



# CBCRP-PCCC Training Course

## GENERAL INFORMATION ON

### **“Climate Science – observed climate change and future climate projections”**

**16 – 25 September 2020**

This information pertains to the aforementioned PCCC training, which will be implemented virtually as part of the project for Capacity Building on Climate Resilience in the Pacific at the Pacific Climate Change Centre (CBCRP-PCCC) based on bilateral agreement between the Government of Japan and the Government of the Independent State of Samoa in cooperation with the Secretariat of the Pacific Regional Environment Programme (SPREP).

#### **PCCC:**

The Pacific Climate Change Centre (PCCC) was pledged by the Government of Japan at the Seventh Pacific Islands Leaders Meeting (PALM 7) in 2015 to respond to a number of needs in climate change in the region. With its strategy and business plan, the PCCC will deliver four mutually reinforcing functions: knowledge brokerage; applied research; capacity building through training and learning; and supporting innovation.

#### **CBCRP-PCCC:**

The Project for Capacity Building on Climate Resilience in the Pacific (CBCRP-PCCC) by SPREP, the Government of Samoa and Japan International Cooperation Agency (JICA) aims to support operationalization of the training function of the PCCC as stated in the strategy and business plan for the PCCC. The project will play an important part of the PCCC training and learning function to contribute to the expected outcomes of the business plan.

# ***I. Description of the training course***

## **1. Background**

The Paris Agreement's (PA) main aim is to strengthen global response to the threat of climate change by maintaining global temperatures well below two degree Celsius above pre-industrial levels and to pursue efforts to limit temperature increase to 1.5-degree Celsius. Its implementation commences in 2020, with a number of milestones already agreed, however for some articles details are yet to be completed.

The Intergovernmental Panel on Climate Change (IPCC) reports on 1.5 degree, land, and ocean have been published, and larger risks are expected for many regions and systems. Projected increases in tropical cyclone intensity and precipitation combined with relative sea level rise will exacerbate extreme sea level events and coastal hazards.

Enhanced understanding and capacities of Pacific island countries on climate science including past and current observed climate change and future climate projections are expected to contribute to strengthen the evidence for adaptation planning and implementation of responses in prioritized sectors such as disaster risk reduction, ecosystem, water, health, tourism, transport and agriculture.

## **2. Course Objective:**

The overall goal of the CBCRP-PCCC training courses is to enhance capacities on climate resilience in the Pacific region.

This virtual training course under CBCRP-PCCC aims to:

- Strengthen participants' capability to contribute to the national adaptation planning and the implementation of National Adaptation Plan (NAP) with a particular on climate science;
- Enhance understanding of observed climate change, and future projections of climate and likely impacts; and
- Deliver hands-on training using real-life country examples of observed climate change and future projections.

## **3. Course Period**

The training will comprise of offline self-learning with materials to be shared on 2<sup>nd</sup> September, and three virtual sessions and one virtual groupwork session on 16<sup>th</sup> - 25<sup>th</sup> September (see section I. 8).

#### **4. Target Countries**

The following Pacific Island Countries and Territories (PICTs) will be invited to participate.

Countries\*: Cook Islands, Federated States of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

Territories: American Samoa, Commonwealth of Northern Mariana Islands, French Polynesia, Guam, New Caledonia, Tokelau and Wallis and Futuna.

\* JICA will be able support the cost of the Internet connection only for the countries (see section III. 3)

#### **5. Eligible / Target Participants**

The training targets the officials and practitioners of governments and non-government institutions including private sector who need to use relevant knowledge of climate science for climate change adaptation in the PICTs.

It is recommended that the nomination could include officer/practitioners from the unit working on climate change adaptation in the priority sectors including disaster risk reduction, ecosystem, water, health, tourism, transport and agriculture, as well as representatives of national climate change focal points to enhance coordination and collaboration towards national adaptation planning processes and implementation of the NAPs.

The maximum number of participants per country/territory is five (5).

It is also requested that the nomination is gender balanced where possible.

The participants are required to meet the participation criteria and conditions (see section II. 2).

#### **6. Language to be used in this program:**

English (Note: English-French translation will not be available)

#### **7. Expected Module:**

The module consists of the following components:

##### **1. Demonstrate knowledge of climate science and impact of climate change**

###### **1.1 Basics of climate change**

Basics of climate will be presented to provide an accurate understanding about climate change.

- i. What is weather and climate?
- ii. What is climate change?
- iii. Climate system and the factors affecting climate (drivers)
- iv. Climate variability

## **1.2 Observed climate change (global)**

Observed climate change in the world and their updates based on IPCC reports and WMO information.

## **1.3 Observed climate changes (regional)**

Past and present weather/climate in the region will be presented with a focus on observed climate change. Those may be discussed based on the outcomes of PCCSP/ PACCSAP, their updates and recent findings.

- i. Observed climate change in the Pacific (e.g. outcomes of PCCSP/PACCSAP)
- ii. Uncertainties and knowledge gaps

## **1.4 Impact of climate change on the Pacific region**

Some of the key impacts of changing climate on the sectors such as water, biodiversity, food and natural resource, infrastructure, tourism and health.

## **2. Projections of climate change**

### **2.1 Projected climate change (global)**

Climate projections given in IPCC's AR5 and special reports will be outlined.

### **2.2 Projected climate change (regional)**

Regional- to country-scale projection of climate changes will be presented based on the results from regional climate models and downscaling. Interpretation of those outputs will be discussed.

### **2.3 Future perspective of climate change projection**

On-going works to improve climate projection tools towards less uncertainties and higher resolutions.

## **3. Group Work**

Participants are expected to discuss the impact of climate change on their respective countries and produce a list of impact on relevant sectors.

## **8. Schedule of the training program**

### **(1) Self-learning from 2<sup>nd</sup> / 1<sup>st</sup> September**

The participants are expected to learn by themselves with the materials and Power Point documents with narrations to be sent on 2<sup>nd</sup> September.

### **(2) Virtual session 1 (16<sup>th</sup> /15<sup>th</sup> September, see Table 1)**

The session will explain “**Module 1 Demonstrate knowledge of climate science and impact of climate change**” briefly, provide response and clarification to the questions collected in advance, and facilitate discussion. The participants are expected to send questions on the Module 1 topics to the CBCRP-PCCC Project Team ([cbcpr.pccc@gmail.com](mailto:cbcpr.pccc@gmail.com)) by 11th September.

**(3) Virtual session 2 (22<sup>nd</sup> /21<sup>st</sup> September, see Table1)**

The session will explain “**Module 2 Projections of climate change**” briefly, provide response and clarification to the questions collected in advance, and facilitate discussion. The session will also introduce group works on 23<sup>rd</sup>/22<sup>nd</sup> or 24<sup>th</sup> September.

The participants are expected to send questions on Module 2 topics to the CBCRP-PCCC Project Team ([cbcrp.pccc@gmail.com](mailto:cbcrp.pccc@gmail.com)) by 16th September.

**(4) Group work (23<sup>rd</sup>/22<sup>nd</sup> or 24<sup>th</sup> September, see Table 2)**

Participants in the close time zones will join the small meeting and to discuss the impact of climate change on their respective countries and produce a list of impact on each sector. Experts from the University of Newcastle, Australia, and JICA will also join and facilitate the discussion as needed.

The confirmation of time and date as well as group members will be informed on 2<sup>nd</sup> September.

**(5) Virtual session 3 (25<sup>th</sup> /24<sup>th</sup> September, see Table1)**

This final session will share and discuss the outputs of group work, and conclude the training program.

**(6) Self-assessment by 29<sup>th</sup> /28<sup>th</sup> September**

The self-assessment sheet will be sent to participants on 25<sup>th</sup> September. Participants are expected to fill the sheet and send it back to the Secretariat by 29<sup>th</sup> September (28<sup>th</sup> Sept. for Cook Islands, Niue, American Samoa and French Polynesia). Experts will review the submission. According to the review and results, the Secretariat issue the certification by 2<sup>nd</sup> October.

Table 1: Schedule of the Virtual Training

| Session No.     | Time, Date   | Countries and Territories |
|-----------------|--|---------------------------|
| Self-learning   | 2 <sup>nd</sup> -25 <sup>th</sup> Sept. (UTC+)<br>1 <sup>st</sup> – 24 <sup>th</sup> Sept. (UTC-)  | All                       |
| Session 1       | 9-11am on 16 <sup>th</sup> (UTC+9)<br>14-16pm on 15 <sup>th</sup> (UTC-10)                         | All                       |
| Session 2       | 9-11am on 22 <sup>nd</sup> (UTC+9)<br>14-16pm on 21 <sup>st</sup> (UTC-10)                         | All                       |
| Group Work      | See Table 2  | All                       |
| Session 3       | 9-11am on 25 <sup>th</sup> (UTC+9)<br>14-16pm on 24 <sup>th</sup> (UTC-10)                         | All                       |
| Self-Assessment | 25 <sup>th</sup> -29 <sup>th</sup> Sept. (UTC+)<br>24 <sup>th</sup> -28 <sup>th</sup> Sept. (UTC-) | All                       |

Table 2: Schedule of Group Work Meetings

| Group No. | Time, Date   | Countries and Territories                 |
|-----------|--|---|
| Group 1   | 13-14pm on 23 <sup>rd</sup> (UTC+13)<br>13-14pm on 22 <sup>nd</sup> (UTC-11) | Samoa, Tonga, Tokelau<br>American Samoa   |
| Group 2   | 13-14pm on 23 <sup>rd</sup> (UTC+12)   | Fiji, Kiribati, Tuvalu, Wallis and Futuna |
| Group 3   | 13-14pm on 23 <sup>rd</sup> (UTC+11)<br>14-15pm on 23 <sup>rd</sup> (UTC+12) | Vanuatu<br>Marshall Islands, Nauru        |
| Group 4   | 10-11am on 24 <sup>th</sup> (UTC+11)   | FSM, Solomon Islands, New Caledonia       |
| Group 5   | 9-10am on 24 <sup>th</sup> (UTC+9)<br>10-11am on 24 <sup>th</sup> (UTC+10)   | Palau<br>PNG, Guam, Northern Mariana      |
| Group 6   | 14-15pm on 23 <sup>rd</sup> (UTC-11)<br>15-16pm on 23 <sup>rd</sup> (UTC-10) | Niue<br>Cook Islands, French Polynesia    |

## 9. Certification of Completion

The participants, who attends all sessions and completes all tasks of activities including self-assessment, will receive the certification of completion.

## ***II. Procedures for Nomination***

### 1. Expected role of the Participants:

- (1) This course is designed primarily for national ministries/departments or non-state actors that are involved in climate change adaptation actions. Participants are expected to use the relevant knowledge of climate science provided through the course for their current projects or future activities, and to contribute to the national adaptation planning and the implementation of NAP to enhance climate resilience.
- (2) The project team will follow-up the activities of participants and disseminate their stories through the project newsletters and the PCCC website.
- (3) The Climate Change Focal Points are requested to nominate participants from various units/sectors working in climate change adaptation according to the above expectations.

### 2. Participant Qualifications:

Participants are expected to meet the following qualifications. The participants would not necessarily be employed by the applying organizations, as long as they are selected officially by the organizations for their specific purposes. The participants must be either persons who are engaged in the said field or working in

a field directly related to program subject.

### **(1) Essential Qualifications**

- (a) Current Duties: working on climate change adaptation in prioritized sectors including disaster risk reduction, ecosystem, water, health, tourism, transport and agriculture.
- (b) Computer skills: At least high computer literacy on Microsoft Office Suite.
- (c) Educational Background: Diploma (two years of tertiary education) or equivalent
- (d) Language: have a competent command of spoken and written English.
- (e) Health: must be in good health, both physically and mentally, to participate in the Program
- (f) Age: between the ages of 24 and 40 years
- (g) Must not be serving any form of military service.

### **(2) Recommendable Qualifications**

Gender Consideration: The project team is promoting gender equality. Women are strongly encouraged to participate in the course.

## **3. Required Documents for Nomination**

Please fill out the Nomination Form (Annex 1) and submit to the CBCRP-PCCC Project Team through the Climate Change Focal Points by 26<sup>th</sup> August 2020.

## **4. Conditions for Attendance:**

- (1) not to utilize knowledge and skills acquired in the training for military purposes.
- (2) to strictly adhere to the course schedule.
- (3) not to change the course topics.
- (4) to refrain from engaging in any political activities during the training.

# ***III. Administrative Arrangements***

## **1. Virtual platform**

The virtual sessions will be delivered by Zoom Meetings. The invitation will be sent to all the participants' email addresses at a later date.

## **2. Location in your country/territory**

The CBCRP-PCCC Project Team requests a Climate Change Focal Point or an office designated by the focal point to arrange a central location for the virtual sessions and groupwork as detailed below.

| Date               | Central Location  |
|--------------------|---|
| 3 virtual sessions | Only recommended<br>The sessions will not expect interactions among participants from same country/territory. |
| Groupwork          | Strongly requested.<br>Group work will expect participants to discuss and produce outputs.                    |

### 3. Funding for Internet connection costs

(1) JICA will be able to fund the cost of the Internet connection in each country for the virtual sessions and groupwork meeting on the reimbursement-basis. A reimbursement request has to be made only by a Climate Change Focal Point, and we do not accept any individual requests from participants. Currently, it is expected that at most 11GB will be consumed for the virtual sessions and groupwork meeting per participant.

(2) The process of the funding will be as follows:

- (a) A Climate Change Focal Point submits the application form (Annex 2) to the CBCRP-PCCC Project Team by **7 September 2020** if your government wishes to receive funding.
- (b) After receiving authorization from the CBCRP-PCCC Project Team, a Climate Change Focal Point makes payment to the Internet service provider (ISP) for the required data traffic at the central location (= 11GB x the number of participants from your country/territory)
- (c) A Climate Change Focal Point submits the reimbursement request (Annex 3) and an official receipt from ISP to the CBCRP-PCCC Project Team by **15<sup>th</sup> October**.

### 4. Other costs

JICA will not be able to fund the other costs such as for central locations and morning tea.

### 5. Organizer:

For enquiries and further information, please contact the below.

(1) Name: CBCRP-PCCC Project Team

(2) Email: [cbcrp.pccc@gmail.com](mailto:cbcrp.pccc@gmail.com)

**(3)** Office: c/o P.O. Box 240, Secretariat of the Pacific Regional Environment Programme (SPREP), Apia, Samoa