

PACIFIC iCLIM PROJECT

principles + initial lessons

Kalara McGregor
Project Manager
Climate Change and Information Services,
Griffith University

Pacific iCLIM Project

Pacific Climate Change Information Management Project



CONTEXT



Ecologists

"I want to plan for how species distributions will occur in the future"



Farmer Groups

"We want info about genetic improvements in crop varieties to help us anticipate future environmental changes"



Engineers

"We need to be taking steps to *climate proof* our infrastructure against future extreme conditions"



Private Companies

"We need to consider long-term risks in our investment decisions, diversifying product lines, etc"



Development Partners & National Agencies

"We need a reliable project database so we can share resources and track activities"

MAJOR ISSUES

Information stored in ways that limit influence, longevity, discoverability and utilisation –
GLOBAL ISSUE!



PROJECT OVERVIEW



KEY PRINCIPLES



Effective information management



Connectivity



Data discoverability



Data reusability

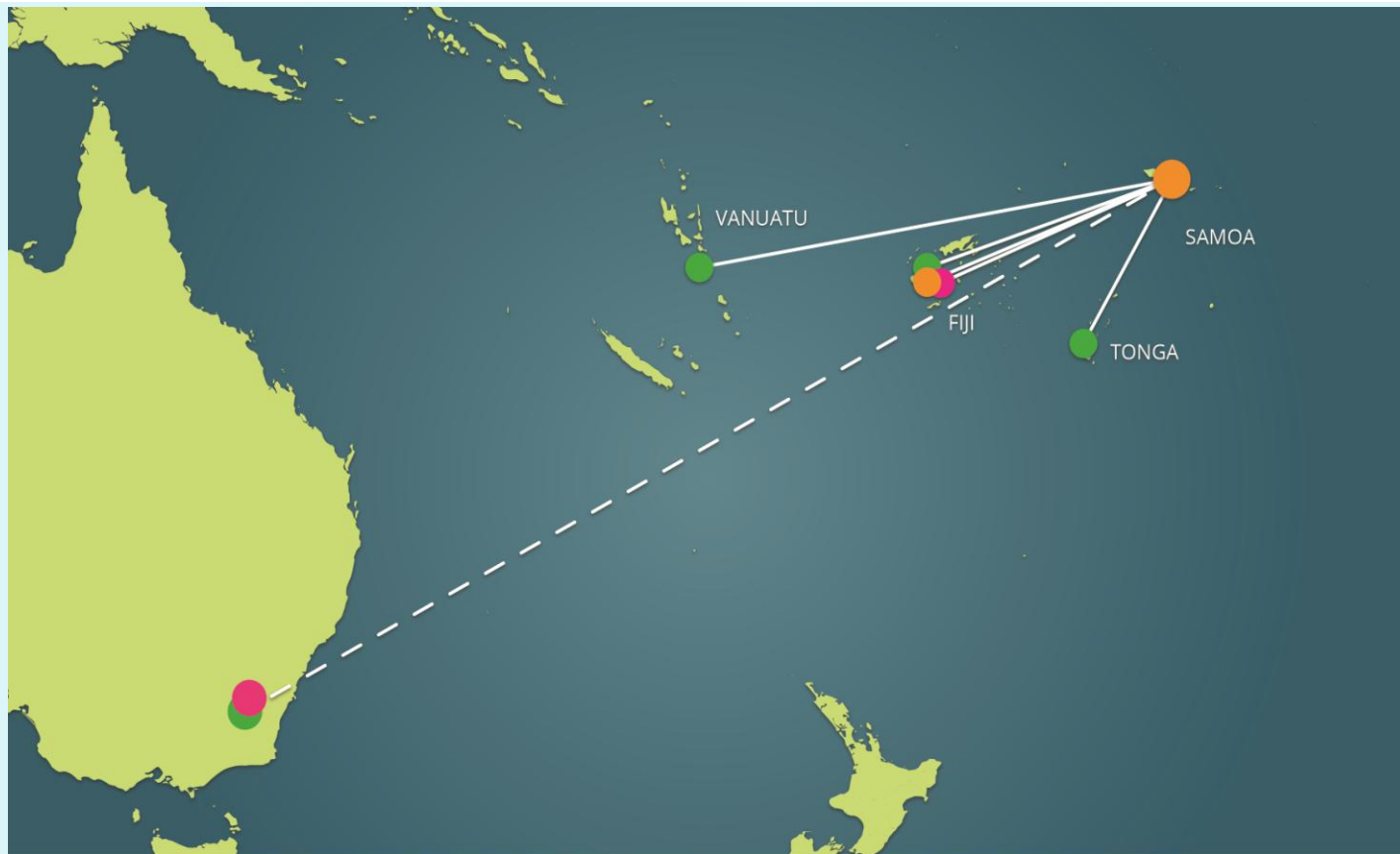
Pacific iCLIM Project

Pacific Climate Change Information Management Project

CONTEXT

	Storage Providing storage for climate change data and information	Data Development Developing new change data and information	Managing Existing Data Managing existing climate change data and information	Connecting Databases Connecting climate change data and information platforms	Enhancing Usability Enhancing the ability to discover, access and utilise climate change data and information
Key Requirements	<ul style="list-style-type: none"> E-infrastructure must be secure and stable. E-infrastructure must be available for the long-term E-infrastructure must make data uploading easy. 	<ul style="list-style-type: none"> Data must be on secure and stable e-infrastructure. Data should be described before a project is finished. Data should utilise existing storage options. 	<ul style="list-style-type: none"> Collect and describe metadata about data and information. Establish formal licenses and agreements for accessing and sharing cc data and information. 	<ul style="list-style-type: none"> Enable content to be discovered in multiple locations. Promote a single source of truth. Support database autonomy 	<ul style="list-style-type: none"> Searching multiple portals with one search. Data should be in a format that promotes reuse. Custom software enhances data usability.
Current Activities	<p>CCCPIR: Funding SPREP and a number of national governments to develop information management hubs for climate change data and information in the Pacific.</p>	<p>PACCSAP: Developing data on climate change impacts in the Pacific.</p> <p>COSPPAC: Ongoing development of seasonal prediction for the Pacific.</p>	<p>SPREP: Manages the Pacific Climate Change Portal (PCCP) and SPREPs other databases.</p> <p>PICTs: Manage their national climate change databases.</p>	<p>SPC & SPREP: Looking at how to harmonise the PCCP and Pacific Disaster Net (PDN).</p> <p>GOKH: Establishing a link between the PCCP and GOKH partners</p>	<p>Numerous project: Are looking at data delivery and how to use software to do this..</p> <p>GOKH: Provides SPREP with guidance on metadata for integration with GOKH.</p>
iCLIM Value-Add	<ul style="list-style-type: none"> Advising SPREP and pilot countries on IT approaches for developing secure and sustainable e-infrastructure. Providing guidance on the development and implementation of secure e-infrastructure practices e.g. storage risk matrixes. 	<ul style="list-style-type: none"> Working with both the PACCSAP and COSPPAC programs to ensure that their data integrates with regional storage systems. Supporting PACCSAP to develop an inventory of PACCSAP data and information with adequate metadata. 	<ul style="list-style-type: none"> Working with SPREP and pilot countries to stocktake existing climate change data and information. Supporting SPREP and pilot countries to collaborate with other bodies on data sharing. Providing guidance on key IM issues e.g. IP. 	<ul style="list-style-type: none"> Supporting SPREP to develop and implement the IT architecture required to connect existing regional and national cc portals. Working with SPREP and pilot countries to develop standard cc information management protocols protocols for the Pacific. 	<ul style="list-style-type: none"> Working with SPREP and pilot countries to develop a federated system for searching cc data and information from multiple existing portals. Working with SPREP and pilot countries to develop two priority decision support tools.

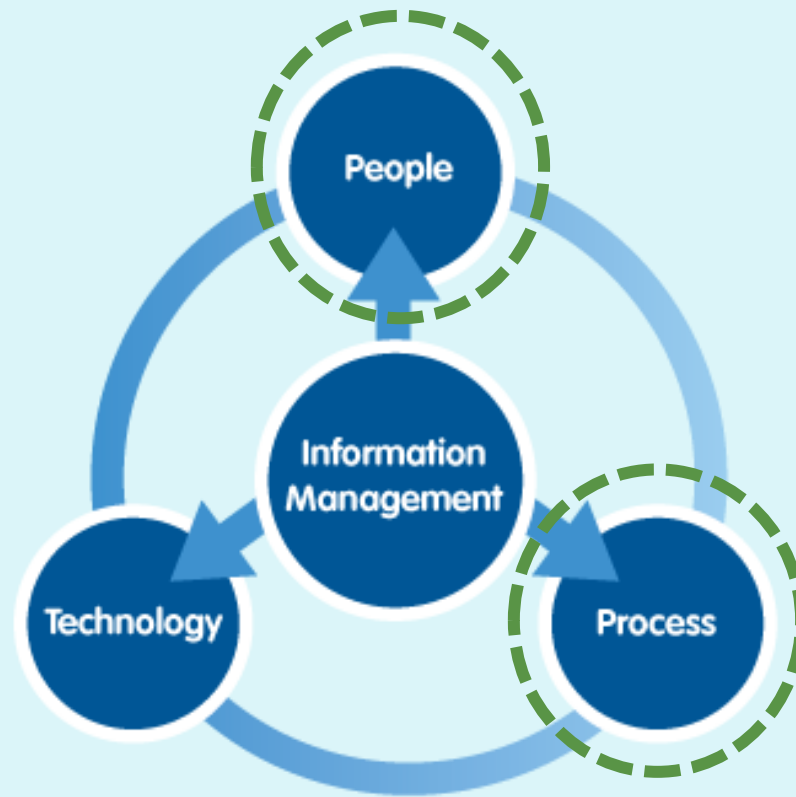
PCCP UPGRADE



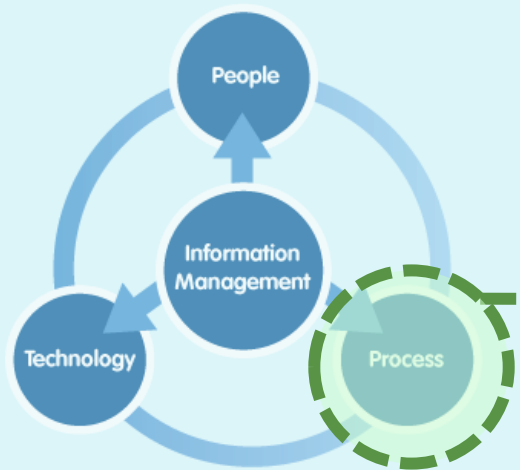
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|-----------------------|------------------------------|-----------------|
| Regional Node | International Institutions | Regional Bodies |
| National Institutions | Non-government Organisations | |
| Governments | Research Institutes | |

NOTE: This image is for concept purposes only, and is not geographically reflective of where climate change e-infrastructure currently exists.

PRINCIPLES & LESSONS



BARRIERS



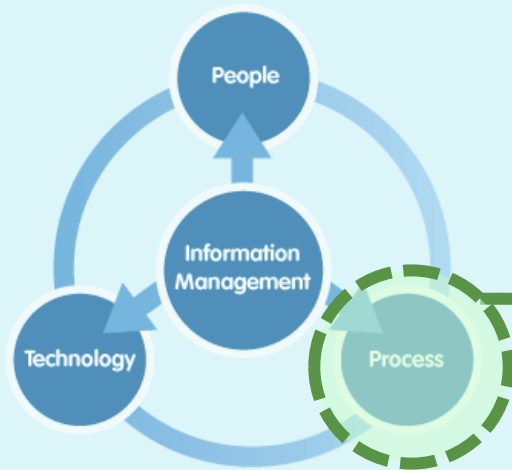
SUPPLY SIDE:

>> *'People will misinterpret the data'*

>> *'Traditional knowledge gathered under our project can't be shared publically...its not ours to share'*

>> *'Information management... is not really part of my job'*

BARRIERS



DEMAND SIDE:

>> *'Its very hard to get reports from the ministries, its very restricted...there are so many levels of bureaucracy...'*

>> *'Its not clear who has the authority to release different resources'*

BARRIERS



PORTAL OFFICERS:

- >> Staff have multiple responsibilities & limited time to collect & collate resources for the portal
- >> Staff have limited formal training

USER NEEDS

- >> *'At the time... the national portal did not have what we needed...but we would really like to use the portal as a means to access information needed for UNFCCC national communication reporting'*



LESSONS

