

CONCEPT and AGENDA

SECOND PACIFIC ISLANDS CLIMATE OUTLOOK FORUM (PICOF-2)

17-18 October 2016

TANOA Hotel, Nadi, Fiji,

This project was undertaken with the financial support of:
Ce projet a été réalisé avec l'appui de:



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada



50
YEARS



SPREP
Secretariat of the Pacific Regional
Environment Programme



Australian Government
Bureau of Meteorology



Climate and Oceans Support
Program in the Pacific



THE FIJIAN GOVERNMENT



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THE UNIVERSITY OF THE
SOUTH PACIFIC



Pacific Community
Communauté
du Pacifique



CONCEPT

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INTRODUCTION

1. The second session of the Pacific Islands Climate Outlook Forum (PICOF-2), with a special focus on the Disaster Risk Reduction (DRR) is co-organized and co-supported by the Secretariat of Pacific Regional Environment Programme (SPREP), World Meteorological Organization (WMO), the Global Framework for Climate Services (GFCS), the United Nations Development Programme (UNDP), the Government of Canada, the Government of Russia, the Australian Bureau of Meteorology (BoM), the COSPPac Project, the Secretariat of the Pacific Community (SPC), National Oceanic and Atmospheric Administration (NOAA) Pacific ENSO Application Climate (PEAC) Centre, the New Zealand National Institute for Water and Atmospheric Research (NIWA), Asia-Pacific Economic Cooperation Climate Centre (APCC), the Government of Finland, University of the South Pacific (USP), and the European Union-Global Climate Change Alliance (EU-GCCA). Financial support for this event has been provided by Environment and Climate Change Canada under the *Programme for Implementing Global Framework for Climate Change (GFCS) at Regional and National Scales*.
2. The PICOF will be hosted by the Fiji Meteorological Service at the Tanoa International Hotel in Nadi, Fiji from 17-18 October, 2016. The forum will bring together national, regional and international experts from the Disaster Risk Reduction, Meteorological and Climate Services sector.
3. In general, the aim of a Pacific Islands Climate Outlook Forum is to provide a platform to consolidate seasonal forecasts from multiple sources by issuing a consensus outlook. This process allows its participants to better understand the science behind seasonal forecasts and to better appreciate the related uncertainties that are relevant for the measures applied to adapting and reducing risks to climate variations.
4. For PICOF-2, the main purpose and overarching objectives are (a) to bring together national, regional and international experts on climate services and disaster risk reduction community; (b) to discuss seasonal climate forecast guidance for the Pacific Islands (PI) region (e.g. SCOPIC, ICU, PEAC, APCC); (c) to discuss application of climate information to the DRR sector; and (d) to co-explore common approaches and best practices for climate services that can be extended throughout the Pacific Islands (PI) Region.
5. The PICOF concept is an opportunity to bring together the providers of climate information i.e. the National Meteorological and Hydrological Science Services (NMHSs) and one of the end users of this information, the DRR Community or the National Disaster Management Offices (NDMOs) at the country level, in a roundtable discussion where information can be exchanged and guidance on decision-making.
6. The PICOF-2 will be an opportunity for the NMHSs to discuss the tropical cyclone season ahead for the southern Pacific Countries as well as discuss in depth the likelihood of an ENSO event and its likely impacts in the region.

7. The concept of PICOF has been implemented for several years in the PI region through online teleconferences offered under 3 separate arrangements; the Climate and Oceans Services Program in the Pacific (COSPPac) Online Climate Outlook Forum (OCOF), the Island Climate Update (ICU) Forums and the Pacific ENSO Application Climate (PEAC) Centre Forum.

ENSO Impacts in the Pacific:

El Nino Southern Oscillation (ENSO) is the main driver of climate variability in the Pacific and will likely to continue to influence the weather and climate of the Pacific well into the future. Sectoral impacts from hazards such as droughts, flooding, heat wave and crop loss observed across the Pacific are in most cases associated with climate variability influenced by ENSO. A warmer world under climate change could exacerbate and amplify observed impacts of ENSO episodes in the region. To reduce damages from extreme climate events through effective disaster risk management, seasonal climate prediction services play a critical role in utilising advanced climate prediction such as early warning outlooks, to understand the causes, impacts and necessary provisions to prepare for anticipated extreme climate events. It has however been observed that most PI countries, the linkage between the NMHSs and sectors is infant stage and significant efforts will have to be made to improve linkage and coordination for effective climate change response.

SPECIFIC OBJECTIVES OF THE SECOND PACIFIC ISLANDS CLIMATE OUTLOOK FORUM (PICOF-2)

8. The specific objectives of PICOF-2 include the following:
 - i. To compare the various seasonal climate forecast guidance for the Pacific region and discuss how these are produced in terms of accuracy, utility, weaknesses and strengths of the regionally produced guidance;
 - ii. To compare and refine national level consensus-based climate outlooks for the upcoming season (November–December–January);
 - iii. To continue capacity building/human resource development activities for the Pacific region, particularly in seasonal prediction;
 - iv. To discuss how NMHSs are currently accessing and assessing the available guidance, making them nationally-relevant and disseminating them to users and the use of games to assist in this effort;
 - v. To provide a platform for the stakeholders through the PICOF to share and exchange experiences and knowledge on wet/tropical cyclone season and its prediction;
 - vi. To discuss how representatives from the DRR sector are using or may use the guidance (or some derivative from it);
 - vii. To identify the needs of the DRR sector for climate services;
 - viii. To build collaboration and partnerships among NMHSs and the DRR sector;
 - ix. To discuss opportunities for integrating climate information into disaster risk reduction and disaster management.

EXPECTED OUTCOMES

- The Forum is expected to improve the understanding of how seasonal climate outlooks are produced, how they are and can be made regionally and nationally relevant, and how they can be tailored to the needs of users from the DRR community.

- The PICO-2 will also see the launch of the Disaster Resilience in Pacific Small Island States which is funded by the Russian Government and implemented through UNDP. These 3 year project will provide direct technical and financial assistance to 14 PICs in the area of climate early warning systems, disaster preparedness and recovery, and disaster risk financing.
- PICO-2 Statement on “Impacts and lessons learned from the 2015/16 El Nino for Climate/DRRDM and outlook and preparations for the 2016/17 La Nina.
- Regional Consensus Forecast (rainfall and SST for Nov 2016-Jan 2017) for SW Pacific Islands and North Pacific Islands.

Proposed Structure of Meeting Agenda

The meeting agenda will focus on 2 different perspectives. Day 1 will focus on “Looking back and learning” and Day 2 will focus on “Looking forward and preparing. The specific sessions to be discussed are as following:

In terms of learning methods to be applied in the course of this meeting, a combination of Powerpoint Presentations, Panel and Plenary Discussions, as well as Group Work will be used to disseminate information and stimulate discussions. The overall intent of the meeting is to provide maximum exposure/scope to the representatives of the PI NMHSs and DRR sector to present their views and/or experiences on how inter-sectoral coordination was conducted during the current El-Nino phase and what could be improved in future, based on lessons learned and information gaps identified. Since the PICO-2 meeting will be the precursor to the workshop to the develop the Pacific Regional Implementation Roadmap for Climate Services being held in Nadi, Fiji from October 19-21, 2016, it is ideal that issues addressed during the PICO-2 be given more strategic attention in the follow up meetings.

The PICO-2 will be followed by a workshop to develop the Pacific Regional Implementation Roadmap for Climate Services from **19-21 October 2016 at the Tanoa Hotel**. The intent of the workshop to continue the discussion on the implementation of the Global Framework on Climate Services in the Pacific Region.

PROVISIONAL AGENDA

DAY 1: Monday, 17 October	Activity	Speakers and Presenters	Guidance/Comments
8:30 to 9:00 am	Arrival and registration at Tanoa Hotel, Nadi, Fiji	SPREP/WMO/UNDP staff	Registration forms will be available at the entrance
Session 1: 9:00 to 10:00 am	<p>Session 1: Opening of the PICOF-2 and Overview</p> <p><u>MC:</u> Fiji Met Service</p> <p><u>Rapporteurs</u> SPREP</p> <p>(i) Opening Prayer (ii) Welcome Remarks (iii) Opening Remarks a. Government of Russia b. UNDP c. SPREP d. WMO</p> <p>(iv) Introduction of the PICOF-2 Session</p>	<p>(i) TBC (ii) Mr. Lui Naisara, Fiji Government</p> <p>(a) Mr. Dmitry Maximychev, MFA Russia (b) Mr. Bakhodir Burkhanov, UNDP (c). Dr. Netatua Pelesikoti, SPREP (d) Ms Lisa-Anne Jepsen, WMO.</p> <p>(iv) Dr. Andrew Tait, PICS Panel Chairman</p>	<p>(iv) Outline of the PICOF-2 Schedule</p> <p>Define purpose, objectives, concept of the PICOF-2</p>
Tea break Group Photo (10:00 to 10:30 am)			
Session 2: 10:30 to 11:30 pm	<p>Session 2: "Looking Back and Learning" Presentation of 2015-2016 El Nino</p> <p>Regional Overview (20 min)</p> <p>Joint presentation of El Nino NIWA (Nicolas), BoM (Simon McGree) and NOAA (John) (20 min)</p> <p>(i) How it was forecast, how it developed, when it peaked and dissipated (ii) What happened to rainfall, winds, temperature, rainfall across the Pacific? (iii) How did it compare with 1997-1998?</p> <p>National Overview (40mins)</p> <p>(i) Group discussions (20mins)</p> <p>(ii) Group Presentations (20mins)</p>	<p>Regional Country Group Presentations</p> <p>Group 1: Sunny/Simon (Facilitators)</p> <ul style="list-style-type: none"> • Niue • Samoa • Tonga • Cook Islands <p>Group 2: Salesa/Andrew (Facilitators)</p> <ul style="list-style-type: none"> • Papua New Guinea • Solomon Islands • Vanuatu <p>Group 3: Alex/John (Facilitators)</p> <ul style="list-style-type: none"> • Federated States of Micronesia • Kiribati • Marshall Islands • Palau • Tuvalu <p>Group 4: Molly/Nicolas (Facilitator)</p> <ul style="list-style-type: none"> • Fiji NDMO • Fiji Hotel Association • Fiji Electric Authority • Fiji MoA • Fiji Sugar Corp <p>Group 5: Henry/Igor (Facilitator)</p> <ul style="list-style-type: none"> • UNDP • SPC • IFRC/Red Cross • SPREP 	<p>Regional Overview: This is a Joint presentation from Regional providers on the physical evolution of the 2015/16 El Nino.</p> <p>National Overview: Regional Grouping of countries will be allocated sometime to discuss the impacts El Nino on their rainfall, temperature, SSTs, and winds. And how it compared to the 1997/98 El Nino Event.</p> <p>This discussion will take 20mins, and additional 20mins will be allocated for Group presentations.</p> <p>(Countries can liaise to share powerpoint presentations).</p>
Session 3: 11:30 to 12:30 pm	<p>Session 3: Lessons Learnt from 2015/16 El Nino and actions (processes) taken to respond to Tropical Cyclones/ENSO and DRR.</p>	<p>Regional Country Group Presentations</p>	<p>Regional Country Group Regional Grouping of countries will be allocated</p>

<p><u>Facilitator</u> SPREP (Dr. Netatua Pelesikoti)</p> <p><u>Rapporteurs</u> SPREP</p>	<p>(i) Their ENSO advisories and climate outlooks over the period 2015/16</p> <p>(ii) Partnerships with DMO</p> <ul style="list-style-type: none"> • Process of info dissemination • Actions based on guidance (and other info) • Preparedness level • Level of awareness to community scale <p>Open discussions (Q & A) (30mins)</p>	<p>Group 1: Sunny/Simon (Facilitators)</p> <ul style="list-style-type: none"> • Niue • Samoa • Tonga • Cook Islands <p>Group 2: Salesa/Andrew (Facilitators)</p> <ul style="list-style-type: none"> • Papua New Guinea • Solomon Islands • Vanuatu <p>Group 3: Alex/John (Facilitators)</p> <ul style="list-style-type: none"> • Federated States of Micronesia • Kiribati • Marshall Islands • Palau • Tuvalu <p>Group 4: Molly/Nicolas (Facilitator)</p> <ul style="list-style-type: none"> • Fiji NDMO • Fiji Hotel Asso • Fiji Electric Authority • Fiji MoA • Fiji Sugar Corp <p>Group 5: Henry/Igor (Facilitator)</p> <ul style="list-style-type: none"> • UNDP • SPC • IFRC/Red Cross • SPREP 	<p>sometime to discuss their ENSO advisories, climate outlooks and actions taken to respond to the El Nino event.</p> <p>Focus should be placed on how the Met Services worked with DRR community before/during and after the El Nino events 2015/16. Identify what worked well and what could be improved.</p> <p>This discussion will take 30mins, and additional 30mins will be allocated for Group presentations.</p> <p>(Countries can liaise to share powerpoint presentations).</p>
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Lunch break (12:30-1:30pm)

<p>Session 4: 1:30 to 3:00 pm</p> <p><u>Facilitator</u> IFRC</p> <p><u>Rapporteurs</u> SPREP</p>	<p>Session 4: Impacts Seen on the Ground and Mapping</p> <p>(i) Water availability, quality</p> <p>(ii) Sanitation issues</p> <p>(iii) Health impacts (related to sanitation and vectors)</p> <p>(iv) Flooding / infrastructural damage</p> <p>(v) Coastal erosion / inundation</p> <p>(vi) Coral bleaching and fish kills</p>	<p>Group 1: Sunny/Simon (Facilitators)</p> <ul style="list-style-type: none"> • Niue • Samoa • Tonga • Cook Islands <p>Group 2: Salesa/Andrew (Facilitators)</p> <ul style="list-style-type: none"> • Papua New Guinea • Solomon Islands • Vanuatu <p>Group 3: Alex/John (Facilitators)</p> <ul style="list-style-type: none"> • Federated States of Micronesia • Kiribati • Marshall Islands • Palau • Tuvalu <p>Group 4: Molly/Nicolas (Facilitator)</p> <ul style="list-style-type: none"> • Fiji NDMO • Fiji Hotel Asso • Fiji Electric Authority • Fiji MoA • Fiji Sugar Corp <p>Group 5: Henry/Igor (Facilitator)</p> <ul style="list-style-type: none"> • UNDP • SPC • IFRC/Red Cross • SPREP 	<p>Regional Grouping of countries will be allocated sometime to discuss the impacts registered as a result of the 2015/16 EL Nino.</p> <p>Focus should be on the actual impacts on the ground. Which sector was most impacted? How severe was the impact?</p> <p>List of sectors impacted</p> <p>Maps will be provided.</p> <p>Groups Discussions and Mapping (30mins) Group presentations (60mins)</p>
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Tea break (3:00 – 3:30 pm)

<p>Session 5: 3:30 – 4:30 pm</p> <p><u>Facilitator</u> WMO</p> <p><u>Rapporteurs</u> SPREP</p>	<p>Session 5: Evaluation of the response</p> <p>(i) Were you prepared? (ii) Did the climate information help? (iii) What more is needed (tailored outputs)? (iv) List specific actions taken to mitigate observed impacts? Eg Water was trucked to drought affected areas. (v) What are the lessons learned?</p> <p>Open discussions (Q & A) (30mins)</p>	<p>Group 1: Sunny/Simon (Facilitators)</p> <ul style="list-style-type: none"> • Niue • Samoa • Tonga • Cook Islands <p>Group 2: Salesa/Andrew (Facilitators)</p> <ul style="list-style-type: none"> • Papua New Guinea • Solomon Islands • Vanuatu <p>Group 3: Alex/John (Facilitators)</p> <ul style="list-style-type: none"> • Federated States of Micronesia • Kiribati • Marshall Islands • Palau • Tuvalu <p>Group 4: Molly/Nicolas (Facilitator)</p> <ul style="list-style-type: none"> • Fiji NDMO • Fiji Hotel Asso • Fiji Electric Authority • Fiji MoA • Fiji Sugar Corp <p>Group 5: Henry/Igor (Facilitator)</p> <ul style="list-style-type: none"> • UNDP • SPC • IFRC/Red Cross • SPREP 	<p>Regional Grouping of countries will be allocated sometime to discuss the impacts registered as a result of the 2015/16 EL Nino.</p> <p>Focus should be on the actual impacts on the ground. Which sector was most impacted? How severe was the impact?</p> <p>List of sectors impacted</p>
<p>4:15pm-4:30pm</p>	<p>Summary of the Day and Close</p>		

<p>DAY 2: Tuesday, 18 October</p>	<p>Activity</p>	<p>Speakers and Presenters</p>	<p>Guidance/Comments</p>
<p>Session 6: 8:30 to 10:00 am</p> <p><u>Facilitator</u> Andrew Tait</p> <p><u>Rapporteurs</u> SPREP</p>	<p>Session 6: "Looking Forward and Preparing" Presentation of 2016-2017 La Nina Forecast</p> <p>(i) Whole Pacific region (Rainfall, SSTs, winds, temperatures) (ii) Previous La Ninas (weak and strong events) (iii) Current ENSO and Pacific climate status (iv) Regional summary on La Nina forecasts 2016-2017</p> <p>Open discussions (Q & A)</p>	<p>(i) NOAA/BOM/NIWA (ii) NOAA/BOM/NIWA (iii) NOAA/BOM/NIWA (iv) NOAA/BoM/NIWA and Igor Shkolnik (Russia)</p>	<p>Joint presentation (NIWA/NOAA/BoM/Igor Shkolnik (Russia))</p>
<p>Tea break (10:00-10:30am)</p>			
<p>Session 7: 10:30 to 11:30 pm</p> <p><u>Facilitator</u> UNDP/Russia</p> <p><u>Rapporteurs</u> SPREP</p>	<p>Session 7: Presentation on current Tropical Cyclone outlook</p> <p>(i) 2016-2017-Tropical Cyclone Outlook (forecasts and models) for the South-West Pacific (ii) 2016-2017-Tropical Cyclone Outlook (forecasts and models) for the North Pacific</p> <p>Open discussions (Q & A)</p>	<p>(i) NIWA/ BoM (SW Pacific) (ii) NOAA/PEAC (North Pacific)</p>	<p>Joint presentation on the 2016/17 Tropical Cyclone outlook guidance for Southwest Pacific and North Pacific.</p>
<p>Session 8:</p>	<p>Session 8: Consensus Forecast for Pacific Islands (Nov-Jan)</p>		<p>Global Climate Models for Consensus Forecast</p>

<p>11:30am to 12:30pm</p> <p><u>Facilitators</u> SPERP/WMO</p> <p><u>Rapporteurs</u> SPREP</p>	<p>(i) SW Pacific seasonal (rainfall and SST) consensus forecast</p> <p>(ii) North Pacific seasonal (rainfall and SST) consensus forecast</p>	<p>(i) NIWA/BoM</p> <p>(ii) NOAA (PEAC)</p>	<p>(i) SW Pacific: POAMA, SCOPIC, and Multi-model ensembles (eight models)</p> <p>(ii) North Pacific: PEAC Ensembles</p>
<p>Lunch break (12:30-1:30pm)</p>			
<p>Session 9: 1:30 to 3:30pm</p> <p><u>Facilitators</u> BoM</p> <p><u>Rapporteurs</u> SPREP</p>	<p>Session 9: Country Group Discussions</p> <p>(i) Review of national climate outlook and ENSO guidance</p> <p>(ii) Consideration of possible impacts and key messages</p> <p>(iii) Design (or refine) the communications process</p> <p>(iv) Monitoring approaches</p> <ul style="list-style-type: none"> ▪ Regular climate updates ▪ What impact data can be monitored? <p>(v) What indicators can be used to set Watches/Warnings?</p> <p>(vi) What are the actions for each level?</p> <p>(vii) Plan how you will evaluate the process</p> <p>(viii) Can you do any sort of cost/benefit (or qualitative assessment)?</p>	<p>Group 1: Sunny/Simon (Facilitators)</p> <ul style="list-style-type: none"> • Niue • Samoa • Tonga • Cook Islands <p>Group 2: Salesa/Andrew (Facilitators)</p> <ul style="list-style-type: none"> • Papua New Guinea • Solomon Islands • Vanuatu <p>Group 3: Alex/John (Facilitators)</p> <ul style="list-style-type: none"> • Federated States of Micronesia • Kiribati • Marshall Islands • Palau • Tuvalu <p>Group 4: Molly/Nicolas (Facilitator)</p> <ul style="list-style-type: none"> • Fiji NDMO • Fiji Hotel Asso • Fiji Electric Authority • Fiji MoA • Fiji Sugar Corp <p>Group 5: Henry/Igor (Facilitator)</p> <ul style="list-style-type: none"> • UNDP • SPC • IFRC/Red Cross • SPREP 	<p>This discussions will focus on how the NMSs and NDMOs can work together to improve the communication of the information relating to the El Nino/La Nina and tropical cyclone outlooks to the sectors and communities.</p> <p>Group Discussions (60mins)</p> <p>Energizers to be introduced in between discussions and presentations led by IFRC</p>
	<p>Group presentations</p>	<p>Groups presentations (10 mins each)</p>	<p>Group Presentations (60mins)</p>
<p>Tea Break (3:30-4:00pm)</p>			
<p>Session 10: 4:00 to 5:30pm</p> <p><u>Facilitators</u> NIWA (Andrew Tait)</p> <p><u>Rapporteurs</u> SPREP</p>	<p>Session 10: Plenary discussion on Key Next Steps and PICOF-2 Statement</p> <p>(i) PICOF-2 Statement on "Impacts and lessons learned from the 2015/16 El Nino for Climate/DRRDM and outlook and preparations for the 2016/17 La Nina"</p> <p>(ii) Closing Remarks</p>	<p>(i) Andrew Tait, Chair of the PICS Panel</p> <p>(ii) SPREP/UNDP/WMO</p>	
<p>Evening Session: 5:30-7:30pm</p>	<p>Evening Session: Updates on Projects</p> <p>(i) Sub-seasonal forecasting (S2S)</p> <p>(ii) COSPPac Transition Update</p> <p>(iii) Vanuatu Framework for Climate Services</p> <p>(iv) Climate/Meteorology Early Warning Systems</p> <p>(v) Island Climate Update (ICU)</p>	<p>(i) NIWA (Nico Fauchereau)</p> <p>(ii) BoM/SPREP</p> <p>(iii) NIWA (Andrew Tait)</p> <p>(iv) NOAA (John Marra)</p> <p>(v) NIWA/SPREP</p>	<p>This session will provide participants with updates from different regional initiatives.</p> <p>15 min each session 30 min discussion</p>

