. Nevertheless, WMO is still awaiting the clearance from the Government of Kiribati to initiate the activity. This clearance is held up as the Government is prioritizing efforts towards protection from COVID-19.
- The meteorology bill for Tuvalu was reviewed and was scheduled to be presented to the Parliament however, due to COVID-19, the meeting was postponed to an undetermined date.

CREWS Output(s) 2: Risk Information to guide early warning systems and climate and weather service developed and accessible

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020
2.1 Implementation of Fiji Flash Flood Guidance System (FFGS).	Operational FFGS in Fiji.	Include RADAR data into the FijiFFGS.	7 Fiji Met Service staff received Radar Hydrology Training.	RADAR data ingestion into the FijiFFGS at HRC is ongoing but delayed by travel restrictions.



2.2 Impact-based coastal inundation forecasting in Tuvalu and Kiribati.	Coastal Inundation forecasting operational for 3 sites.	Continued installation of hardware and data collection	The development of the wave models for both Tuvalu and Kiribati as well as final procurement of wave buoys and pressure sensors are completed.	Data collection and hazard assessment of sites in Kiribati and Tuvalu completed (except Funafuti)
2.3 Regional Climate Outlook Fora.	Support for 3 PICOFs.	0	2	3
2.4 National Climate Outlook Fora.	Support for 5 NCOFs.	1	1 (Tonga)	0
2.5 National drought consultations.	4 National drought consultations.	N/A	2 (2017)	
2.6 In-country training workshops on forecasting and warning services for SWFDP.	10 national training workshops.	5	0	0
2.7 Other capacity building initiatives for NMHSs.	Needs based.			
<p>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</p> <p><u>Output 2.1</u></p> <ul style="list-style-type: none"> • Remote installation and IT training ongoing. • RADAR data ingestion into the FijiFFGS at HRC is ongoing but delayed by travel restrictions. • The FijiFFGS Simulation is also postponed due to COVID-19. <p><u>Output 2.2</u></p>				



- The Impact-based coastal inundation forecasting in Kiribati and Tuvalu progressed according to plans until the outbreak of COVID-19. The instrumentation related to baseline data collection in Kiribati and Tuvalu was installed and deployed in 2019. Hazard assessments for all sites except for Funafuti (Tuvalu) have been completed, bathymetry data collected has been inspected, and discrepancies have been identified with previously collected data have been identified.

Output 2.3

- PICO-6 took place in April 2020 virtually and a PICO Regional Statement summarising climate and ocean conditions over the past months and Seasonal Outlook May-October 2020 was produced as an output of April-PICO. Next PICO meeting is scheduled for October 2020.

Output 2.4

- NCOs scheduled in Solomon Islands September 2020 and in Tuvalu October 2020. FSM and Tonga dates to be confirmed as unclear due to COVID-19.

Output 2.6

- The agreement for the training workshops has been signed with MetService New Zealand. Trainings and workshops that require travel are foreseen to be postponed due to COVID-19 travel restrictions.
- One RSMT completed. The next RSMT was scheduled to take place back-to-back with the Tropical Cyclone Committee (TCC), nevertheless, this was postponed due to COVID-19.

Output 2.7

- A study tour was planned for Vanuatu Meteorology and Geo-Hazard Department (VMGD). Activity is pending as travel restrictions apply due to COVID-19. VMGD will liaise with FMS on potential dates and approval for Vanuatu's request before the tour can take place.



CREWS Output(s) 3: Information and Communication Technology, including common alerting protocol, strengthened

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020
3.1 Upgraded webpage of 4 NMHSs.	4 webpages.	1 web page.	1 Webpage operated (Cook Islands) 1 website design completed (Tuvalu).	2 additional website designs rolled out and completed for Kiribati and Nauru.
3.2 Regional training on IT.	2 Regional trainings.	1	1	0
3.3 Procurement and installation of HPC for implementation of NWP LAM in FMS/RSMC Nadi	Installation of a HPC.	Preparation for installation underway.	Preparation underway.	Ongoing.
3.4 Feasibility study conducted for FM Radio in Tokelau.	1 feasibility study.	0	0	0
3.5 CAP Jumpstart Workshops.	CAP Jumpstart workshops in 7 countries.	N/A	7	7
3.6 CAP online training module developed.	1 training module	N/A	1	1
3.7 In-country and regional workshops on dissemination pathways and enhancement of communication.	Needs based.		1 TV workshop in Fiji (2017).	



Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)

Output 3.1

- Cook Islands Meteorological Service website is operational. Website design for Tuvalu Meteorological Service completed. Moreover, scoping mission for Palau and RMI have been completed. Kiribati and Nauru website design has been completed and rolled out by March 2020. The activities in Palau, RMI and Niue is pending due to COVID-19 travel restrictions, thus the website design originally scheduled for completion in August 2020 is to be confirmed. Website design for Niue is also pending and timing will be confirmed.

Output 3.2

- The IT Capacity Development workshop planned for July 2020 has been postponed due to COVID-19

Output 3.4

- As a result of unsatisfactory deliverables from consultants, the identification of new consultants is currently in process to carry out the feasibility study for FM Radio in Tokelau

Output 3.5

- Completed in 2017

Output 3.6

- Completed in 2018

Output 3.7

- Workshop took place in 2017

CREWS Output(s) 4: Preparedness and response plans with operational procedures that outline early warning dissemination processes developed and accessible

State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020



4.1 Regional workshops to initiate impact-based forecasting with relevant stakeholders and implement the WMO Strategy for Service Delivery.	1 regional workshop.	N/A	1	1
4.2 National workshops on impact-based forecasting.	4 workshops.	0	0	0
4.3 Community-based early warning services (CBEWS) in Niue, FSM and RMI.	4 CBEWS in place.	Selection of sites in 4 countries. Jump start workshops in 4 countries.	3 consultation workshops completed (RMI, Niue and Palau).	3
<p>Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)</p> <p><u>Output 4.1</u></p> <ul style="list-style-type: none"> Activity took place in October 2019. <p><u>Output 4.2</u></p> <ul style="list-style-type: none"> The National Workshop on IBFWS for the Solomon Islands is planned for 15 to 19 June 2020. This activity is currently in the planning stage and cannot be completed until travel restrictions due to COVID-19 are lifted. <p><u>Output 4.3</u></p> <ul style="list-style-type: none"> CREWS Community Consultations/Workshops have been completed in RMI, Niue and Palau. Funding has been transferred to respective agencies for the implementation of the community EWS programmes. The Community/consultation workshop has not yet been completed in FSM and will be will take place when travel restrictions due to COVID-19 are lifted. Training on Traditional Knowledge collection and documentation has been completed in Palau, RMI and Niue. Installation of TK database is completed in RMI and Palau. 				



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CREWS Output(s) 5: Knowledge products and awareness programmes on early warnings developed				
State Project Output(s) in this section	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words)				

CREWS Output(s) 6: Gender-sensitive training, capacity building programmes provided				
State Project Output(s) in this section.	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020



Female staff in targeted NMHS have been trained on women in leadership.	1 Women in Leadership Workshop and Training.	N/A	1	1
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words) Workshop took place in August 2019.				

11.2 Regional Output(s)

CREWS Regional Output(s): Institutional and human capacities at Regional WMO and Intergovernmental organizations to provide regional climate and weather services to LDCs and SIDS increased				
State Project Output(s) in this section.	Overall Project Target	Target for reporting period	Progress by January 2020	Progress by June 2020
R.1 Development of long-term strategic plan for FMS/RSMC Nadi.	1 strategic plan.	N/A	Activity completed September 2017.	Draft Revised Strategic Plan.
R.2 Implementation of a high-resolution NWP mesoscale model in Fiji.	FMS/RSMC Nadi staff have the necessary skill set to implement high resolution NWP model in Fiji.	HPC Servers Procured.	Procurement ongoing.	HPC Servers Procured.
R.3 Access for FMS and RSMC Nadi to high-quality NWP products and relevant tools.	ECCharts for FMS/RSMC Nadi in place.	ECCharts available for 2020.	ECCharts available until September 2022.	ECCharts available until September 2022.



R.4 RSMC Nadi website and portal upgraded.	1 upgrade of website and portal.	1 upgrade of website and portal.	Activity postponed.	Activity postponed.
Narrative: briefly indicate the major issues or challenges faced and mitigation steps taken to addressing them. (150 to 200 words) R.1 <ul style="list-style-type: none"> Following the request from the Permanent Representative of Fiji, the strategic plan developed in 2017 is currently undergoing a revision to take into consideration the new structure of FMS and align with global frameworks and agreements such as the Paris Agreement, the Sustainable Development Goals and the Sendai Framework. R.2 <ul style="list-style-type: none"> The process to procure HPC servers was completed in March 2020. The servers were scheduled to be delivered in June 2020, but delivery is currently pending the lifting of the international travel ban due to COVID-19. Once delivered, the servers will be installed, and relevant training will follow. The implementation of high-resolution NWP will be initiated in collaboration with global/regional NWP centres soon after the installation of HPC servers at FMS/RSMC Nadi. R3 <ul style="list-style-type: none"> The license for the ECCharts for FMS/RSMC Nadi was obtained in September 2019, and will give access for FMS/RSMC Nadi to European Centre for Medium-Range Weather Forecasts (ECMWF) products through its ecChart tool until September 2022. R4 <ul style="list-style-type: none"> This activity will follow the installation of HPC Servers and is moved to the Pacific 2.0 proposal. 				

12. Contributions to Value Propositions

Gender Sensitive	<p>Gender specific indicators have been developed under the sub-projects with SPC and SPREP. Partners are being asked to report on gender, and SPREP has set a target to ensure that participation of female staff and stakeholders is never under 30%.</p> <p>In the assessments of NMHS' capacities and regional assessments, special attention is given to the different ways women and men, girls and boys and vulnerable groups are accessing weather and climate information as well as early warnings.</p>
Multiplier	Certain project components are building on existing and/or past successful initiatives such as CBEWS and



	<p>promoting these in in other countries. The components are building on activities first piloted under FINPAC and COSPPAC projects. Through the CREWS Pacific SIDS project, the lessons learned have been taken into consideration, as well as the expansion to countries that were not involved in previous initiatives.</p>
People-centered	<p>The CBEWS component led by SPREP is people-centred, and focuses on reaching communities that are not currently well connected with the NMHSs. In Niue, CBEWS is focused on youth. The choice of countries and communities were based on reaching the last mile. The impact-based coastal inundation forecasting systems for Kiribati and Tuvalu are implemented for specific identified communities and include assessments of these communities' vulnerability to coastal inundation and educating them on the risks associated with coastal inundation. FijiFFGS through the planned simulation exercise will reach out to communities in Fiji.</p>
Promote Coherence	<p>The project is promoting coherence through cooperation with other ongoing projects in the region (including KfW project, UNDP TCAP, UNDP RESPAC, UNDP CLEWS Project, and COSPPac), and active participation in, and contributing to, the formulation of new proposals including the UNEP GCF Project Proposal currently under development.</p>
Solution-oriented	<p>The project promotes an active dialogue with the beneficiaries, looking to find solution to their identified EWS related problems.</p> <p>In Fiji (FMS), the first ever training on downloading global and regional NWP data and developing value-added products served as an eye-opener to use global and regional NWP model data instead of developing high resolution develop limited area model for Fiji. In addition to these, the training has brought together meteorologist and IT programmers to discuss data and subsequently development of tailored products for Fiji. FijiFFGS planning meeting and the on-line training have further brought together meteorologists, hydrologists, climatologists, IT programmers, and Disaster Managers. Additionally, FijiFFGS provides a country-wide monitoring system for potential floods instead for each river basin or catchment.</p>
Unique	

13. Visibility products

a. Insert or copy any links to press releases, videos or communication items and/or social media links

14. Supporting documents



- a. List and annex to the report any documents providing details on project activities such as reports of training sessions, assessment reports, online solutions and tools, manuals, summaries of high-level discussions etc.***