Agenda Item 18.2

Pacific Regional Training Centre

Ravind Kumar (FMS)

and

Prof. Elisabeth Holland (USP)



Objective

This discussion paper provides information on the progress made on exploring a possibility to establish a WMO Regional Training Centre (RTC).





Background Information

 The members of the PMC 3 requested the Education, Training and Research Panel of the PMC to work with PICTs' NMHSs, USP, SPREP, SPC and other regional organizations, and WMO to address the education and training needs of NMHSs in PICTs with a possibility of establishing a WMO Regional Training Centre (RTC) and to support the development of regional research capacity.





FMS Capability

- Currently Fiji Meteorological Services (FMS) has two staff members devoted to deliver specialised training for FMS and PMC members.
- Given the training demands over the last two years and enhanced FMS capability, FMS has created a Senior Scientific Officer position to deliver science based training.
- As a result, FMS is now in a better position to deliver the needs of a RTC.





FMS Capability

- FMS has been delivering the Basic Observer Training certificate IV level since 1960s and Basic Instruction Package for Meteorological Technician (BIP-MT) training from 2013.
- FMS has also been delivering a variety of regional training programs in collaboration with WMO, JICA, USP, SPREP, SPC, UNDP, NIWA, etc.





FMS Capability

FMS has the capability to deliver the following:

- 1. Package for Meteorological Technicians including Hydrology (BIP-MT)
- 2. Refresher short Courses for Meteorologist
- 3. Competency Assessments for BIP-MT and BIP-M
- 4. Tropical Meteorology and Climatology (in-General)





USP has the following capacity:

- Post-graduate degrees in climate and related science, including PGdip, and research based MSc and PhD degrees.
- TVET qualifications for resilience professionals including climate adaptation, disaster management, and sustainable energy.





USP has the following capacity:

- Tropical Meteorology: a 14 week on-line post graduate course with a strong emphasis on basic coding in Python, an open source software and an orientation to CLIVAR. The course meets BIP-M standards. The course has been offered annually since 2013.
- Climate Science a 14 week long on-line post graduate course with a strong emphasis on quantitative skills, and connecting policy and science. The course has been offered annually since 2013.





- Advanced Physical Oceanography, a 14 week on-line post graduate course with a strong emphasis on basic coding in Python, open source software; exploration and application of remote sensing tools. The course will be offered for the first time in 2018.
- USP offers a variety of undergraduate courses that support quantitative skill development required from BIP-M including climatology and environmental physics.(refer to Annex X course offerings mapped for BiP-M standards.
- Post-graduate and TVET courses in project management, climate finance, and multi-lateral reporting.





- In addition to the afore-mentioned coruses to meeti specific WMO and ICAO needs including the BIP-M standardsPost graduate courses inpProject management and climate finance access training.
- Relevant coursework requested by FMS and Met services.





Recommendations

- 1. Note the contents of the paper; and
- 2. Endorse FMS and USP to continue exploring the possibility of establishment of Pacific RTC, pursue with the President and management Group of RAV in coordination with relevant departments of WMO Secretariat, fast track assessment of the requirements and report to PMC-5.





Agenda 18.3:

Impacts of Climate Change for the Pacific According to the Latest Findings of the IPCC and Future Priorities of the IPCC

Joy Jacqueline Pereira

Vice Chair, Working Group 2

Intergovernmental Panel on Climate Change (IPCC)





Objective

To inform the PMC on the <u>Impacts of Climate</u>

<u>Change in the Pacific</u> according to the latest findings of the IPCC and <u>Future IPCC</u>

<u>Priorities</u> through a presentation at the Ministerial segment, to enhance engagement from the Pacific in the IPCC process.







Achievements: The Assessment Reports

FAR (1990)

SAR (1995)

TAR (2001)

AR4 (2007)

AR5 (2013/2014)

led to

input for

focused attention on

input for

input for

UNFCCC

Kyoto Protocol

Impacts of climate change and need for adaptation

Decision on 2°C limit; basis for post Kyoto Protocol agreement

Paris Agreement







PACIFIC METEOROLOGICAL COUNCIL

Small Islands

IPCC-AR5









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No. of Mentions & References - Chapter 29 IPCC-WG2-AR5

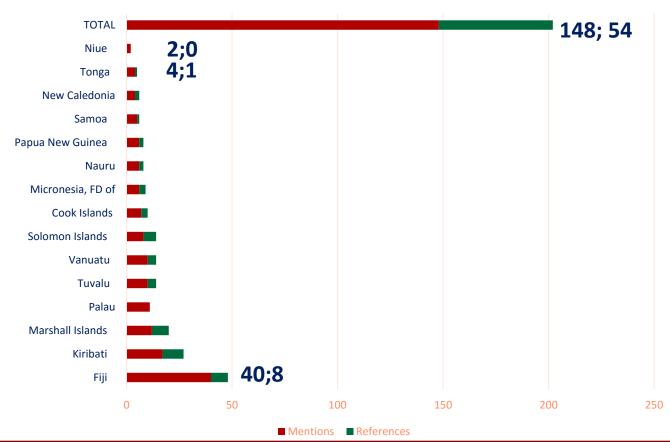


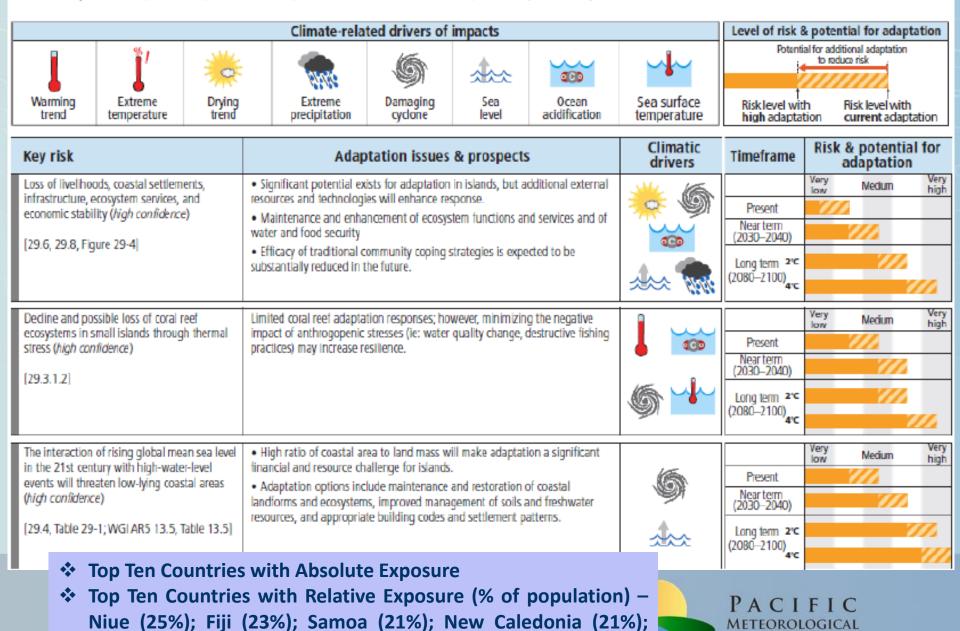






Table 29-4 | Selected key risks and potential for adaptation for small islands from the present day to the long term.

Vanuatu (18%); Tonga (18%); Cook Islands (10%) [Total=7]



COUNCIL

Update

Sixth Assessment Cycle of the IPCC (AR6)

Special Reports



Global Warming of 1.5 °C, an IPCC special report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty

September 2018

UNFCCC Cop 23

Facilitative dialogue



Special Report on the Ocean and Cryosphere in a Changing Climate September 2019



Special Report on Climate Change and Land: an IPCC special report on climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems

September 2019

Methodology Report update



2019 Refinement to the 2006 IPCC Guidelines for National Greenhous Gas Inventories May 2019

AR6 Main Report



Working Group I, II, and III contribution to the Sixth Assessment Report in 2021

Synthesis Report to the Sixth Assessment Report April 2022

UNFCCC global stocktake 2023

Cities



Attention on cities in AR6 including a conference and special report on cities in AR7



How the IPCC produces its reports?







Scoping

Approval of Outline

Nomination of authors

The outline is drafted and developed by experts nominated by governments and observer organizations.

The Panel then approves the outline.

Governments and observer organizations nominate experts as authors.







Government and Expert Review - 2nd Order Draft

Expert Review -1st Order Draft

Selection of authors

The 2nd draft of the report and 1st draft of the SPM is reviewed by governments and experts. Authors prepare a 1st draft which is reviewed by experts. Bureaux select authors







Final draft report and SPM

Government review of final draft SPM

Approval & acceptance of report

Authors prepare final drafts of the report and SPM which are sent to governments. Governments review the final draft SPM in preparation for its approval. Working Group/Panel approves SPMs and accepts reports.

> Publication of report



Getting involved



Contribute to existing literature

IPCC assessments are as good as the literature available. Look out for the various cut off dates for literature for the different reports.

2

As Authors or Review Editors



Bureaux selects Authors and Review Editors from lists of nominations provided by governments and observer organizations. Look out for the calls for nomination of authors and contact your IPCC Focal Point if you are interested in being nominated.

3



As Expert Reviewers

To be involved at the the two review stages; Expert Review of the First Order Draft and Government and Expert Review of the Second Order Draft.







How could the IPCC work better for you?

Work with IPCC Focal Points from your country



Each IPCC Member country has a National Focal Point (NFP) which has been identified by the relevant authorities in the country. You can find their details on the IPCC website: www.ipcc.ch

Become an Observer Organization to the IPCC



Any non-profit body or agency, whether national or international, governmental or intergovernmental may be admitted as an observer organization (subject to acceptance by the Panel). See the "IPCC Policy and Process for Admitting Observer Organizations": www.ipcc.ch

Participate in IPCC Sessions



Participation of Government representatives in IPCC sessions ensures that your country's voice is heard (nomination is by NFP). Representatives of observer organizations may also attend. Contact: ipcc-sec@wmo.int

Organize and Participate in Outreach Events



Outreach events create awareness about the work of the IPCC and its findings and are carefully tailored to the specific regional, national and stakeholders' needs.

Contact: ipcc-media@wmo.int





Recommendations

- Note that during the Sixth Assessment Cycle, the IPCC will produce three Special Reports, a Methodology Report and the Sixth Assessment Report (AR6);
- Note that the IPCC through Fiji Focal has sent an invitation to Government of Fiji to host the First Lead Author meeting for the IPCC Special Report on Oceans and Cryosphere. Upon Fiji's confirmation, the meeting will be held in Nadi, Fiji 2-6 October, 2017.
- **Encourage** participation of PMC National Focal Points or their nominees and Pacific observer organizations in IPCC processes meetings held twice a year.
- **Encourage** the National Focal Points of the IPCC to enhance engagement of their research institutions, universities and key researchers in the IPCC process;
- **Encourage** the nomination of National Focal Points to the IPCC for those countries that do not have one already.
- Encourage participation in the Pacific IPCC outreach event to be held at USP on 7
 October, 2017 and broadcast to the USP regional campuses.
- **Encourage** National Focal Points and Pacific observer organizations to nominate Pacific representatives to serve as CLAs, LAs and REs for the IPCC AR6 cycle before the 2017 deadline (Oct/early November, 2017).

