



Pacific Islands Climate Change Forum (PICCF)

Virtual Meeting 27-29 April 2022

(26-28 April, Hawaii)

The PICCF should register using the following link:

https://eastwestcenter.zoom.us/meeting/register/tJEkd-GuqTqtGNXmGGHcHLJ_bNBI5cbMtmJJ

The Pacific Islands Climate Change Forum (PICCF) is an event intended to present objective, user-relevant information about the current and future climate as well as actions that agencies, organizations and institutions are taking to reduce climate-related risks and support sustainable development over the coming decades in sectors of critical socio-economic significance. The PICCF is a special follow-on to the 10th session of the Pacific Islands Climate Outlook Forum (PICO-10).

The purpose of **Day One** is to roll out the Pacific Climate Change Monitor. The Monitor is a report that draws on the latest meteorological and oceanographic data and information to describe historical variability and change in Pacific Island climate expressed in terms of a fundamental set of indicators. The report is directed towards a regional to sub-regional scale, and it incorporates local information as warranted. While focused on documenting historical conditions, some attention is also given to projections and climate impacts. This information about the trends in physical, biological, chemical, and ecological observations due to a changing climate is intended to facilitate communication among, and inform decisions of, a broad spectrum of public and private sector stakeholders in various Pacific Island Countries.

The purpose of **Day Two** is to communicate the latest Pacific projections-based science and science-based climate change services that are incorporated into the Monitor. Attention will also be given to demonstrating the practical application of projections-based scientific assessments to inform hazard-based sectoral CC impact and vulnerability/risk assessments.

The purpose of **Day Three** is to communicate information about observed and expected impact of CC in the Pacific within key sectors. It will include a series of storytelling sessions, where representatives from agencies, organizations and institutions within the region share lessons learned about how they are using Climate Change related data and information to address impacts due to a rapidly changing climate.

The audience for the PICCF is NMHs, sectors, national government policy makers/domain experts, NGOs, regional/national organizations and universities, consultants/private sector, donors and MLDBs, community groups, other researchers, knowledge brokers, etc.

The PICCF is co-organized by the Pacific Regional Climate Network (RCC) Node for Monitoring in partnership with the Pacific Islands Climate Services (PICS) Panel, with technical support from Secretariat of the Pacific Regional Environment Programme (SPREP) and the East West Center (EWC) Pacific Islands Development Program (PIDP). Members of the Pacific RCC include the Australian Bureau of Meteorology (BOM), National Institute of Water

and Atmospheric Research (NIWA), APEC Climate Centre (APCC), Meteo-France, US National Oceanic and Atmospheric Administration (NOAA), Pacific Community (SPC) and the University of Hawaii).

PICC Forum Day 1: Pacific Islands Climate Change Monitor

Virtual Meeting 27 April 2022 10:30-15:35 WST

(21:30 - 02:35 UTC/ April 26 11:30-16:35 HST)

The Pacific Island Climate Change Monitor draws on the latest meteorological and oceanographic data and information to describe historical variability and change in Pacific Island climate expressed in terms of a fundamental set of indicators. Existing observations and climate modeling paint a consistent picture of ongoing climate change interacting with underlying natural variability. The report is directed towards a regional to sub-regional scale, and it incorporates local information as warranted. While focused on documenting historical conditions, some attention is also given to projections and climate impacts.

There is significant demand at regional, national/sub-national and local community levels within the Pacific Islands for science-based climate data and information to inform decision-making; including high-quality monitoring, analysis and communication of observed and future climate change. At the 15th Pacific Islands Forum in Funafuti, Tuvalu in 2019, leaders called on “the international community to immediately increase support and assistance for Pacific-led science-based initiatives intended to improve our understanding of risk and vulnerability...and capacity building support for evidence-based decision-making and project development”. Members of the 4th Pacific Meteorological Council (PMC), in Honiara in 2017, welcomed the renewed focus on climate change science, especially underpinning meteorology and climate services.

Objectives: This information about the current trends in physical, biological, chemical, and ecological observations due to a changing climate is intended to facilitate communication among, and inform decisions of, a broad spectrum of public and private sector stakeholders. Specifically, the regional indicators described in the report are intended to:

- Provide meaningful regionally and locally relevant information about the status, rates, and trends of key physical, biological, chemical variables in light of a rapidly changing climate; and
- Provide such information in a form that is accessible and useful to a wide variety of stakeholders in the public and private sectors as well as the education and scientific communities, thereby facilitating communication and informing decisions on management, research, and education.

Expected Outcomes: This information about the trends in physical, biological, chemical, and ecological observations due to a changing climate is intended to facilitate communication among, and inform decisions of, a broad spectrum of public and private sector stakeholders. Specific outcomes include:

- a) Better understanding of the historical trends in physical, biological, chemical, and ecological observations due to a changing climate;
- b) Improved ability of the NMHs and other stakeholders in the region to make use of this information, in particular the development of individual country reports that contain such information.



Agenda PICC Forum Day One

Virtual Meeting 27 April 2022 10:30-15:35 WST

(21:30 - 02:35 UTC/ April 26 11:30-16:35 HST)

Pacific Islands Climate Change Monitor Chair: PICS panel co-chairs	
TIME (HS Time)	AGENDA TOPIC
11:30-12:00 {30 min}	Registration and communications testing Meeting procedures
12:00-12:15 {15 min}	Official Opening (MC: John Marra, NOAA) Opening prayer - (Arona Ngari) Opening and Intro (Hawaiian Oli- Kalani Quiocho) Opening Remarks (Sefanaia Nawadra, SPREP Director General) Group Photo
12:15-12:45 {30 min}	Session 1 Rollout/Launch - PICS panel co-chairs (moderators) <ul style="list-style-type: none"> ● Purpose/Background (Victoria Keener and Olivia Warrick) (10 min) ● Overview (John Marra) (15 min) ● Questions (PICS panel co-chairs) (5 min)
12:45-12:55 {10 min}	BREAK
12:55-14:05 {70 min}	Session 2.1 Atmosphere - WG1 co-chairs (moderators) <ul style="list-style-type: none"> ● Detailed Review (30min) <ul style="list-style-type: none"> ○ Surface temperature and Rainfall - (Simon McGree) (15 min) ○ Tropical Cyclone and Surface Winds - (Michael Kruk) (15 min) ● Questions/Discussion (40min)
14:05-14:20 {15 min}	BREAK



<p>14:20-15:30</p> <p>{70 min}</p>	<p>Session 2.2 Oceans- WG2 co-chairs (moderators)</p> <ul style="list-style-type: none"> ● Detailed Review (30 min) <ul style="list-style-type: none"> ○ Sea Level - (Matthew Widlanksy) (12min) ○ Ocean Heat - (Grant Smith) (12 min) ○ Ocean BioChemistry - (Scott Heron) (6min) ● Questions/Discussion (40min)
<p>15:30-16:20</p> <p>{50 min}</p>	<p>Session 3 Next Steps (John Moderator)</p> <ul style="list-style-type: none"> ● Facilitated Discussion - 4 Breakout Groups Questions for Breakout groups (20min) ● Breakout Reports and Discussion ● Group report outs - (20min) Plenary summary (John Marra) (10min) <p>Breakout Group Moderators</p> <ul style="list-style-type: none"> ● Laura Brewington ● Siosina Lui ● Zena Grecni ● Heather Kerkering
<p>16:20-16:35</p> <p>{15 min}</p>	<p>Protocol Closing of Session - PICS Panel Chairs</p>
<p>END OF PICC Forum - Day 1</p>	



PICC Forum Day 2: Climate Change Projections and Impacts/Risks/Applications

Virtual Meeting 28 April 2022 10:30-15:00 WST

(21:30 - 02:00 UTC/ April 27 11:30-16:00 HST)

The purpose of **Day Two** is to communicate the latest Pacific projections-based science and science-based climate change services that are incorporated into the Monitor. Attention will also be given to demonstrating the practical application of projections-based scientific assessments to inform hazard-based sectoral climate change impacts and vulnerability/risk assessments.

Objectives: This information about the future physical, biological, chemical, and ecological observations due to a changing climate is intended to facilitate communication among, and inform decisions of, a broad spectrum of public and private sector stakeholders. Specifically, the purpose is to:

- a) Communicate/showcase the latest Pacific projections-based science and science-based climate change services, including PCCM “Future Climate”
- b) Demonstrate practical application of projections-based scientific assessments to inform hazard-based sectoral CC impact and vulnerability/risk assessments

Target Audience: NMSs, sectors, national government policy makers/domain experts, NGOs, regional/national organisations and universities, consultants/private sector, donors and MLDBs, community groups, other researchers, knowledge brokers etc.

Expected Outcomes: This information about the future trends in physical, biological, chemical, and ecological observations due to a changing climate is intended to facilitate communication among, and inform decisions of, a broad spectrum of public and private sector stakeholders. Specific outcomes include:

- a) Better understanding of future trends in physical, biological, chemical, and ecological observations due to a changing climate;
- b) Improved ability of the NMHS and other stakeholders in the region to make use of this information, in particular the development of individual country reports that contain such information.



	<ul style="list-style-type: none"> How can delivery partners better coordinate to enhance and support research collaboration in the Pacific
13:50-14:00 {10 min}	BREAK
14:00-15:50 {110 min}	<p>Session #2: Science informing services/capacity development (Co-Chairs: SPREP/Ofa & CSIRO/Geoff)</p> <p>Keynote: Science-based climate change impact assessments (Dr Leanne Webb, CSIRO) (30 min)</p> <ul style="list-style-type: none"> Step-by-step guidance materials Case studies/applications Knowledge brokering resources and communication collateral (RCCAP.org) <p>Platforms, portals and websites (10 min each):</p> <ul style="list-style-type: none"> IPCC interactive atlas (Dr Michael Grose, CSIRO) AP-Plat and CMIP6 projections viewer (Dr Yuji Masutomi, NIES) Van KIRAP portal (Mr. Nathan Eaton, NGIS) <p>Pacific Climate Change Centre (Ofa/Yvette, PCCC) (20 min):</p> <ul style="list-style-type: none"> Capacity development and e-training <p>Moderated panel discussion/Q & A - Session #2 presenters, plus:</p> <ul style="list-style-type: none"> Dr Vili Iese, USP Ms Mari-Vaughn Johnson (PI-CASC/USGS) Ms Yvette Kerslake, PCCC Mr Sunny Seuseu, SPREP Van KIRAP <p>Key questions to address:</p> <ul style="list-style-type: none"> What are the key capacity gaps in the Pacific for enhancing the application of the science by sectors? What technical resources and support are needed at i) regional, and ii) national level for PIC users of CC science and services? How can we better support the development and application of the science and services to enhance local community application of Traditional Knowledge? What is the role of case studies in demonstrating both science and TK applications to address climate risk and opportunity? What is the role of NMS, universities, sectors and delivery partners in system-wide uplift in climate science literacy across the Pacific
15:50-16:00 {10 min}	<p>Wrap up and Meeting Close</p> <ul style="list-style-type: none"> Closing Comments (Salesa Nihmei, Ofa/Yvette and Geoff Gooley)
END OF PICC Forum - Day 2	



PICC Forum Day 3: Talk Story - Stories of Success in Climate Resilience

Virtual Meeting 29 April 2022 10:30-15:25 WST

(21:30 - 02:25 UTC/ April 28 11:30-16:25 HST)

The purpose of **Day Three** is to communicate information about observed and expected impacts of climate change in the Pacific within key sectors. It will include a series of storytelling sessions, where representatives from agencies, organizations and institutions within the region share lessons learned about how they are using climate-related data and information to address impacts due to a rapidly changing climate.

Agencies, organizations, institutions, and their various stakeholders across the region recognize that climate change exacerbates existing risks to public health, employment, and economic stability. It is critical that Pacific Island countries and their local communities are able to make use of the best environmental data, products, and services to help protect themselves and their livelihoods. In this context, collaboration, and more precisely “co-production of knowledge” is essential, so what evolves is a shared understanding of information and capabilities needed to inform situational awareness and empower policy and decision-makers as they strive to prepare for and respond to the challenges that a rapidly changing climate will bring.

This event will provide an opportunity to hear from our island inhabitants about actions they are taking to enhance their resilience to climate change impacts, including increasing their capacity to take actions in a manner that is socially and culturally appropriate to place. This set of talk story dialogs will show how these local communities are working with their governments, environmental organizations, academia, and climate experts to overcome the unique challenges associated with climate change in an island environment. Furthermore, this session will allow for discussion among various Pacific Island countries on what measures need to be taken to ensure that appropriate data and observations are generated, transformed to actionable knowledge, and transmitted in a way that builds the capacity of communities to utilize environmental data, products, and services to address impacts due to a rapidly changing climate.

To achieve our goals we will apply a traditional “talk story” approach, whereby panelists impart their knowledge of climate change and how it exacerbates existing social inequities that can threaten public health, employment, and economic stability through storytelling. Each panelist will work with staff at the East-West Center to record their climate story based around a set of predetermined questions. The video that will be shared will not only reduce potential bandwidth issues for some panelists, but it will also allow us to capture their story so that it can be shared with a broader audience as well as memorialized for future generations. There will be two sessions of four panelists, with time reserved at the end for a group discussion (15 minutes).

Discussion topics include: Health, Food (ag), Fisheries/Aquaculture, Water, Energy, DRM/infrastructure. Sessions will be organized by the capacity of each island and will provide place-based perspectives.



Objectives: This information about the future physical, biological, chemical, and ecological observations due to a changing climate is intended to facilitate communication among, and inform decisions of, a broad spectrum of public and private sector stakeholders. Specifically, the purpose is to:

- a) Communicate information about observed and expected impacts of climate change in the Pacific within key sectors.
- b) Showcase agencies, organizations and institutions within the region to share lessons learned about how they are using climate-related data and information to address impacts due to a rapidly changing climate.

Expected Outcomes: The information that is shared through these stories as it relates to sector based resilience, expected impacts, and actions being undertaken to address climate change in these Pacific island communities is intended to facilitate communication among, and inform decisions of a broad spectrum of public and private sector stakeholders. Specific outcomes include:

- a) Better understanding of expected impacts on key sector in the regions;
- b) Improved ability to make use of this information, increase their capacity to take actions that will enhance resilience planning within individual countries and communities in the region.



Agenda

PICC Forum Day Three

Virtual Meeting 29 April 2022 10:30-15:35 WST

(21:30 - 02:25 UTC/ April 28 11:30-16:35 HST)

Talk Story - Stories of Success in Climate Resilience Co-convenors/leads: NOAA and EWC PIDP, UH, PI-CASC, CSIRO	
TIME (HS Time)	AGENDA TOPIC
11:30-12:00 {30 min}	Registration and communications testing Meeting procedures
12:00-12:15 {15 min}	Session Opening <ul style="list-style-type: none"> ● Opening Hawaiian Oli - (Kalani Quiocho) (10 min) ● Introduction to the Session - (Emily Smith) (5min)
12:15-12:35 {20 min}	Overview <ul style="list-style-type: none"> ● Expected Impacts PCCM (Victoria Keener and Olivia Warrick) (15min) ● Questions (5min)
12:35-12:45 {10 min}	Traditional Knowledge <ul style="list-style-type: none"> ● Siosina Lui, SPREP
12:45-13:45 {60 min}	Session 1.1 Stories of Success (Pre-Recorded Videos) Introduction of speakers (Pua, NOAA) (5min) <ul style="list-style-type: none"> ● Vanuatu (Mark Kalotap, Government of Vanuatu, Shefa Province Tourism Office) (10 min) ● Papua New Guinea (Kasis Inape, PNG NMS) (10 min) ● Guam (Evangeline Lujan, Guam Climate Change Resilience Commission) (10 min) ● Hawaii (Kawika Winter, HIMB) (10 min) Virtual Panel Discussion (15min) Moderator (Pua Kamka) with Panel only <u>Questions</u>
13:45-13:55 {10 min}	BREAK
13:55-14:55	Session 1.2 Stories of Success (Pre-Recorded Videos) Introduction of speakers (Pua, NOAA) (5min) <ul style="list-style-type: none"> ● Tokelau (Mika Perez, Department of EDNRE) (10 min)



{60 min}	<ul style="list-style-type: none"> ● Cook Islands (Arona Ngari, Cook Islands NMS) (10 min) ● Palau (Xavier Matsutaro, Palau Office of Climate Change) (10 min) ● RMI (Reginald White, RMI NMS) (10 min) <p>Virtual Panel Discussion (15min) <i>Moderator (Pua Kamaka) with Panel only</i> Questions</p>
14:55-15:05 {10 min}	BREAK
{60 min}	<p>Session 2: Key Messages-facilitated discussion from Talk Story - Climate Impacts and Resilience</p> <ul style="list-style-type: none"> ● Breakout Groups (Total 4) - (20min) <ul style="list-style-type: none"> ○ Questions ● Report out from Breakouts and Discussion (plenary) (20 min) <ul style="list-style-type: none"> ○ Moderators for groups 1-4 report out, questions, etc. ● Group discussion synthesis (Moderator: John Marra) (20 min) <p>Breakout Group Moderators</p> <ul style="list-style-type: none"> ● Laura Brewington ● Siosina Lui ● Zena Grecni ● Heather Kerkering
16:05-16:20 {15 min}	<p>Summary/Next Steps</p> <ul style="list-style-type: none"> ● Day 1 lead - (Jim Potemra) (5 min) ● Day 2 lead - (Geoff Gooley) (5 min) ● Day 3 lead - (Victoria Keener and Olivia Warrick) (5 min)
16:20-16:25 {5 min}	<p>Closing Remarks - PICS Panel Chairs (5min)</p>
16:25-16:35 {10 min}	<p>Closing of PICC Forum</p> <ul style="list-style-type: none"> ● Closing Remarks (Tagaloa Cooper-SPREP) ● Protocol - (Kalani Quiocho) (10min)
END OF 2022 PICC Forum	

PICC Forum Day One Questions for Breakout Group



Session 3 Next Steps

Facilitated Discussion

Questions for Breakout groups

1. How could the report be used?
2. What resources are needed to create national reports?

PICC Day 3- Session 2 Key Messages-facilitated discussion from Talk Story - Climate Impacts and Resilience

4 Breakout Groups

The groups will be broken up randomly with the exception of 1 moderator and 2 of the case study panelists. The thoughts behind this is to help the conversations along and provide expertise as needed.

Moderators:

1. Laura Brewington
2. Siosina Lui
3. Zena Grecni
4. Heather Kerkering

Questions:

1. What are key messages, and lessons learned that are applicable across sectors.
2. Are there any issues that were not addressed?

