

PACC COMPONENTS:

To achieve its objectives PACC Fiji is focused on long-term planned adaptation response strategies, policies and implementation strategies to bring about this result.

The PACC Project in the region is designed with three (3) inherently related components and outcomes, in order of:

Outcome I: Mainstreaming

To strengthen the institutional framework, policies and plans and the capacity of key national government and community decision-makers to take climate change risks into key decisions in their sustainable resource development programmes.

Outcome II: Pilot Demonstration

To design and demonstrate innovative decision systems, approaches, technologies and practical measures to strengthen the resilience of 14 Pacific Islands to the adverse effects of climate change. The PACC project brings with it the opportunity to develop specific Guidelines in the coastal, food production & food security, and water sector on how climate change assessments and demonstrations can be undertaken, taking current and future changes in climate into consideration. This outcome includes two outputs:

1. Vulnerability Assessments, identification and evaluation of adaptation options
2. Implementation and monitoring of the selected measures

Outcome III: Technical Support and Communication

This Outcome is designed to address the barriers identified in relation to regional responses to climate change adaptation. This output addresses the issue through providing access to technical expertise, and ensuring that new knowledge is shared widely at sector, national, regional and at global level.



PACC National Implementing Agency:

Ministry of Agriculture Land & Water Resource
Management Division
P.O.Box 1499, Nausori
Fiji



PACC Implementing Partner:

Secretariat of the Pacific Regional Environment Programme
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PACC Implementing Agency:

UNDP Multi-Country Office—Samoa
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PACC Funding Agency:

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For more information please visit: www.sprep.org/climate_change/pacc

Pacific Adaptation to Climate Change



FIJI ISLANDS

Building Resilience to Climate Change in Pacific Communities



PACC GOAL:

**TO REDUCE VULNERABILITY
AND INCREASE ADAPTIVE CAPACITY TO
THE ADVERSE EFFECTS OF CLIMATE
CHANGE IN KEY DEVELOPMENT SECTORS
IDENTIFIED BY 13 PARTICIPATING COUNTRIES
IN THE PACIFIC. THESE SECTORS ARE
COASTAL ZONE MANAGEMENT, FOOD
PRODUCTION AND FOOD SECURITY, AND
WATER RESOURCE MANAGEMENT.**

“The impacts of climate change are expected to fall disproportionately upon developing countries and the poorest communities within those countries”

Source: Part of the IPCC Chairman’s address at the UNFCCC COP 8, Delhi, India



SPREP PACC Project Officer Peniamina Leavai (L) with PACC National Project Assistant Coordinator Jone Waqanidrola at the Pilot Site in Tailevu Province;

PACC FIJI:

The PACC project will contribute to Fiji’s adaptation efforts, and its principal objective is to facilitate the implementation of long term adaptation measure to increase resilience to Fiji’s agriculture sector to the adverse impacts of climate change.

The project specifically assists Land and Water Resources Division of the Ministry of Agriculture in Fiji, along with communities and key stakeholders to develop capacity for the design and implementation of drainage and irrigation networks to adapt to current and future impacts of climate change.

The existing design infrastructure and facilities are no longer able to cope with flash flooding and intense rainfall experienced, therefore, additional design factor and supplemented construction of structure and facilities shall be adjusted.

The project activities will focus on reviewing and revising existing drainage design criteria and demonstrating it in a pilot situation to increase resilience of current drainage infrastructure to current and projected changes in extreme events.

Review of the drainage design will also include the review of drainage discharge in relation to ability of different crops to withstand water logging

PILOT SITE:

Two pilot sites in Tailevu/Rewa and Serua/Namosi province have been identified for demonstration measures under the PACC project. The populations of the two pilot provinces are 149,763 and 21,203 respectively with a total land area of 12,701 and 139,201 respectively of which 10,122 and 1,643 are considered arable land.

PACC ASSESSMENTS:

In order to develop a revised drainage guideline for Fiji to be used now and in the future, several important assessments need to be carried out which include: hydrology and climatology, hydraulic engineering (drainage), storm and wave run-up modeling, cost benefit analysis, vulnerability and adaptation assessment including socioeconomics and drainage design guideline and the impact of watershed course to the virgin forest which probably need more construction of a series of dam and reservoir and application of other technical considerations.



Fiji PACC Pilot Site in Tailevu Province; pictured is the Naqaraniki River that floods the area and nearby villages during heavy rainfall conditions.

THE PACC NATIONAL FOCAL POINT

National Focal Point for PACC Fiji is the Department of Environment. The Land and Water Resource Management Division of the Ministry of Agriculture is the Implementing Agency.

PACC Participating Countries

