

Mapping of current weather and climate capacity enhancement projects and programmes in the Pacific region: An update to the PIMS 2017-2026 Priorities and Pacific Key Outcomes

PRIORITY 1: IMPROVED WEATHER SERVICES

PACIFIC KEY OUTCOME (PKO) 1: Improved meteorological services for air navigation			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
RESPAC	Instrument support (Automatic Weather Stations) for weather/aviation forecast services	PNG, Samoa, Cook Islands	UNDP, NMHS, SPREP
HimawariCast Project	Improving aviation weather forecasting, and to improve tropical cyclone monitoring and warning systems at national level	Cook Islands, Kiribati, Nauru, Niue, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu, Fiji	JICA, WMO, SPREP, Fiji Met Service
Tuvalu QMS	- Communications and observation systems update for aviation services improvement - Implementation of aviation QMS for Tuvalu	Tuvalu	JICA, Fiji Met Service
Various AF	Airport AWS installations which were installed for climate purposes but	Cook Is, PNG, Tonga	ADB, RESPAC-UNDP
	Software to assist weather coded reporting (METAR, SYNOP) from AWS	Vanuatu, Cook Islands	GEF-UNDP, EU
Van-KIRAP	Automatic weather station Weather Radar	Vanuatu	SPREP, GCF, BoM, CSIRO, APCC
Strengthened weather and climate services for resilient development for Pacific islands	<ul style="list-style-type: none"> NMHSs assessed and gaps identified relative to compliance with international standards and recommended practices in Annex 3 to the Convention on International Civil Aviation <ul style="list-style-type: none"> NMHSs personnel are trained and certified to competency standards of Aeronautical Meteorological Forecasters (AMF) and Aeronautical Meteorological Observers (AMO). Enhanced coordination between NMHSs and aviation stakeholders through the establishment of coordination modalities Regional and national policies for cost recovery for provision of meteorological service to aviation stakeholders 	Cook Islands; FSM; Fiji; Kiribati; Nauru; Niue; Palau; PNG; RMI; Samoa; Solomon Islands; Tonga; Tuvalu; and Vanuatu	SPREP & APCC GCF pipeline

PACIFIC KEY OUTCOME (PKO) 2: Improved Marine weather services and establishment of ocean services			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
COSPPac WMO CREWS	- Observations, communications and forecasting systems support for marine weather services improvement - Ocean services establishment - Marine weather and oceans services stakeholders engagement	Tuvalu	SPC, DFAT, BoM, GA, NZ MetService, MFAT, KfW, WMO

COSPPAC/NOAA partnership	- WAKE buoy installation, maintenance	RMI	NOAA, BoM, PACIOOS, UNEP
HimawariCast Project	- Improving marine weather forecasting, and to improve tropical cyclone monitoring and warning systems at national level	Cook Islands, Kiribati, Nauru, Niue, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu, Fiji	JICA, WMO, SPREP, Fiji Met Service
CIFDP WMO CREWS	- Wave and inundation forecast system in development - Initial training and monitoring system planning conducted - System successfully tested to support 2 inundation alerts in 2018	Fiji, Tuvalu, Kiribati	SPC, WMO, Korea, Fiji Government, Tuvalu Government, Kiribati Government
Fiji Storm Surge Project	- Storm surge forecasting and modelling project in Fiji, for FMS severe weather forecasting capability	Fiji	KMA (Korea), SPC, WMO, DFAT, Fiji Government
CRSP (Climate Resilience Sector Project) – Design, Procurement and installation of Tonga Meteorological and Coastal Monitoring System	- Wave height/period measurements - High resolution SWH modelling/forecasting - Sea surface temperature/height	Tonga	ADB, NIWA, Tonga Government
NZ-Pacific Partnership Ocean Acidification 2016-2020	- Capacity building - Research, monitoring and adaptation action in the selected sites of the 3 countries	Fiji, Kiribati, Tokelau	Government of New Zealand, Principality of Monaco, SPREP, USP, SPC
Strengthened weather and climate services for resilient development for Pacific islands	<ul style="list-style-type: none"> Establish marine and oceans services in all PIC's as a basis for improving coordination and improved services Coordination guideline for with the marine and ocean sectors (include Ports Authority) developed and approved Meteorology and oceanography certification of NMHSs 	Cook Islands; FSM; Fiji; Kiribati; Nauru; Niue; Palau; PNG; RMI; Samoa; Solomon Islands; Tonga; Tuvalu; and Vanuatu	SPREP & APCC GCF piepline
COSPPac	- Ocean services establishment - Production of seasonal ocean bulletin or other warning/data products - Attachment training - In-country training and stakeholder engagement with ocean data users and relevant agencies - Preparation for OceanObs'19 Conference in Hawaii with 9 PICs NMS participants - Journal paper written on the Pacific Ocean Portal, training, and outcomes of project this far, to be published in Frontiers of Marine Science 2019 • Ongoing observations, upgrades and maintenance of Pacific Sea Level and Geodetic Monitoring Project stations in 13 PICs, training and capacity building/hand over of technical roles to local staff	RMI, Tonga, Tuvalu, Samoa, Niue, Vanuatu, Fiji, Kiribati, Nauru, PNG, Solomon Islands, Cook Islands, FSM	SPC, BOM, USP, GA, SPREP
PREP II	- Deployment and retrieval of oceanographic instruments - Data analysis underway - LiDAR survey - Strengthening of ocean-driven inundation forecast in the pipeline	RMI	World Bank, SPC, RMI Government, University of Cantabria, Spain
PREP I	- Strengthening early warning systems -	Tonga and Samoa	World Bank, SPC, Tonga, Samoa, BOM, CSIRO, Deltares, Tonkin & Taylor

PACIFIC KEY OUTCOME (PKO) 3: Improved Public weather services			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
UKMO Pacific Fund 2019-2022	Supporting the Upper Air Operation of Tuvalu and Kiribati	Tuvalu, Kiribati	UKMO, SPREP, NZ MetService
HimawariCast Project	Improving public weather forecasting, and to improve tropical cyclone monitoring and warning systems at national level	Cook Islands, Kiribati, Nauru, Niue, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu, Fiji	JICA, WMO, SPREP, Fiji Met Service
UNESCAP BMKG PNG Drought EWS	- Drought warning system for PNG	PNG	BMKG (Indonesia), UNESCAP
Various AF	Real time weather data displays (NEON, CliDEsc)	Cook Is, Fiji, Kiribati, PNG, Samoa, Solomon Is, Tonga, Vanuatu	NIWA
Various AF	Automatic ingest of AWS data in to CliDE	Region	NIWA Various
Various AF; COSPPac	Data analysis and visualisation to support web services and climate reporting	Cook Is, Fiji, Kiribati, PNG, Samoa, Solomon Is, Tonga, Vanuatu	NIWA
Strengthened weather and climate services for resilient development for Pacific islands	<ul style="list-style-type: none"> PICs weather, climate and hydrological services legislations, policies, strategies and plans are developed, revised or updated as basis for enhanced, coordination, mainstreaming, dissemination and use of weather and climate information Gender equity and social inclusion (GESI) and human-rights based approach The deliverables for the PMC's Panels (Hydrology; Climate; Marine and Oceans; Aviation Weather; Education Training and Research; Infrastructure and Communication) are implemented. ICT platforms are enhanced to provide new and innovative service packages 	Cook Islands; FSM; Fiji; Kiribati; Nauru; Niue; Palau; PNG; RMI; Samoa; Solomon Islands; Tonga; Tuvalu; and Vanuatu	AE & EE – SPREP Delivery partner(s) – APCC GCF pipeline
Enhancing Early Warning Systems to build greater resilience to hydro and meteorological hazards in Pacific Small Island Developing States (SIDS)	<ul style="list-style-type: none"> Establishment of backup national early warning centers; Improvement of facilities and infrastructure for EWSs and services at the provincial government level, local district and area council level, and local community level. This activity includes new and/or upgraded infrastructure, information technology and communication support systems, in the provinces; Building community response capabilities and resilience through greater inclusion of communities and NGOs/CBOs in the development of EWSs, implementation of improved communication mechanisms and tailoring of the warnings issued for impending hydrometeorological events; Strengthening local and village communities' understanding of, and access to, warnings and risks information associated with hydrometeorological hazards. This includes "communication champions" providing training to local, village and remote rural islands (last mile) communities including women, girls, youth, children, disabled people, vulnerable people and people disproportionately affected by disasters especially the poorest people; 	Fiji, PNG, Solomon Islands, Vanuatu	AE & IE – SPREP Delivery Partner(s) – tbc GCF pipeline

	<ul style="list-style-type: none">• Developing community level integrated hydro-meteorological hazard/disaster plan. The plan will include EWS, hazard risk reduction, response, recovery and rehabilitation and develop or improve standard operating procedures for the community;• Strengthening provincial to village and local communities coordination mechanisms: Review and improve institutional arrangements at province, village and local community levels;• Support the implementation of the plans developed in key communities to the extent that resources allow through e.g. training, awareness raising, and community-level infrastructure. This will include communities in all of the target countries, urban communities, rural and remote communities		
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PRIORITY 2: DISASTER RISK REDUCTION

PACIFIC KEY OUTCOME (PKO) 4: Strengthened NHMS capacity to implement Multi-Hazard Early Warning Systems (MHEWS) for tropical cyclones, coastal inundation and tsunamis			
Project / Activity Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
WMO CREWS	<ul style="list-style-type: none"> - Community based EWS developed and supported - Traditional knowledge of climate and weather captured, utilized for improving weather and climate information uptake - Incorporating traditional and new structures for information dissemination and capacity enhancement - Niue CBEWS (community based early warning system), use of non-traditional actors as supporting traditional leaders on early warning systems to build EWS redundancy and improve outreach of warning information in local communities 	FSM, Niue, Palau, RMI	NMHS, WMO, SPREP, Canada, Australia, France, Germany, Luxembourg, Netherlands, Switzerland
CIFDP	<ul style="list-style-type: none"> - Wave and inundation forecast system in development - Initial training and monitoring system planning conducted - System successfully tested to support 2 inundation alerts in 2018 	Fiji, Tuvalu, Kiribati	SPC, WMO, Korea, Fiji Government, Tuvalu Government, Kiribati Government
PREP II	<ul style="list-style-type: none"> - Deployment and retrieval of oceanographic instruments - Data analysis underway - LiDAR survey - Strengthening of ocean-driven inundation forecast in the pipeline 	RMI	World Bank, SPC, RMI Government, University of Cantabria, Spain
PREP I	<ul style="list-style-type: none"> - Strengthening early warning systems 	Tonga and Samoa	World Bank, SPC, Tonga, Samoa, BOM, CSIRO, Deltares, Tonkin & Taylor
UNDP CLEWS			
COSPPac	-	Niue	
HimawariCast Project	<ul style="list-style-type: none"> - Improving tropical cyclone monitoring and warning systems at national level - SATAID installations and training in country NMHS' 	Cook Islands, Kiribati, Nauru, Niue, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu, Fiji	JICA, WMO, SPREP, Fiji Met Service, NMHS
2 Samoas Coordination	<ul style="list-style-type: none"> - Coordination of Agreement pre and post TC season, focused on coordinating warning and advisory bulletins 	American Samoa, Samoa	Samoa, American Samoa, WMO, SPREP
TC Threat Map	<ul style="list-style-type: none"> - SPREP partnership assistance to Am. Samoa to develop community focused TC threat maps for dissemination to local communities and disaster management related agencies 	American Samoa	SPREP, NOAA NWS (American Samoa)
Impact Decision Support Services	<ul style="list-style-type: none"> - NOAA NWS American Samoa partnership with local disaster management agencies to strengthen advisory support services on local hazards 	American Samoa	Local government agency partnership
PTWC, PRIMO EWS, UNESCO support activities	<ul style="list-style-type: none"> - NOAA NWS (APIs plus Territories) aligned activity in partnership with PTWC and local disaster management support agencies on 10-year anniversary of 2009 American Samoa tsunami event - Tsunami EWS regional workshops (UNESCO) 	US APIs and Territories PICs	PTWC, NOAA NWS, PRIMO, UNESCO

HCLEWS	- Health and Climate EWS (Samoa local partnership with Ministry of Health)	Samoa	National level partnership with MoH
PNGNWS/RIMES Seasonal Forecast partnership	- Provision of seasonal for a to strengthen outreach of climate services and products	PNG	National level partnership
SWFDDP-South Pacific	- Training programme supporting 9 PICs on severe weather forecasting and disaster risk reduction	Solomon Islands, Samoa, Fiji, Vanuatu, Kiribati, Tuvalu, Tonga, Niue, Cook Islands	NZ MetService, Fiji, WMO, Canada
NAPA II Project – Tuvalu	- MHEWS development and capacity building	Tuvalu	NAPA II
Island Climate Update	Island Climate Update	Region	
CLEWS (NZ)	CLEWS installations: end-to-end data management, including observations, curation, and delivery of monitoring and early warning information	Cook Is, Fiji, Kiribati, PNG, Samoa, Solomon Island, Tonga, Vanuatu	
Riskscape	Riskscape asset based vulnerability functions and early warning		NIWA
Riskscape	PARTneR (Pacific Risk Tool for Resilience), drought risk	RMI, Tuvalu, Vanuatu	NIWA
Riskscape	PARTneR (Pacific Risk Tool for Resilience), flood risk	Samoa	NIWA
Strengthened weather and climate services for resilient development for Pacific islands	<ul style="list-style-type: none"> • Collaboration between NMHSs and the WMO Regional Training Centre (RTC) for Meteorology in the Pacific region • Capacity building and training for NMHSs on WMO standards and best practices • NMHSs personnel are trained on management, designing new project proposals as well as appraising and monitoring and evaluating meteorological, climate and hydrological related projects • 	Cook Islands; FSM; Fiji; Kiribati; Nauru; Niue; Palau; PNG; RMI; Samoa; Solomon Islands; Tonga; Tuvalu; and Vanuatu	AE & EE – SPREP Delivery partner(s) – APCC GCF pipeline

PACIFIC KEY OUTCOME (PKO) 5: NHMS contribution to climate change activities			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
COSPPac (incl. PSLM, CLIDE) - Climate and Oceans Support Program in the Pacific (incl. Pacific Sea-Level Monitoring Project, and Climate Data for the Environment)	Developing and strengthening climate change and variability science outreach with particular focus at national level <ul style="list-style-type: none"> - Providing science support to national climate change priority issues, and international UNFCCC agenda issues e.g. downscaling CC projections for local predictions scenarios development 	14 PICs	DFAT, GeoScience Australia (GA), SPC, SPREP, NMHS
Tuvalu Integrated Vulnerability Assessment	<ul style="list-style-type: none"> - NMHSs engagement in National Climate Change plans, policies and forums - Hydrological information for climate change information 	Tuvalu	Tuvalu Disaster and Climate Change Department, Tuvalu Met Services and Key Stakeholders
UNDP CLEWS	- Automatic Weather Stations under adaptation monitoring for CC induced coastal and inland erosion	PNG	UNDP, NIWA
PARTneR	- Pacific Risk Tool for Resilience, flood risk tools development and training	Samoa	

Next Generation Projection for the western Pacific	-		CSIRO, SPREP
IMPACT Project 2017-2019	<ul style="list-style-type: none"> - Strengthening NHMS capacities to contribute to IPCC processes, including the IPCC 1.5°C SR and the Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) - Contribution to the development of the Pacific Climate Change Centre Strategy including building linkages to the WMO Pacific Regional Climate Centre training node. - Marine CC Report Card, Topical Cyclones Projections information for leaders 	14 PICs	Climate Analytics, SPREP

PRIORITY 3: IMPROVED CLIMATE AND HYDROLOGICAL SERVICES

PACIFIC KEY OUTCOME (PKO) 6: Improved climate information and prediction services through the implementation of the Pacific Roadmap for Strengthened Climate Services			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
COSPac (incl. PSLM, CLIDE) - Climate and Oceans Support Program in the Pacific (incl. Pacific Sea-Level Monitoring Project, and Climate Data for the Environment)	<ul style="list-style-type: none"> - Developing and strengthening climate change and variability science outreach with particular focus at national level - Building capacity at NMHS level - Building NMHS/sector partnerships - Tailoring new products and services and decision support systems - Building technical and human resource capacity on CLIDE system, supported by NIWA - Providing science support to national climate change priority issues, and international UNFCCC agenda issues e.g. downscaling CC projections for local predictions scenarios development - Building capacity of stakeholders/sector counterparts - Development and support of national climate outlook forums 	14 PICs	BoM, DFAT, GeoScience Australia (GA), MFAT, NIWA, SPC, SPREP, NMHS
Republic of Korea Pacific Island Climate Information Services Phase 2 (ROK-PI CLiPS 2)	<ul style="list-style-type: none"> - Climate research will be undertaken to develop relevant tools for use in the region. PICASO is an advance analysis tool develop at the first phase of the project will be further improved and expanded to cover new stations and will and further develop a Consensus for Climate Outlook (CoCO) Function. 	14 PICs	Pohang University of Technology (POSTECH), SPREP, APCC, PIFS, Government of Korea
RESPAC	<ul style="list-style-type: none"> - Training workshops for enhancing capacity of current climate services NMHS staff - Upgrade of and maintenance of observation equipment and overall enhancement of technical NMHS capability through improved products and services (including implementation of and strengthening of climate databases) 	14 PICs	UNDP, Russia, India, WMO, NMHS, NIWA
PEAC	<ul style="list-style-type: none"> - Research and information collection to produce a monthly seasonal climate forecasts for US APIs and Territories in the Pacific region 	US APIs and Territories	NOAA NWS, UOG/WERI, UH/SOEST
SPC RENI	<ul style="list-style-type: none"> - Improving strengthening of El Nino related products and services, and their outreach to local communities, and to provide advance advice to local drought management support agencies. 	Palau, FSM, RMI	EU, SPC, local agencies in North Pacific Countries

WMO CREWS	- Assessment of PNG Climate Early Warning System - Data Rescue Activities such as data entry into CliDE.	PNG	PNG, WMO, BoM
Climate Services Roadmap	- Development of Roadmap for Climate Services for Vanuatu	Vanuatu	SPREP
SWoCK SIWSAP GFDRR SRIC-CC VCAP	- Customisation of products and services for sector information	Solomon Is Solomon Is 6-countries Cook Is Vanuatu	GEF -UNDP GEF – UNDP WB – Challenge Fund RESPAC-UNDP EU
Establishing RIMES sub-regional hub in other regions and developing	- Setting up of RIMES centre for the Pacific in PNG - Development of Drought related products - Training	PNG Solomon Islands Samoa Tonga	RIMES

PACIFIC KEY OUTCOME (PKO) 7: Strengthen collaboration between meteorological and hydrological services to better manage water resources and reduce the impact of water related hazards			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
WMO CREWS - Fiji Flood Forecasting Guidance System (FijiFFGS)	- National implementation of the Global Flash Flood Guidance program	Fiji	WMO, UNISDR, HRC, ECCC (Canada)
PMC Hydrology Panel	- New Hydrology Panel established 2018 under PMS to support hydrology services and strengthen collaboration and coordination between weather, climate, and hydrological services.	All PICTs	SPREP, SPC, WMO, NMHS
SEAO FFG SYSTEM	- Flood Forecast Guidance System has been developed	PNG	USAID, BMKG
PNG Climate Adaptation Project	- Pilot Flood Warning System established	PNG	UNDP
Coastal Inundation Forecasting Demo Project Fiji (CIFDP-F)	- Project developing efficient forecasting and warning systems for coastal inundation in Fiji.	Fiji	KMA (Korea), SPC, WMO, DFAT, Fiji Government
Tuvalu Water Security Project	- Improved hydrological infrastructure, communications and forecasting systems to support hydrological services	Tuvalu	SPC
Hydro Telemetry System Samoa	- Upgraded hydro-site telemetry system	Samoa	
Riskscape and PARTneR	- Riskscape and PARTneR	Fiji, Samoa, Republic of the Marshall Islands, Vanuatu, Tuvalu(?)	NZ MFAT (PARTneR)
Hydrology Technician Training	- Hydrology technicians' workshop and training	Fiji	
Hydrology Technician Training Online	- Hydrology on-line training	Region	WMO
Strengthened weather and climate services for resilient development for Pacific islands	<ul style="list-style-type: none"> Climate information services applied to agriculture and water management sectors Socio-economic base for climate information services applied to sectors 	Cook Islands; FSM; Fiji; Kiribati; Nauru; Niue; Palau; PNG; RMI; Samoa;	SPREP & APCC Funding from GCF

		Solomon Islands; Tonga; Tuvalu; and Vanuatu	
Enhancing Early Warning Systems to build greater resilience to hydro and meteorological hazards in Pacific Small Island Developing States (SIDS)	<ul style="list-style-type: none"> Development of hydrological products, including current stream flow condition, ground water level and salinity, and seasonal water outlooks, which can be used as drought trigger 	Fiji, PNG, Solomon Islands, Vanuatu	AE & IE – SPREP Delivery Partner(s) – tbc GCF pipeline

PRIORITY 4: INTEGRATED OBSERVING AND COMMUNICATION SYSTEMS

PACIFIC KEY OUTCOME (PKO) 8: Integrated observing and communication systems			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
COSPPac (mainly CliDE)	<ul style="list-style-type: none"> High quality data support (CliDE) training and software support AWS to CliDE data connection support AWS upgrades and installations 	All 14 PICs	NMHS, SPREP, SPC, GA, BOM, DFAT, MFAT
WMO CREWS	<ul style="list-style-type: none"> Development and training on ICT capacity at national level Development and support of NMHS websites Support for traditional knowledge capture (databases set up) 	14 PICs, Tokelau	NMHS, WMO, SPREP, Canada, Australia, France, Germany, Luxembourg, Netherlands, Switzerland
HimawariCast Project	<ul style="list-style-type: none"> Improving satellite imagery access and data for analytical use for early warning and forecasting systems SATAID installations and training in country NMHS' 	Cook Islands, Kiribati, Nauru, Niue, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu, Fiji	JICA, WMO, SPREP, Fiji Met Service, NMHS
Pacific Resilience Program (World Bank)	<ul style="list-style-type: none"> Seismic stations installation Upgrade of facilities, forecast systems, instrumentation, and other met related infrastructure Installation of additional Automatic Weather Stations 	Samoa, Tonga,	World Bank, Samoa, Tonga
UKMO GUAN support	<ul style="list-style-type: none"> UKMO support to Pacific GUAN stations (supplies of consumables via SPREP) 	Nauru, Cook Islands, Tuvalu, PNG, Vanuatu, Fiji, Kiribati, Solomon Islands	UKMO, SPREP
UNDP CLEWS	<ul style="list-style-type: none"> Development and support for IT capacity development and data rescue 	PNG	UNDP
SPC EU RENI	<ul style="list-style-type: none"> RENI project for drought EWS Training for NMHS staff on strengthening climate outlook products and services and outreach to communities and other stakeholders 	Palau, FSM, RMI	SPC, EU
Hydro Observations Network	<ul style="list-style-type: none"> Automated hydro observations sites 	Solomon Islands, Fiji, PNG, Samoa	NIWA
Enhancing Early Warning Systems to build greater resilience to hydro and	<ul style="list-style-type: none"> Enhancing communication/dissemination systems including construction and/or expansion of the reach of existing communications networks (VHF/HF radio and mobile telecommunications, TV broadcasts, etc.); 	Fiji, PNG, Solomon Islands, Vanuatu	AE & IE – SPREP Delivery Partner(s) – tbc

meteorological hazards in Pacific Small Island Developing States (SIDS)	- Strengthening “communication champions” understanding of warnings and risks associated with hydrometeorological hazards. These include TV, radio and newspaper journalists, Civil Society Organizations/Non-Government Organizations (CSOs/NGOs);		GCF pipeline
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PRIORITY 5: COORDINATED SUPPORT FOR NMHSs and PMC

PACIFIC KEY OUTCOME (PKO) 9: NMHS institutional strengthening and capacity development			
Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
(Japan) Pacific Leaders' Educational Assistance for Development of State (Pacific-LEADS)	- Scholarship provision for postgraduate studies for NMHS staff abroad in Japan	All PICs	JICA, WMO, SPREP, NMHS
Pacific International Training Desk	- NOAA NWS and University of Hawaii coordinated and organized hands on training to produce and disseminate weather, climate, and hydrological products and services.	All PICTs	NOAA NWS, UHM, WMO, SPREP, NMHS
UNDP CLEWS	- Training for Pacific Hydrologists - Development of Met Act for Tuvalu including development of Tuvalu Met Strategic Plan	Cook Islands, FSM, Kiribati, Nauru, RMI, Solomon Islands, Tonga, Tuvalu	UNDP, India, UNOSSC, SPREP, SPC
World Bank PREP	- Development of updated meteorology services legislation	Samoa	World Bank, Samoa
Public Service Lobby for Met Qualifications review	- Ongoing discussions between Samoa Met Division and Public Service Commission (PSC) on request to include for review consideration of assessment of meteorologist qualifications for staff, as well as overall reclassification review of Division	Samoa	Samoa local action between Samoa Met Division and PSC
Agency Support Arrangement (PNG/DFAT bilateral)	- Development of Met Strategic Plan - Class 1 Forecaster Training to Australia - Ingest of PNG Remote Sensing network data to PNGNWS system	PNG	DFAT, PNG
COSPPac, CIFDP, CREWS	- Introductory training to the Pacific Ocean Portal and ocean science training - Introductory wave modelling and python training	Fiji, Vanuatu, Tonga, Tuvalu, Niue, Samoa	SPC, USP, SPREP, DFAT, NMHS, BOM, WMO
COSPPac	- Facilitation of PICs participation in regional training workshops and regional meetings (incl. PMC) - Supporting participation in relevant conferences e.g. OceanObs19	All PICs	DFAT, NMHS, BoM, GA, NIWA, SPC
SWoCK, SIWSAP, GFDRR, SRIC-CC, VCAP, COSPPac PARTneR; CRSP AF Project & STTS Technical Training	- Technical competencies training	Solomon Islands, Fiji, PNG, Samoa, Vanuatu, Tonga, Cook Is	RESPAC-UNDP, GEF-UNDP, MFAT NZSTTS ADB

SWoCK, SIWSAP, GFDRR, SRIC-CC, VCAP, COSPPac	Support for development of institutional competencies for Technical Staff Positions	Solomon Islands, Fiji, PNG, Samoa, Vanuatu, Tonga, Cook Is	RESPAC-UNDP, GEF-UNDP, NZSTTS
SWoCK, SIWSAP, GFDRR, SRIC-CC, VCAP, COSPPac	Laboratory and field training for instrument technicians	Solomon Islands, Fiji, PNG, Samoa, Vanuatu, Tonga, Cook Is	RESPAC-UNDP, GEF-UNDP, NZSTTS
Republic of Korea Pacific Island Climate Information Services Phase 2 (ROK-PI CLiPS 2)	- Climate trainings will be targeted at the regional, sub-regional and at the national level in terms	14 PICs	Pohang University of Technology (POSTECH), SPREP, APCC, PIFS, Government of Korea
Strengthened weather and climate services for resilient development for Pacific islands	- NMHSs are supported through training and workshop for better coordination and sharing of information, lessons learned and best practices including through existing PMC coordinating mechanisms - NMHSs personnel are trained to apply existing social-economic cost-benefit frameworks to further understand and be able to demonstrate the value of and direct future climate	Cook Islands; FSM; Fiji; Kiribati; Nauru; Niue; Palau; PNG; RMI; Samoa; Solomon Islands; Tonga; Tuvalu; and Vanuatu	SPREP & APCC Funding from GCF
Enhancing Early Warning Systems to build greater resilience to hydro and meteorological hazards in Pacific Small Island Developing States (SIDS)	- Strengthening quality management systems for NMSs and NHSs for EWSs and services.	Fiji, PNG, Solomon Islands, Vanuatu	AE & IE – SPREP Delivery Partner(s) – tbc GCF pipeline

PACIFIC KEY OUTCOME (PKO) 10: Support to NMHSs is coordinated

Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
Pacific Meteorology Desk Partnership	Coordination between SPREP and WMO on support to NMHS' in the region through PMC, PIMS, PMC Panels, WMO RA V, WMO RA V WGs	All PICTs	SPREP, WMO
COSPPac -Climate and Oceans Support Programme in the Pacific	CliDEsc to be made fully operational in 14 COSPPac partner countries in the Pacific	All PICs	MFAT, COSPPac

PACIFIC KEY OUTCOME (PKO) 11: PMC is an efficient and effective body

Project Title	Current Action Description	Beneficiary Country/Territory	Implementing/Executing Partner(s)
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PMC Panels	All six PMC Panels are coordinated and working effectively to Panel Work Plans (regular teleconferences) and outcomes and recommendations reported to PMC	All PICTs	SPREP, WMO, BoM, NIWA, DFAT, MFAT, JICA, SPC, Korea
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