



“Science to Services for a Resilient Pacific”

Fifth Meeting of the Pacific Meteorological Council (PMC-5) Working Papers

7-9 August 2019
Apia
Samoa

Agenda Item 18.1: The Republic of Korea – Pacific Islands Climate Prediction Services Project Phase 2 (ROK-PI CliPS 2)

Purpose:

1. To provide information on the Republic of Korea-Pacific Islands Climate Prediction Services Phase 2 project.
2. To seek cooperation on future activities to be conducted under the auspices of the project through the Pohang University of Science and Technology (POSTECH) and SPREP with expertise from the APEC Climate Center (APCC).

Background:

1. The first ROK-PI CliPS project was successfully completed in December 2017 with the launch of the Pacific Island Countries Advanced Seasonal Outlook (PICASO) and the Climate Information ToolKit for the Pacific (CLIK-P).
2. During the PMC-4, the PMC “requested additional resources to develop a **user-friendly integrated approach** to determine the optimal prediction for higher quality forecast information in the Pacific Islands; and requested additional resources for communication, **capacity building and training** of NMHS and in-country stakeholders to ensure that the tools and products developed by ROK-PI CliPS are taken up for decision making in sectors such as Agriculture, Health, Water, Disaster Risk Reduction, and so on.”
3. In 2018, the APEC Climate Center (APCC) conducted a self-funded project to update PICASO (addition of a regional forecast function for SPREP and new stations in Nauru, Samoa, and FSM) and conduct additional capacity building in the form of a sub-regional training program held in Kiribati.

Update:

1. Therefore the Republic of Korea-Pacific Island Climate Prediction Services Phase 2 project (ROK-PI CliPS 2) aims to address a portion of the above outlined requests through two separate outputs: (1) integrated forecast function in PICASO, and (2) PICASO regional, sub-regional, and in-country training programs. It is funded by the Government of Korea through the Pacific Island Forum Secretariat (PIFS) and implemented by the Pohang University of Science and Technology



(POSTECH) and SPREP with expertise from the APEC Climate Center (APCC). The project will run for 3 years from 2018-2020. The Regional Project will benefit Cook Islands, FSM, Fiji, Kiribati, RMI, Nauru, Niue, Palau, PNG, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

2. The main objective of the project is to **increase the resilience of the Pacific Islands through strengthening their capacity for the utilization of high quality climate prediction information**. The project aims to build the resilience of the Pacific Islands to climate change through the strengthening of the NMHS capacity to contribute to community resilience and national development planning. The tailored region-specific climate prediction system developed during the ROK PI CliPS project, PICASO, will be updated and enhanced.

3. The integrated forecast function will be inserted into PICASO and will be named the “Consensus of Climate Outlooks”, or CoCO, eliminating the need for a separate system and streamlining services.

4. The 1st regional training workshop on PICASO will be held in conjunction with PICO5 in October 2019. Sub regional and national trainings will also be organised and member countries will be informed.

Recommendations:

The Meeting is invited to:

- Note** and welcome the official launch of the ROK-PI CliPS Phase 2 project in October 2018 in accordance with the requests outlined in the PMC-4 meeting report;
- Recognise** the importance of the newly launched ROK-PI CliPS project in strengthening the capacity of the Pacific Island NMHS’s to utilize high quality climate prediction information;
- Applaud** the efforts of the APEC Climate Center to maintain the continuity of PICASO development through self-funded updates and capacity building in 2018, as well as the joint efforts of APCC and SPREP to secure funds for the ROK-PI CliPS Phase 2 project;
- Recommend** all NMHS Directors to provide historical station-based data to SPREP upon request for the project duration or through formal data agreements;
- Recommend** that this project and the COSPPac project coordinate their activities and trainings in the region, as well as contribute to the technical discussions in the PICS Panel; and
- Recommend** the utilization of PICASO and CLIK-P to be incorporated into each Pacific Island NMHS standard operating procedures for generating seasonal outlooks to ensure long term sustainability of the tool.

Attachment

1. Outcome of the ROK-PI CliPS Phase 1 (flyer)

Links

- CLIK-P: clikp.sprep.org
- PICASO Introduction: <https://youtu.be/CkiQBPqf5aM>

31 July 2019

