

Regional workshop on strengthening MHEWS in Pacific Island countries

SPREP Climate Early Warning activities.

Philip Malsale
26-27 April 2018
Tanoa Hotel

Presentation Outline

- Overview of SPREP
- SPREP Past EWS activities
- SPREP current EWS activities

SPREP Overview

- SPREP is the regional organisation established by the Governments and Administrations of the Pacific charged with protecting and managing the environment and natural resources of the Pacific.
- The head office is based in Apia, Samoa with about 100 staff.

SPREP Overview

- The strategic direction for SPREP is clearly set out in the 2017-2026 SPREP Strategic Plan. The Plan outlines the mandate, vision and programmes for the organisation **Mandate**
- SPREP's **mandate** is to promote cooperation in the Pacific region and provide assistance in order to protect and improve its environment and to ensure sustainable development for present and future generations.
- SPREP is guided by its **vision for the future**: “A resilient Pacific environment, sustaining our livelihoods and natural heritage in harmony with our cultures”.

Projects (2012-2018)

❑ 9 Projects supported by SPREP and WMO in the region

1. Finland-Pacific (FINPAC) Project on Reduced Vulnerability of Pacific Island Countries' livelihoods to the effects of climate change
2. Republic of Korea- Pacific Islands Climate Prediction Services Project (RoK-PI CLIPS)
3. Climate and Ocean Support Services project in the Pacific Project
4. Science-Based Climate Information Services in the Pacific: Communicating New Findings, supporting Application and Developing In-Country Capacity.
5. Programme for Implementing the Global Framework for Climate Services (GFCS) at Regional and National Scales
6. Pacific Islands Global Ocean Observing System (PI-GOOS)
7. Support to Kiribati and Tuvalu Upper Air Observation Network
8. Severe Weather Forecast and Disaster Risk Reduction Demonstration Project (SWFDP) in the South Pacific
9. Installation of Himawari-8/9 Cast Receiving Equipment for Pacific Islands

Past weather and climate EWS projects

FINPac Project

Objective:

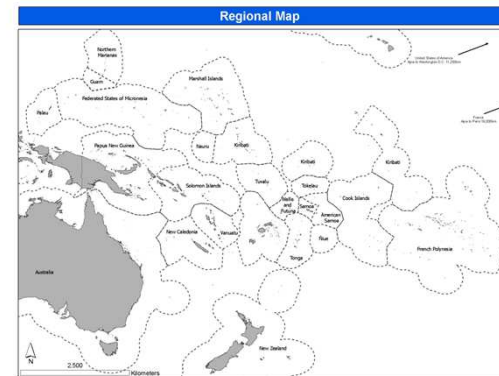
Reduced vulnerability of the Pacific Island Countries' livelihoods to the effects of Climate Change

Purpose:

Improved capacity of the Pacific Island Countries' National Meteorological Services to deliver weather, climate and early warning services in cooperation with and for the benefit of villagers in Pacific communities

Duration

2013-2017



Project Summary



Improved
monitoring



Improved
tools and
products



Improved
Communications



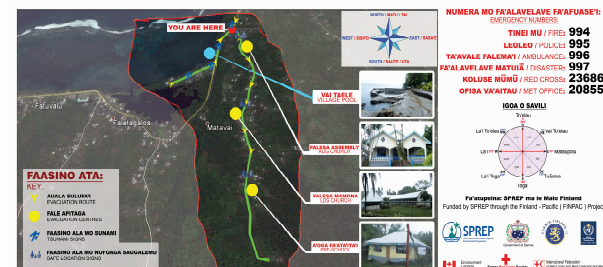
Community
understandin
g and action



Reduced
Vulnerability of
Pacific
Communities



LEFAGAOALI'I - GALULUE MO SE AFIO'AGA UA LAVA TAPENA MO FESUIA'IGA O LE TAU



Pacific Climate Change Science Programme (PACCSAP) 2016-2017

- MoU between SPREP and CSIRO was signed on 26 Oct 2016 to implement a range of activities include support for PMDP, communicating the science products and PCCC;
- PACCSAP Inception Meeting successfully launched in Cook Islands (July 2016)
- Supported PICOF (Oct 2016)
- Provide support to Fiji Met Services in the development of Banners for World Met Day
- Demonstrating sectoral application of climate science training and guidance materials: turning climate science into services



ROK-Pi Clips Project

Objective:

“To strengthen the adaptive capacity of vulnerable communities to climate risks at the seasonal timescale.”

Working Pillars:

One Dynamical Seasonal Forecasting System



Two Downscaled Prediction System



Three Development of the Application Guideline

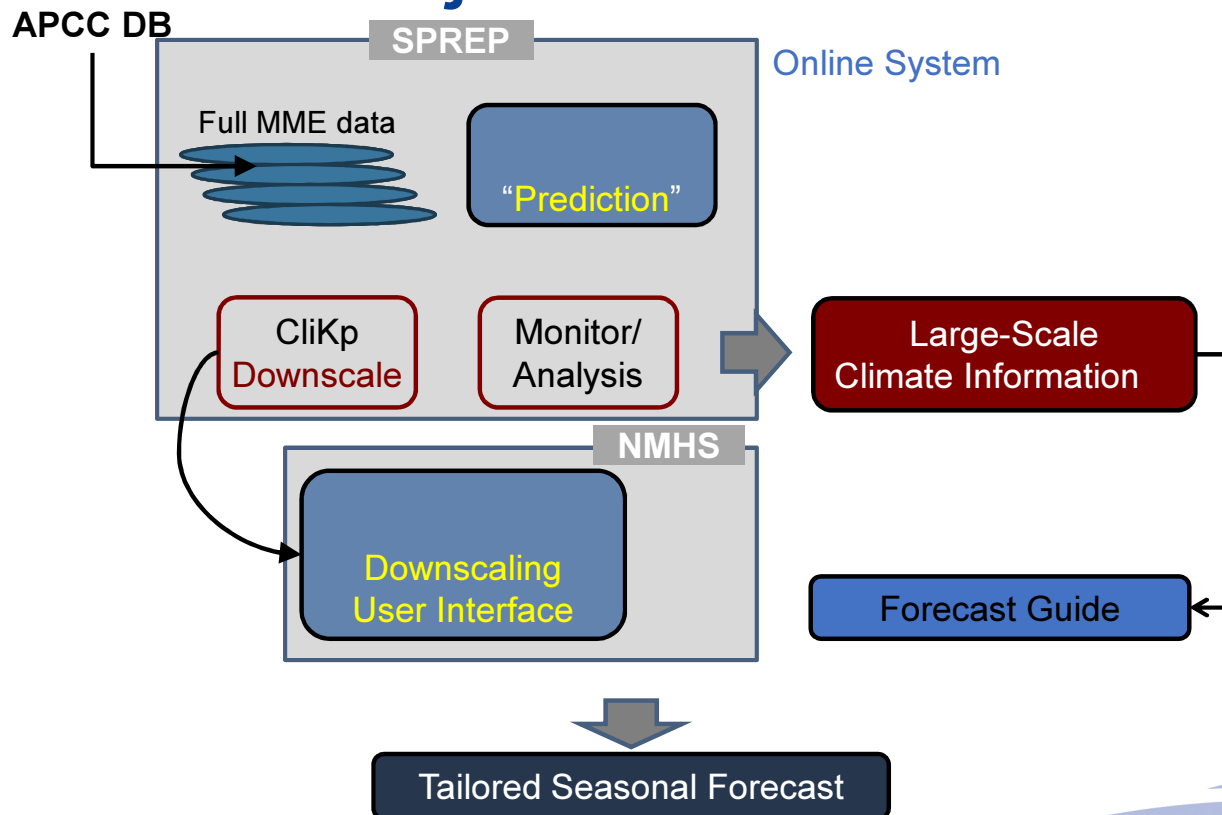
→ Forecast Guidance I & II

Four Training of the Climate Information Application

→ Training & Young Scientist Support Program



Project structure



Project activities

Dec
2015

CLIK-P Software &
Data Installed onto
SPREP Servers

Dec
2015

In-Country CLIK-P
Training/Demo
[Samoa]



Jan
2016

In-Country CLIK-P
Training/Demo
[Marshall Islands]

Current weather and climate EWS projects

COSPPac Project

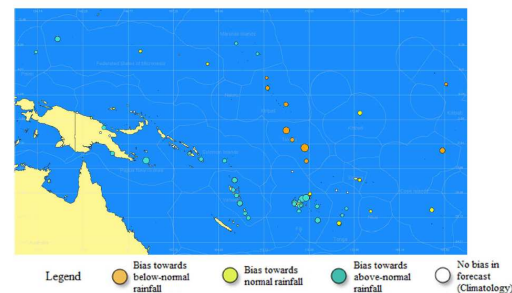
Objective:

COSPPac works with Pacific Island stakeholders to analyse and interpret climate, oceans and tidal data to produce valuable services for island communities. This information helps island communities to prepare for, and mitigate the impacts of severe climate, tidal and oceanographic events.

The major objective for this Project is to contribute to the continued development of seasonal prediction capacity and expanded ocean climate services at the partner country NMSs.

Products and Services

Seasonal Climate Outlook for the period April to June 2018



ENSO Wrap-up



Australian
Aid

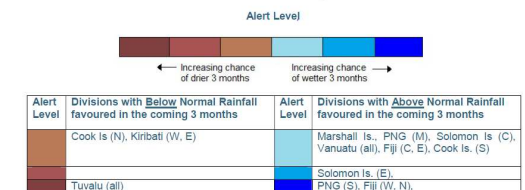
Climate and Ocean Support
Program in the Pacific

SPREP



Climate and Ocean Support Program in the Pacific
(COSPPac)
Red Cross Alert

Seasonal Rainfall Watch: April-June 2018



Monthly Climate Bulletin

March 2018

- Climate and Oceans Support Services
- IT Support services
- Climate Communications Services
- Traditional Knowledge
- Pacific Met Desk Partnership Support Services

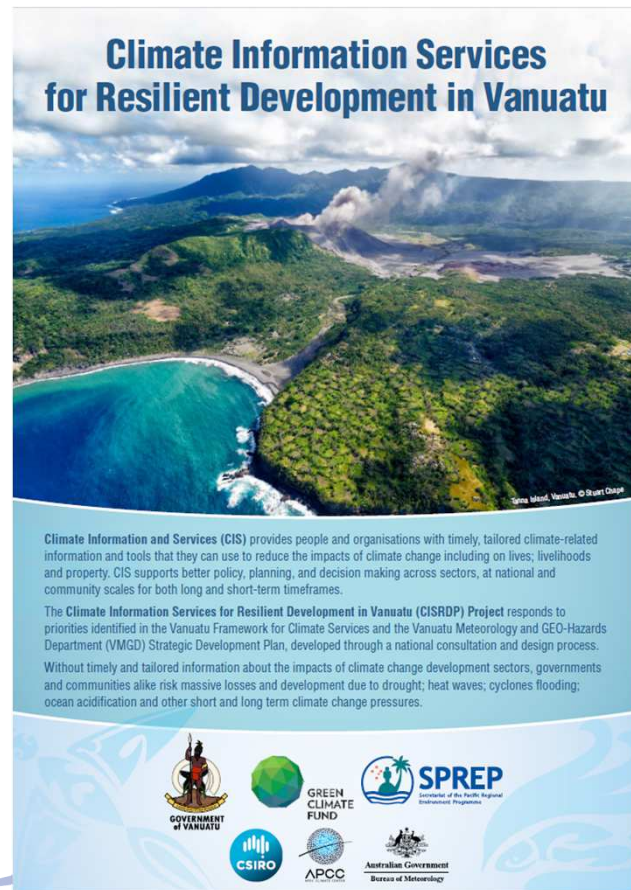


Current weather and climate EWS projects

Vanuatu CIS Project

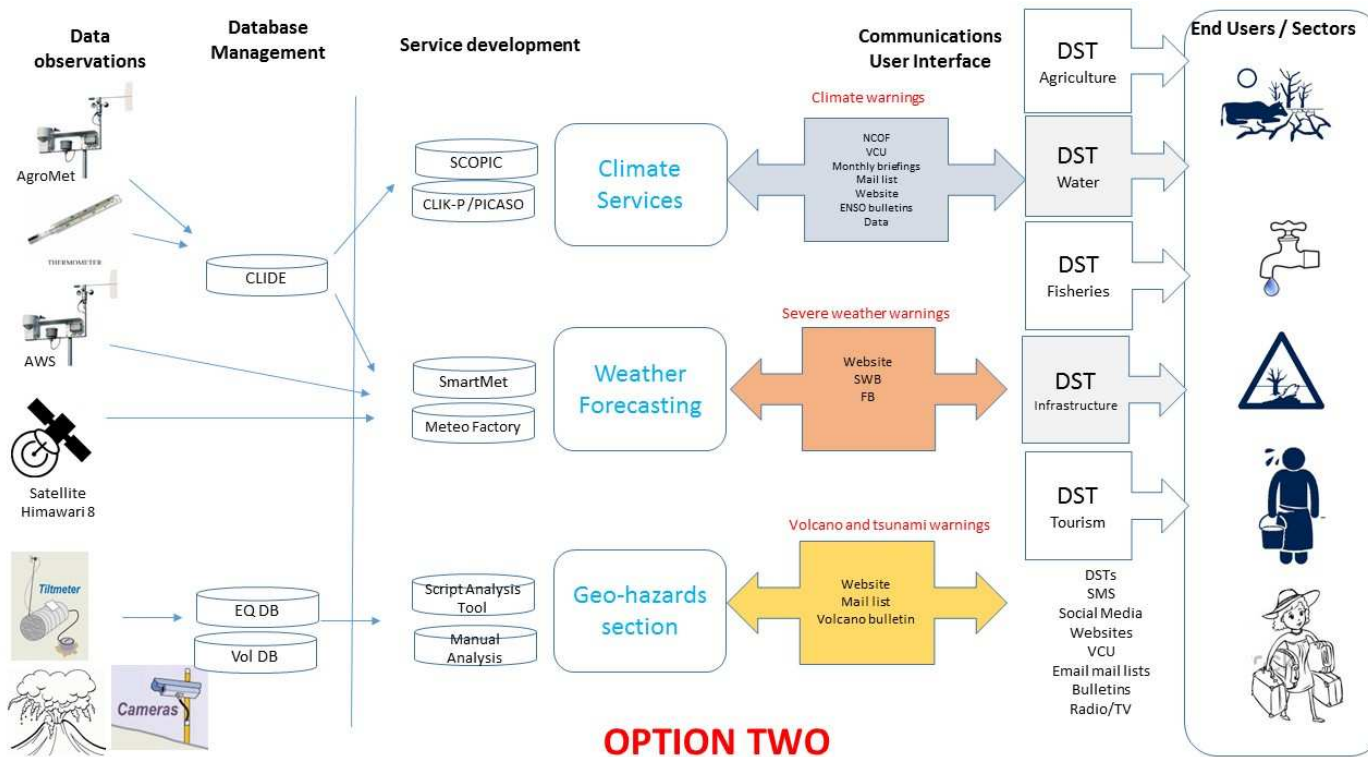
Objective:

- provides people and organisations with timely, tailored climate-related
- information and tools that they can use to reduce the impacts of climate change including on lives; livelihoods
- and property. CIS supports better policy, planning, and decision making across sectors, at national and
- community scales for both long and short-term timeframes.



Key Climate Impacts (Hazards/Risks) & Priority Sectors

Sectors						
Climate impacts		Water	Agriculture	Fisheries*	Infrastructur e	Tourism
	Drought	×	×	×		
	Flood	×	×	×	×	×
	Extreme Temp.	×	×	×		×
	ESL/Stor m Surge				×	
	Tropical Cyclone	×	×		×	×
	Coral Bleachin g			×		×



WMO-Canada-Global Framework for Climate Services Project (2014-2018)



WORLD
METEOROLOGICAL
ORGANIZATION



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada



SPREP
Secretariat of the Pacific Regional
Environment Programme

The Purpose of the Programme is:

- Strengthening capacities and mechanisms for climate services production and delivery in 14 Pacific Islands Countries

Main Project Activities

- 1..1.1 Report on the status of climate capacity in the Pacific (PIMS Review, Climate Services Roadmap and Capacity Assessment Report)
- 1.1.2 Pacific Islands Climate Services Panel Meetings
- 1.1.3 National Stakeholder Consultations on Climate Services (PNG, Kiribati, Tonga)
- 1.1.4 Showcasing benefits of climate services (FINPAC Pilot Sites)
- 1.2.1 Support to the RCC process in the Pacific
- 1.3.1 Support to the first RCOF in the Pacific (PICOF)
- 4.1.1. Support the development of national drought policies (Solomon Islands, Kiribati (Christmas Island) and Tuvalu)
- 5.1.1 Regional training on basic IT knowledge for the production of climate services (SMART MET)



Support to Kiribati and Tuvalu Upper Air Observation Network (2014-2019)

- ❑ Support to the Upper Air Operations for the Tuvalu Meteorological Service (TMS) and the Kiribati Meteorological Service (KMS)



Pipeline Projects Met Services

Potential Project	Commencement	Coverage	Donor + Partners
The Vanuatu Climate Information Services for Resilient Development project	2018	Vanuatu	GCF, SPREP
Intra-ACP Project on Climate Services	2018	Regional	EU, Intra ACP, EUMETSAT, SPREP
COSPPac Phase 2	2018	Regional	Australia, BoM, SPREP, SPC

Thank you