

**Attachment 2: PICS Panel Action Plan**

<b>Task Name</b>	<b>Assigned To</b>	<b>Start</b>	<b>Finish</b>
1. Improve coordination, continuity and integration of projects, programmes and initiatives that support climate services at national, regional and global levels		08/15/14	07/13/15
1.1 Establish a regional platform that will lead on the issues of Climate Services	(GFCS Regional Workshop to establish a PICS Panel)	08/15/14	07/13/15
1st mtg of the PICS Panel		08/15/14	08/16/14
Develop and promote an Action Plan for regional coordination of climate services specifically addressing the sustainability of services and also addressing the priorities as outlined by the PIMS		08/15/14	09/15/14
Provide action plan to RAV (Henry)		09/15/14	09/15/14
2nd mtg of the PICS Panel (1st week of May 2015)		05/07/15	05/08/15
Review progress on assessment of NCOFs and pilots			
Review progress on RCC implementation plan			
Define RCOF (where, when, who, scope, budget)			
Report on actions for PMC - draft			
3rd mtg of the PICS Panel (with PMC)			
review Action Plan and define activities			
4th mtg of the PICS Panel			
5th mtg of the PICS Panel			
1.2 Set up regional and national registries for climate service projects, programmes and activities	PICS Panel	09/01/14	12/31/14
Follow-up with SPREP database - how is their registry updated, and can the information from the NOAA portal be included?	PICS Panel	09/01/14	09/30/14
Encourage NMHS to work with the National Committees of the Climate and Weather Portals (names vary from country to country, e.g. <a href="http://www.nab.vu/project-search">http://www.nab.vu/project-search</a> )	PICS Panel		
Regional registry			
Assemble and document the available project databases and report on them to PMC	PICS Panel	09/01/14	09/30/14
Promote new and existing projects in proactively accessing, use and the updating of these databases	PICS Panel	09/01/14	08/01/18
National registries			
Assemble and document project databases at the national level (including the process of how they maintain it)	PICS Panel	09/01/14	08/01/18
1.3 Establishment of a RCC (network) for the Pacific Island region	PICS Panel	09/01/14	06/12/15
1st meeting of the PICS Panel to set up a drafting team that works in collaboration with the WMO RAV Working Group on Climate Services to write a RCC implementation plan defining roles and responsibilities and products and services (supported by consultant ?)	Drafting team to be determined by the 1st meeting of the PICS Panel	08/19/14	08/19/14
Gap analysis and benefits			
Assessment of current functions, products and needs of organizations in the region versus the RCC requirements	PICS Panel	09/01/14	12/31/14
Compilation of providers in the region and	PICS Panel	09/01/14	12/31/14

suggestions of nodes			
Seek commitment and approval of products and services from the suggested nodes	PICS Panel	09/01/14	08/31/15
Define benefits and constrains (pros and cons) of a RCC	PICS Panel	09/01/14	12/31/14
Writing of an Implementation Plan for a RCC			
Design of RCC network for the Pacific	PICS Panel	09/01/14	12/31/14
Review by:			
PICS Panel to review and accept the draft RCC structure and submit to PMC for approval	PICS Panel	01/01/15	01/20/15
PMC and SPREP Meeting to approve draft RCC structure	Out-of-session PMC mtg/SPREP Meeting	01/21/15	01/31/15
RAV WG on CS to review and accept the draft RCC implementation plan (dates?)	Mtg of the WG on Climate Services	02/15/15	03/15/15
RAV mgmt group to review and accept RCC implementation plan	Mtg of the RAV mgmt	05/25/15	06/12/15
Submit RCC implementation plan to Congress	RAV mgmt group	05/25/15	06/12/15
2. Strengthen the basic and core functions and capabilities of NMHSs for robust and sustained data collection & management, analysis of data and quality assurance, production and dissemination of products, research and modelling		09/01/14	08/01/18
2.1 Review the existing strategies and identify the gaps on existing and future requirements for the co-production of core climate information and prediction services (PICS Panel advising PMC)	PICS Panel	08/19/14	08/01/15
Assess sector policies (water, agriculture, DRR, health, etc.) at regional level and with a view of improving current regional Met policies	SPREP, WMO, BoM, USP, SPC	09/01/14	08/01/15
Assess national policies and capabilities with a view of providing enabling policies and the development of NMS strategies and capabilities for delivery of climate services at the national and local levels	SPREP, WMO, BoM, USP	09/01/14	08/01/15
Support NMHSs to integrate the Pacific Island Action Plan on Climate Services where appropriate into their strategic plans	PICS Panel, SPREP, WMO, NMHSs	09/01/14	08/01/18
Review and adapt the PIMS in relation to other strategies (RAV, PICS Panel Action Plan, national priorities/strategies etc.)	SPREP and partners	09/01/14	08/01/15
Develop national policy on data exchange for climate services data that will facilitate access by the non-met community	SPREP, SPC, WMO, NMHSs	08/01/15	08/01/18
Review of international standards on qualifications and competencies for climate services production and delivery and potential adaptation of them for the Pacific Region	USP, SPREP, WMO	09/01/14	10/01/15
2.2 Identify a standardized product suite to address regional requirements (PICS Panel advising PMC)	PICS Panel	01/14/15	06/22/15
Assemble and document the available sites that assemble products and services and report on them to PMC	PICS Panel	09/01/14	12/31/14
Identify the minimum requirements of NMHSs in the region for products and services (Gap analysis)	PICS Panel	09/01/14	12/31/14
Define a process for development and delivery of technical and research capacities and capabilities and stakeholder outreach (end-to-end)	PICS Panel	08/01/15	08/01/16

Define the roles and responsibilities for the development and delivery of products and services	PICS Panel	08/01/15	08/01/16
Things to keep in mind:			
Coordinate historical data rescue and data management activities		08/01/15	08/01/16
Enhance the downscaling abilities of the models		01/14/15	08/01/20
Support development of a simple dynamic model that can be run with limited resources.		01/14/15	08/01/20
Coordinate MJO based information, products and services and make them available to NMSs.		01/14/15	08/01/20
Establish ocean and coastal products and services for fisheries, coral reefs, ocean acidification		08/01/17	08/01/20
RCOF		04/09/14	10/21/15
Agree to hold a RCOF, Agree on the targeted user community (fresh water)	1st mtg of the PICS Panel	08/19/14	08/19/14
Find volunteer host country	2nd mtg of the PICS Panel	01/14/15	01/14/15
Endorsement by PMC - out of session	PICS Panel		
Plan and hold 1st RCOF (potentially including training and a user specific outlook forum - fresh water)	PICS Panel	10/12/15	10/21/15
Review lessons learned from RCOF and decide on having a 2nd one	4th mtg of the PICS Panel	01/11/16	01/13/16
2.3 Expand multi hazard EWS including end-to-end system of data collection, advisories and product dissemination to all countries (RCC)	NIWA/BoM/NOAA	08/06/14	08/01/17
Assess and document the status of EWS in the countries and region (consider available assessments, i.e. from COSPPac, and WB)	PICS Panel	09/01/14	08/01/17
Link NCOF and RCOF activities to the development of EWS	NIWA/BoM/NOAA	09/01/14	08/01/17
Develop guidance material on best practices for EWS	PICS Panel	09/01/14	08/01/17
Highlight water resources and drought/flood issues as a priority in an EWS	NIWA/BoM/NOAA	09/01/14	08/01/17
Coordinate with current UNDP South-South exchange on agrometeorology efforts, as well as those of other partners such as SPC	SPREP, SPC, UNDP Pacific Centre, USP	09/01/14	08/01/17
Identify countries that would like to or need to develop a national drought policy and make use of the WMO Integrated Drought Management Programme (IDMP) - report to 2nd mtg of the PICS Panel	PICT Member countries	09/01/14	05/01/15
2.4 Restore non-functional observing stations, maintain existing networks and expand the number of stations on outer islands (NMHSs)	NMHSs	08/06/14	06/01/15
Assess existing and future requirements of climate observations at national levels		08/06/14	06/01/15
Members to list all non-functional observing stations and necessary IT equipment (i.e. on outer islands) and present to 2nd PICS Panel meeting	SPREP/WMO	10/27/14	05/01/15
Extension of the RANET Chatty Beetle Demonstration Project to the outer islands of FSM (written request from FSM to SG)	FSM to request WMO/SG	08/06/14	06/01/15
Link requirements for observing systems to EWS development needs	NOAA/BoM/NIWA	09/01/14	08/01/17
Report to PMC on EWS requirements for observing systems	PICS Panel	09/01/14	08/01/17
Promote the installation of reference stations in the Pacific to support quality data	PMC	09/01/14	08/01/17

Promote sustainable mechanisms for maintenance and calibration of observation networks	PMC	09/01/14	08/01/17
2.5 Build, sustain and enhance the capacity of NMHS in the production, use, translation and verification of seasonal outlooks and other climate products (NMHSs and regional partners)	NMHSs and regional partners	04/09/14	03/01/17
Compile available training courses in the region and make available to PMC	PICS Panel	09/01/15	09/01/16
Introduce mechanisms to ensure Data quality assurance (QMS training, QMS in observations and data management system, e.g. Clide)	SPREP/WMO/NMHSs	09/01/15	08/01/17
Focus on long-term capacity building for climate services		09/01/15	08/01/17
Establish a Regional Training Centre for the Pacific Islands	WMO/USP		
Develop curricula on climate services for Pacific Islands	Education providers		
Develop national to regional capacity for research and applications in climate services	PIURN, NMHS, CROP Agencies		
Provide scholarships for university students on climate services training	Scholarship providers		
Provision of specialized training for NMHSs staff and stakeholders on current and new products, equipment and technology	SPREP/SPC/BoM/ USP/NIWA/WMO/ NOAA/NMHSs		
Train NMHSs staff to comply with competencies for engineering and technical support as required by international standards	NMHSs		
Develop capacity of NMS on project concept and proposal development, project and financial management and monitoring and evaluation	SPC/SPREP		
Things to keep in mind:		08/06/14	03/01/17
Climate training			
Establish training programs with the national training centres to reach out to communities and NGO's			
Offer new courses that enhance basic mathematics and physics skills for NMHS staff	USP	08/06/14	03/01/17
Building the capacity of NDMOs and NMS in the use of Severe Weather Forecasting and DRR systems other than tropical cyclones for improved accuracy of forecasting, preparedness and responses (SWFDP)	NZ Weather Service	08/06/14	03/01/17
3. Enhance avenues and modes of multi-way communication and feedback between climate services providers and users to enhance the uptake and use of relevant and tailored climate services down to the communities and individuals		04/07/14	08/01/18
3.1 Learn from experiences, identify opportunities and determine a set of best practices of communications in the region (NMHSs and partners)	NMHSs and partners	09/01/14	08/01/16
Coordinate the compilation of a compendium of existing best practices in the region on how climate information is being applied to improve the socio-economic sectors	PICS Panel	08/01/15	08/01/16
Draw lessons learned on better communications from the projects and countries and share with PMC	PICS Panel	08/01/15	08/01/16
Document and disseminate success stories of application of climate information to sectors	NOAA/WMO/ COSPPac/SPREP/ NMHS	09/01/14	08/01/16

Produce media/communication, engagement and partnership strategies including an advocacy campaign for the benefits of regional and national climate services	SPREP/ COSPPac/NMHS	08/01/15	08/01/16
Produce a communication strategy including an advocacy campaign for the benefits of regional and national climate services	WMO, SPREP, COSPPac	08/01/15	08/01/16
3.2 Collect, document, archive and verify indigenous knowledge on climate indicators and impacts (NMHSs and partners)	NMHSs?, USP, COSPPac, SPREP	08/01/15	08/01/18
Inform climate science with traditional knowledge by building integrated climate information data sets that are informed by men, women and people with disabilities within communities.	Countries, USP, SPREP, IFRC, COSPPac	08/01/15	08/01/18
Share experiences and lessons learned from existing projects	Countries, USP, SPREP, IFRC, COSPPac	08/01/15	08/01/18
Assist countries if requested in documentation and collection of TK and/or archiving and integration of TK with climate science	Countries, USP, SPREP, IFRC, COSPPac	08/01/15	08/01/18
Review and assess the value of TK for climate services	PICS Panel	08/01/17	08/01/18
3.3 Request access to timely and accurate impact data and indicators from sectors (i.e. yield statistics) (NMHSs and National Government Agencies)	NMHSs and National Government Agencies	09/01/14	08/01/18
Collect timely and accurate impact data from socio-economic sectors (i.e. yield statistics, health impacts) and whenever available ensuring that this data is sex disaggregated	National government agencies	09/01/14	08/01/18
Explore mechanisms to collect and access (digital) data from sectors		09/01/14	08/01/18
Encourage regional entities in the 4 GFCS priority areas to develop digital databases	SPREP, SPC, WMO	09/01/14	08/01/18
Identify key partners in the 4 GFCS priority areas at the regional level	NMHSs	08/01/16	08/01/17
Link impacts data to seasonal outlooks and forecasts (EWS)	NMHSs and RCC	08/01/16	08/01/18
3.4 Ensure research priorities are linked to national, regional and global frameworks and driven by user requirements (NMHSs and partners)	NMHSs and partners	09/01/14	08/01/18
Support additional research on drought prediction, including the effects of La Nina and El Nino on drought around the region.	USP?/IDMP	09/01/14	08/01/18
Assess research recommendations from national and regional reports to inform research database and recommend a set of 10 research priorities	USP	08/01/15	08/01/16
NMHSs, research institutions, CROP and stakeholders to create a research databases (e.g. Vanuatu)	USP knowledge center, NMHSs	08/01/15	08/01/16
Establish a link among PIURN, CROPs and WCRP to define Pacific Island Countries and Territories research priorities for climate services, e.g. to inform Future Earth priorities	USP	08/01/15	08/01/17
Convene a scientific conference that will define the priorities for the Pacific Islands Climate Services (i.e. WCRP meeting in South America on Climate Services)	WCRP	08/01/15	08/01/16
Demonstrate the socio-economic benefits of climate services in some pilot countries	SPREP, WMO	08/01/16	08/01/18
PICT participation to the International Conference	WMO	08/01/15	08/01/16



on Climate Services (ICCS)			
3.5 Increase the number of users and their awareness and capabilities to uptake and use climate services (NMHSs and partners)		04/07/14	03/31/17
Carry out an assessment of different user needs with respect to the type of information and mode of accessing the information.	PICS Panel, WMO	09/01/14	05/01/15
Assess training providers for climate services in the 4 GFCS priority areas	PICS Panel	09/01/14	08/01/16
NCOFS		09/01/14	08/01/17
Assessment of current NCOF processes and products and develop guidance material on NCOF best practices	PICS Panel	08/01/15	08/01/17
Identify the minimum requirements of NMHSs in the region for products and services (Gap analysis)	PICS Panel	09/01/14	08/01/15
Define a process for development and delivery of technical and research capacities and capabilities and stakeholder outreach (end-to-end)	PICS Panel	08/01/15	08/01/17
Define the roles and responsibilities for the development and delivery of products and services	PICS Panel	08/01/15	08/01/17
Decide on countries in which to hold NCOFs	PMC	04/07/14	04/07/14
Hold NCOFs in 3 pilot project countries (Tonga, PNG and Kiribati)	WMO/Canada Project - Countries	10/01/14	03/31/17
Share lessons learned on pilot project NCOFs at relevant body meetings (PICS Panel, PMC, RCOFs, RAV)	Pilot countries	08/01/15	08/01/17
Rolling out experiences to other countries		08/01/15	08/01/17
Support sector specific user discussions			
NOAA Climate Dialogues	NOAA	09/01/14	08/01/18
Climate discussions in the 4 GFCS priority areas in selected pilot countries	Countries	08/01/16	08/01/18
Training on the uptake and use of climate services by sectors (e.g. agromet training)	WMO and others	08/01/15	08/01/18
NMHSs to interact with sectors on their own initiative	NMHSs	09/01/14	08/01/18
Relevant Body meetings		04/04/14	07/05/17
Out-of-session PMC 2014		04/04/14	04/04/14
Out-of-session PMC 2015		01/21/15	01/21/15
3rd PMC - Tonga		07/20/15	07/23/15
4th PMC - TBD		07/01/17	07/05/17
RAV WG on Climate Service (2015)		02/16/15	02/18/15
RAV WG on Climate Services (2016)		02/15/16	02/17/16
RAV WG on Climate Services (2017)		02/13/17	02/15/17