

Enhancing the climate resilience of the Pacific Island region

The Pacific Islands region is one of the world's most vulnerable regions to climate change. This region is highly dependent on their food production systems and fisheries, and are subject to widespread destruction by natural disasters like tropical cyclones.

High quality climate information tailored to the local scale will build the adaptive capacity of the Pacific Islands to climate risks at the seasonal timescale by providing time to prepare for climate variability events.



This project is funded by the Government of Korea through the Pacific Island Forum Secretariat (PIFS) and is currently being implemented by the APEC Climate Center (APCC) and the Secretariat of the Pacific Regional Environment Program (SPREP).

APEC Climate Center



As a hub of climate science and application activities in the Asia-Pacific region, APCC provides optimized climate information and technology for the region and beyond. APCC strives to contribute to safer and more resilient communities through innovative research, operational products and services, and capacity building in the field of climate science and its applications.

www.apcc21.org

Secretariat of the Pacific Regional Environment Programme



SPREP is an intergovernmental organisation based in Apia, Samoa. The organisation is held accountable by the governments and administrations of the Pacific region to ensure the protection and sustainable development of the region's natural resources. The organisation actively promotes the understanding of the connection between Pacific island people and their natural environment and the impact that these have on their sustenance and livelihoods.

www.sprep.org

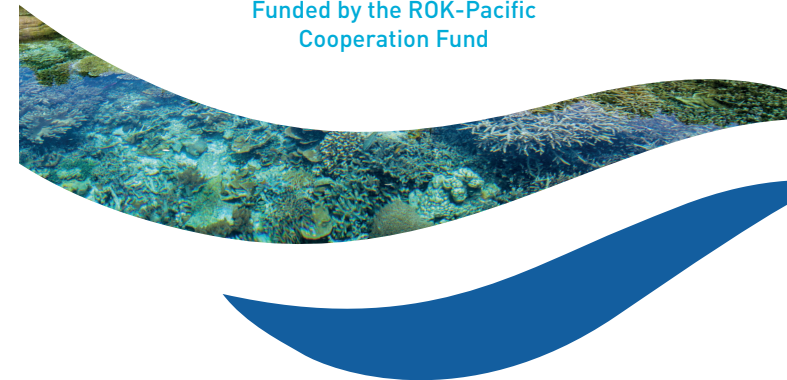
ROK-PI ClIPS

Republic of Korea-Pacific Islands
Climate Prediction Services

Strengthening the adaptive capacity of vulnerable communities to climate risks at the seasonal timescale



Funded by the ROK-Pacific
Cooperation Fund



Project Overview

The ROK-PI CliPS project, which runs from 2014-2017, aims to build the adaptive capacity of vulnerable communities and users of climate information and services. This is achieved by strengthening the capacity of the National Meteorological and Hydrological Services (NMHSs) to contribute to community resiliency and national development planning.

Components

CLIK®

a web-based dynamical multi-model ensemble (MME) seasonal prediction tool optimized to the Pacific Island region

PICASO

a PC-based seasonal prediction software tailored for the Pacific Island region

Application Guideline

a guideline to understand the local climate drivers and to interpret the tailored dynamical climate predictions

Capacity Building

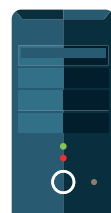
increasing the ability of Pacific Island climate officers to generate high quality climate forecast information



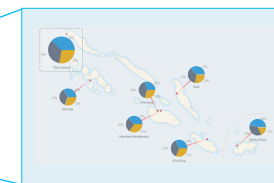
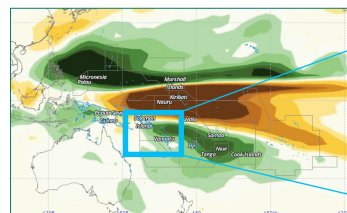
- Based on dynamical prediction methods
- Utilizes global multi-model ensemble
- Provides large-scale predictions for the Pacific Islands



- Localized dynamical prediction information to the station level
- User-friendly
- Customized climate drivers



Server



Capacity Building



- Increased understanding of dynamical climate prediction
- Increased ability to generate high quality climate forecasts that can inform other sectors and policies

104 trained climate officers



41 females

63 males

Enhanced Climate Outlook

The Pacific Island region has full control of the state-of-the-art dynamical multi-model ensemble climate prediction system, enabling them to independently generate high quality tailored, station-level seasonal predictions.

