

ROK-PI CLIPS







Republic of Korea-Pacific Islands Climate Prediction Services Project

The ROK–PI CLIPS is a project that seeks to provide nationally-tailored seasonal climate prediction information and build the prediction capacity of Pacific Islands.

Who we are and our partners

The project is being implemented by the APEC Climate Centre (APCC) and the Secretariat of the Pacific Regional Environment Programme (SPREP). It is funded by the Government of Korea through the Pacific Island Forum Secretariat (PIFS). The project will be completed in three years from 2015–2017.

What we plan to do

The main objective of the project is to strengthen the adaptive capacity of vulnerable communities to climate risks at the seasonal timescale. The project aims to build the adaptive capacity of vulnerable communities and users of climate information and services. This will be done by strengthening the capacity of the National Meteorological and Hydrological Services (NMHS) to contribute to community resiliency and national development planning. Tailored climate prediction information using a region-specific system will be developed.

Why are we doing it

Small island developing states in the tropical Pacific are increasingly vulnerable to the impacts of climate variability, extremes, and change, such as loss and damage to infrastructure and natural assets from climate-related natural disasters and associated threats to the health and well-being of the population. Seasonal climate prediction services play a critical role in utilising advanced climate prediction (early warning outlooks) to understand the causes, impacts, and necessary provisions to prepare for anticipated extreme climate events. By using the nationally-tailored seasonal climate prediction information, the Pacific Islands will be able to better inform decision making regarding climate risk reduction and adaptation in the region.

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OUR VISION: The Pacific environment, sustaining our livelihoods and natural heritage in harmony with our cultures.

Our outcomes

The project will develop region-specific downscaling methodologies and establish a climate prediction system. The work will consider the unique geographic features of the Pacific and build upon the programmes named above, utilising APCC's multi-model ensemble prediction system and the support from the SPREP Pacific Met Desk Partnership.

APCC will not only provide climate information but also assist the Pacific Island Countries and Territories National Meteorological and Hydrological Services to self-operate the dynamical seasonal forecasting system after transferring it to the SPREP Pacific Met Desk Partnership. This system will be connected to the climate prediction information system at APCC via the Internet. Then, APCC and the Pacific Met Desk Partnership will develop guidelines and train participating NMHS's in order for them to effectively analyse the information and utilise the forecasting information to support decision-making processes.



2015 2016 2017 Establishment of the Transfer of the Optimisation of the System Dynamical Seasonal Dynamical Seasonal System Establishment Prediction System Forecasting System Development Establishment Development of the Development of and Transfer of of the System Development Downscaled Prediction System the Downscaling Methods and Operational and Transfer the Downscaled Prediction System Support Analysis of the Climate Variability Development of the Development of Application Application Guideline for Targeted Guideline Countries Training of the Training of the Training of the Training of the Operational Climate Information Guideline and its Downscaling System Application Capacity Application Methods Application Establishment of the Development System Dynamical Seasonal and Provision Forecasting System Establishment and of Prediction and Cooperation Network Optimisation Techniques

The Regional Project will benefit these countries:

Project impacts

"The Republic of Korea-Pacific Islands Climate Prediction Project will allow us to be able to do statistical and dynamical downscaling to individual islands and be able to extract information to stakeholders."

Mr. Max Sitai, Solomon Islands Meteorological Service

⁵⁶The introduction of CLIK prediction system by the Republic of Korea-Pacific Islands Climate Prediction Project has provided National Meteorological Services direct access to dynamical models and increased our capacity to provide tailored climate forecasts to support decision making in various sectors and communities.³¹

Ms. Fa'apisa Aiono, Samoa Meteorological Service

The project is very important to us, because the more seasonal climate outlook prediction tools we look at, the easier for us to make our final decision.^{}

Mr.Niko Iona, Tuvalu Meteorological Service

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