Pacific Climate Change Science

PACCSAP climate change science, tools and outreach

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.....on behalf of PACCSAP Science Program (CSIRO, Bureau of Meteorology and collaborative partners in Australia & the Pacific)



Activities and outputs

- Science www.pacificclimatechangescience.org
 - Climate data rescue, digitisation & archival
 - Seasonal predictions based on dynamic modelling
 - Understanding large-scale climate features & variability
 - Climate projections for 14 Pacific countries



Tools

- CliDE data management system
- Pacific Climate Futures
- Climate Change Data Portal
- Cyclone Data Portal
- Communication products
 - Technical report & country brochures
 - Summary report
 - Journal papers, animations, fact sheets & training materials

Capacity development

- Mentoring & attachments
- Technical training
- Workshops, conferences, symposia
- Networking & collaboration
- Science outreach/support



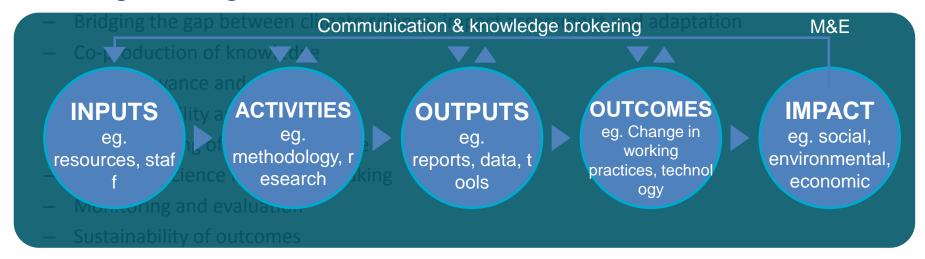
What worked well – partner country collaboration and brochures

- Collaboration with Met Services to enhance capacity development outcomes
- Country-specific brochures first released in 2011 (English and local languages), aligned with Technical Report (2011)
- Updated brochures in 2015 based on new science in Technical Report (2014)
 which had detailed country chapters
- Summary Report (2015) just released!



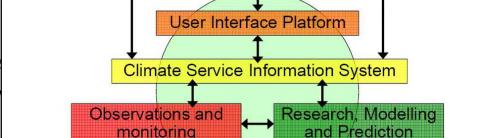
Key challenge – the path to impact

- Great science, tools, communication products and capacity-building activities don't guarantee outcomes and impact
- Knowledge brokering is needed to facilitate:



The future – what could be done differently

- PACCSAP Science Program has finished
- A future science program could:
 - Leverage what has been done for t
 - See <u>www.climatechangeinaustralia</u>
 - Place greater emphasis on user-en to turn outputs into outcomes and
 - Focus on sustainable resilient deve
 - Integrated information for early-w climate projections
 - Targeted research on extreme eve
 - Tailored/application-ready climate



CAPACITY DEVELOPMENT

GFCS Guidelines for developing a climate service

Framework is based around five components (or pillars) identified as

being necessary for producing and delivering effective climate services:

USERS

- Support services (guidance material, training, advice, Help Desk) to inform/facilitate evidence-based decision-making
 - Global Framework for Climate Services (GFCS) innovation pathway: Today's climate science is tomorrow's climate service!
- In-country capacity development
 - Coordination, collaboration, partnerships deeper relationships
 - Skills-based training for next users, e.g. Met Services



Thank you

For further information

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Australian Government

Department of the Environment



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Bureau of Meteorology





www.pacificclimatechangescience.org