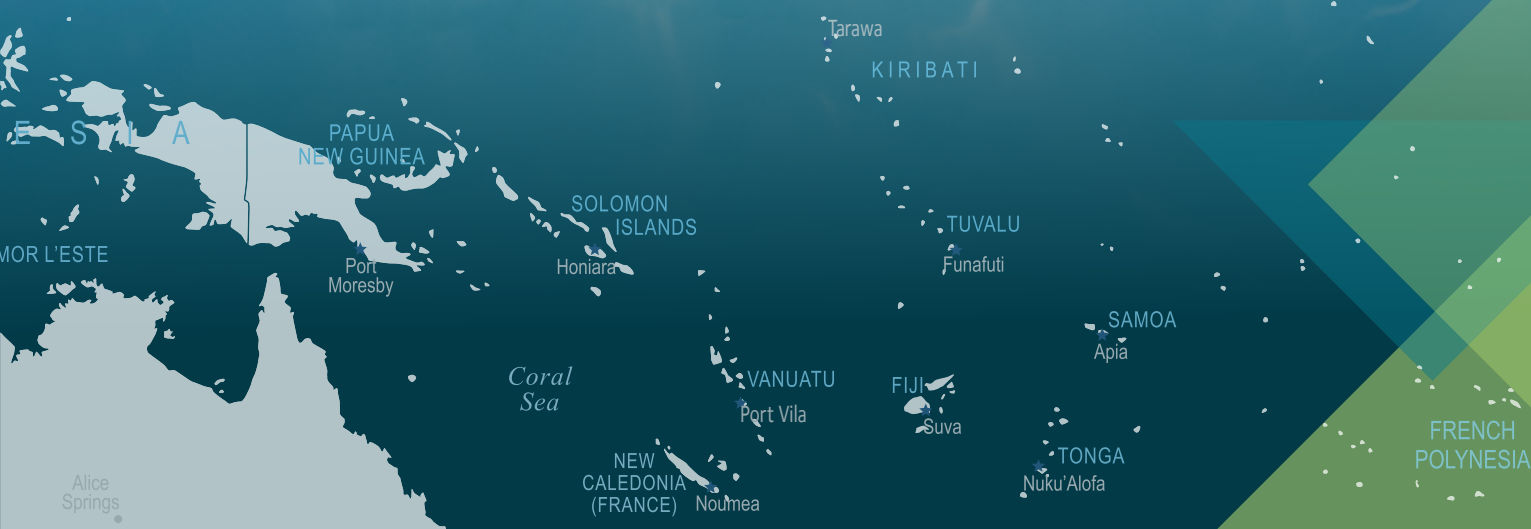


PACIFIC iCLIM

SUPPORTING THE REGIONAL MANAGEMENT OF
CLIMATE CHANGE INFORMATION IN THE PACIFIC

MANAGE - CONNECT - DISCOVER - REUSE



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The past decade has seen significant investments in climate change adaptation and resilience projects in the Pacific island region. In order to maximise the long term benefit of these and future investments, there is a need to ensure the long term discoverability and accessibility of climate change information for the region.

A major barrier to effective adaptation and resilience planning in the Pacific is the availability and accessibility of quality climate change adaptation data and information.

The Secretariat of the Pacific Regional Environment Programme (SPREP) has already undertaken foundational measures to assist its Pacific island member states access and share climate change data and information via the development of the Pacific Climate Change Portal (PCCP).

SPREP is now looking to enhance the technical capacity of the PCCP to ensure that it is entrenched as a secure and stable regional hub for discovering, storing and accessing climate change data and information in the Pacific.

ABOUT THE PROJECT

Griffith University has received grant funding from the Australian Government Department of Foreign Affairs and Trade (DFAT) to support SPREP in implementing a regional approach to climate change data and information management throughout the Pacific.

Ensuring that the climate change data and information developed throughout the Pacific region are effectively managed, discoverable, accessible and reusable will support both regional bodies and national governments to undertake more effective climate change adaptation and resilience planning.

The Pacific iCLIM project commenced on 1 March 2014 and is due for completion on the 30 June 2017.

PROJECT OBJECTIVES

The goal of the Pacific iCLIM project is to enable better climate change resilience and adaptation planning in the Pacific region, by improving the ability of regional bodies and government to discover, store, access and utilise climate change information and data.

To achieve this, Griffith University will assist SPREP in their role of delivering climate change data and information to Pacific Island countries via the Pacific Climate Change Portal (PCCP). The expected end-of-project outcomes are:

1. Regional and national stakeholders are able to more easily discover, store and access priority climate change information and data for the Pacific region.
2. Regional and national stakeholders are able to more easily utilise and incorporate climate change information and data into their existing resilience and adaptation planning activities.
3. SPREP is successfully delivering on their mandate to coordinate climate change information and data management efforts throughout the Pacific.

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KEY INFORMATION MANAGEMENT PRINCIPLES

Transitioning the PCCP towards a more strategic approach to managing climate change information and data will be a key component of the Pacific iCLIM project.

PROGRESS

Pacific iCLIM has published a research publication entitled “Barriers to effective adaptation and resilience planning in the Pacific: an information management perspective,” which highlights a range of regional policy, institutional, operational and ICT issues that inhibit the effective management, delivery and utilisation of climate change data and information. This report has been co-authored by Griffith, SPREP and representatives from the three pilot countries.

Pacific iCLIM is also working towards increasing access to climate change data in the Pacific through development of a web-based regional decision support tool on the Pacific Climate Change Portal (PCCP). In recognition of the role that technology will play in addressing development challenges such as climate change, national and regional stakeholders are helping to identify user requirements for this diagnostic tool.

The Pacific iCLIM project will work with SPREP to ensure that the technical aspects underpinning the PCCP support the following climate change data and information management principles to be achieved throughout the Pacific Region.

Effective Data Management: Providing regional bodies and governments with the capability implement a more coordinated and standardised approach to data management.

Connecting Data: Improving the capability of regional bodies and governments to discover data through greater connectivity among data management systems.

Data Discoverability: Ensuring that connected data have standard metadata, making it more widely discoverable to regional bodies and governments.

Data Reusability: Ensuring that data and data produced from tools are in a format and system that makes them both reusable and re-discoverable.

MANAGE

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SUSTAINABLE STORAGE FOR THE PACIFIC

The Pacific iCLIM project will look at ensuring the long-term sustainability of climate change data and information in the Pacific. This will involve ensuring that:

- ▶ Adequate storage options exist over time.
- ▶ Data are stored in multiple locations.
- ▶ Data are stored in such a way that the data are able to be migrated into other locations if required.
- ▶ Data are described according to accepted standards that allow future users to interrogate and locate data sets.
- ▶ Data are stored in formats that are compatible for future use.

PROJECT ACTIVITIES AND OUTPUTS

1. PCCP Review and e-infrastructure Upgrade:

Working with SPREP to determine use cases for the PCCP and scope the best and most regionally appropriate e-infrastructure for meeting these use cases this.

2. Regional Information Management Protocols:

Working with SPREP to provide consistent guidelines for describing climate change data and information throughout the Pacific.

3. Climate Change Decision Support Tools:

Working with SPREP and other regional stakeholders to develop software decision support tools for priority adaptation and resilience planning areas.

4. Information Management Training:

Providing information management training to key staff in three pilot countries.

5. Awareness Products:

Producing products that will help regional bodies and governments to better understand and implement good information management practices.

PROJECT CONTACT DETAILS

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The Pacific iCLIM project is an Australian Government Department of Foreign Affairs and Trade (DFAT) funded project which is being implemented by Griffith University in collaboration with the Secretariat of the Pacific Regional Environment Programme (SPREP).