



“Science to Services for a Resilient Pacific”

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## Fifth Meeting of the Pacific Meteorological Council (PMC-5) Working Papers

7-9 August 2019  
Apia  
Samoa

### Agenda Item 17.3: Pacific Climate Change Science and Services Research Roadmap

#### Purpose:

1. To update the Pacific Met Council on the rationale, process and current status for development of the draft Pacific Climate Change Science and Services Research Roadmap, and
2. To seek endorsement from the PMC of the draft final Research Roadmap to facilitate implementation and further development where appropriate under auspices of the Pacific Islands Education, Training and Research (PIETR) Panel

#### Background:

1. The purpose of the Research Roadmap is to develop and facilitate a strategic approach to prioritisation, coordination and delivery of climate change science and services research in the Pacific; in particular as an adjunct guidance to underpin and inform relevant priorities of the Framework for Resilient Development in the Pacific (FRDP, 2017-2030), and the Pacific Islands Meteorological Strategy (PIMS 2017-2026), Pacific Roadmap for Strengthening Climate Services (PRSCS).
2. A regional consultative workshop was convened by SPREP and CSIRO in Apia, Samoa in April 2018 to initiate development of the draft Research Roadmap as part of a project funded by the Australian Government (DFAT) to facilitate outreach of Pacific climate change science and services. The workshop was attended by NMHS directors, technical partners, donors, and sectoral representatives from partner Pacific Island Countries. The workshop produced two draft documents, one being a discussion paper which captured the workshop proceedings and outcomes, and the second an 'executive summary' of the draft Research Roadmap. Follow up consultation through the NMHSs and other key regional stakeholders was undertaken during 2018/19 to facilitate comments and other feedback prior to updating and finalizing the draft Research Roadmap in early 2019.
3. The Research Roadmap relates specifically to climate science and services research, including traditional knowledge, relevant over multi-decadal (climate change) timescales, including both present and future climate change. The Research Roadmap is a direct response to National Meteorological & Hydrological Services' (NMHS) request to support climate change research, as noted PMC-3 (2015) and PMC-4 (2017) outcomes.



4. In this context, the Research Roadmap is also intended to provide strategic guidance for:
- the development and delivery of climate change science and services research through the Pacific Climate Change Centre and the Projections Node of the WMO RA-V Pacific Islands Regional Climate Centre Network (PI-RCC Network)
  - development of enhanced Pacific engagement of the IPCC Ar6 process, and
  - development and implementation of 'Next Generation' climate change science and services for the Pacific.

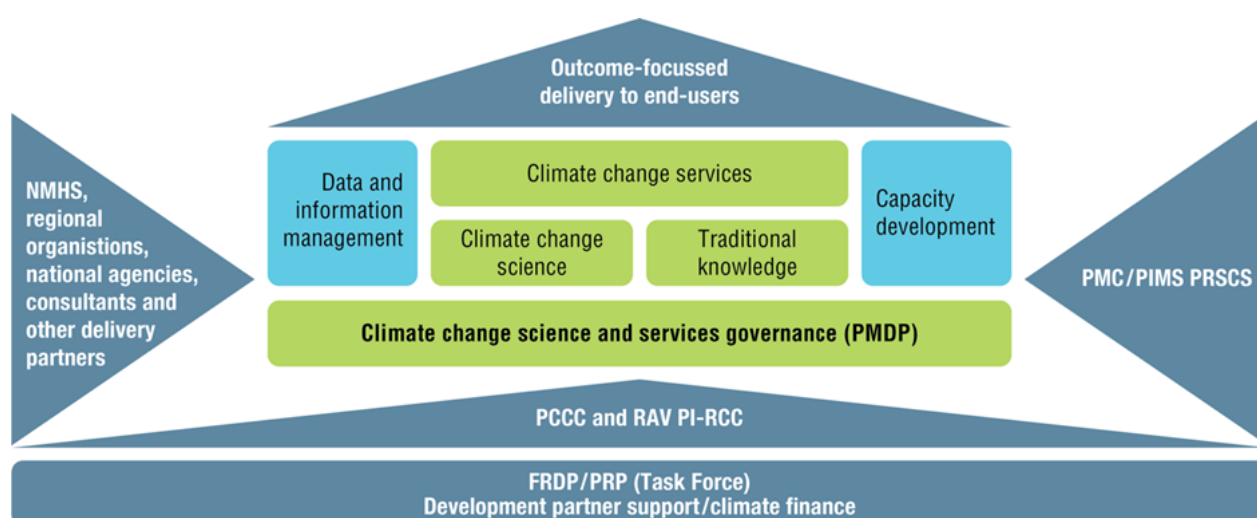
#### Update:

1. Follow up consultation through the NMHSs and other key regional stakeholders was undertaken during 2018/19 to facilitate comments and other feedback prior to updating and finalizing the draft Research Roadmap in early 2019. It was also tentatively agreed during subsequent consultations within the PMC membership that the Pacific Islands Education, Training and Research (PIETR) Panel would be the most appropriate governance forum for oversight of the development and implementation of the Research Roadmap going forward.

2. As previously stated, the aim of the Research Roadmap is to provide strategic guidance for development and implementation of climate change science and services research in the Pacific. The science and services collectively are intended to provide the evidence-based for more informed decision-making relevant to climate adaptation and disaster risk management in the Pacific; thereby to facilitate on-ground impacts and to enhance resilience of Pacific communities to climate change.

The Research Roadmap is based on six pillars (see also schematic summary below for description of the proposed engagement structure and path-to-impact), and has provision for development of a fixed term action plan to prioritise implementation across each pillar:

- Climate change science
- Climate change services
- Traditional knowledge
- Capacity development
- Data and information management
- Governance: oversight and administration



## Recommendations:

The Meeting is invited to:

- ☐ **Note** the development of the draft Pacific Climate Change Science and Services Research Roadmap;
  - ☐ **Recognise** the intended purpose and aim of the Research Roadmap as an adjunct to the FRDP and PIMS in relation specifically to providing strategic guidance to key stakeholders in relation to the development and implementation of Pacific Climate Change Science and Services research;
  - ☐ **Recommend** that the PMC endorse the draft Pacific Climate Change Science and Services Roadmap as final, and
  - ☐ **Request** that the PIETR panel of the PMC take responsibility for overseeing subsequent development and implementation of the Research Roadmap going forward.
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## Attachment

- Draft Pacific Climate Change Science and Services Research Roadmap

29 July 2019

