

Annex:

List of the PCCC Open-Learning Courses:  
objectives, modules and sample schedules

## **1. Climate Change Adaptation and Disaster Risk Reduction through structural approaches**

Climate change adaptation (CCA) and disaster risk reduction (DRR) activities included in policies and plans are expected to reduce wide range of climate vulnerabilities of community, economic sectors and ecosystem.

Among these activities, this training focuses on a combination of improved structural approaches (e.g. building codes, civil engineered structures, retrofitting, sea dike, etc.) for climate change adaptation and disaster risk reduction.

This training program aims to:

- ✓ Strengthen participants' capability to contribute to the national adaptation planning and the implementation of the National Adaptation Plan (NAP), Joint National Action Plans on climate change and disaster risk reduction (DRR) and Climate Change Policies.
- ✓ Enhance understanding of the vulnerability of structures to impacts of climate change, and the expertise of structural approaches as climate change adaptation (CCA) and DRR activities using real-life country examples; and
- ✓ Develop skills to prepare problem tree analysis and logical framework development to contribute to the development of project proposals.

Modules:

Module 1. Understanding of vulnerability of structures

1.1 Climate and non-climate impacts on structures

1.2 Basic knowledge of the vulnerability assessment of structures

Module 2. CCA and DRR activities focusing on structural approaches

2.1 Buildings

2.2 Coastal protection structure

Module 3. Problem and objective trees and logical framework

3.1 Theory of change

3.2 Project objectives

3.3 Exercise

Sample schedule:

Week 1-2:

Module 1: 2.5-hour videos and practice quiz

Module 2: 2-hour videos and practice quiz

Week 3:



Sustainable, transformative and resilient for a Blue Pacific

Module 3: 1-hour videos, 1-hour reading, practice quiz, 1-hour exercise, and 15-minute self-review

Final quiz and course evaluation: 1 hour

## **2. Ecosystem-based Adaptation and Mitigation**

PICTs have implemented pilot projects using ecosystem-based approaches for climate resilience. Maintaining values from ecosystem-based approaches are the key to enhancing effectiveness and sustainability of outcomes of the current and planned projects and initiatives, active engagement and continuous participation of beneficiaries including local stakeholders including communities.

This training program aims to:

- ✓ Enhance understanding of climate risk, vulnerability of ecosystems to impacts of climate change and key issues and considerations to assessment methodologies, design, implement and scale up ecosystem-based approaches for climate resilience; and
- ✓ Develop skills to prepare problem and objective trees and logical frameworks to contribute project development.

Modules:

Module 1. Understanding of climate risk and vulnerability of ecosystems

1.1 Climate and non-climate impacts on ecosystem

1.2 Basic knowledge of the vulnerability assessment of ecosystem

Module 2. Ecosystem-based Adaptation and Mitigation

2.1 Terrestrial and freshwater ecosystems

2.2 Marine and coastal ecosystems

2.3 EbA Implementation: cross-cutting issues and approaches

Module 3. Problem and objective trees and logical framework

3.1 Theory of change

3.2 Project objectives

3.3 Exercise

Sample schedule

Week 1-2:

Module 1: 2-hour videos and practice quiz

Module 2: 2.5-hour videos and practice quiz

Week 3:

Module 3: 1-hour videos, 1-hour reading, practice quiz, 1-hour exercise, and 15-minute self-review

Final quiz and course evaluation: 1 hour

## **3. Enhancing climate resilience and safe water access in rural areas in the Pacific**

Drought and sea level rise are anticipated to severely impact water security in the Pacific, particularly in rural areas and outer islands. In the PICTs, the most vulnerable population are people without or with limited access to safe drinking water. Rural water facilities or systems relying on communities for their operation and management who are not necessarily have technical expertise and enough resources, hence climate change may further increase their vulnerabilities.

This training program aims to:

- ✓ Enhance understanding of assessment of climate risk and vulnerability of rural safe water access.
- ✓ Enhance understanding of adaptation and mitigation options including innovative approaches.
- ✓ Provide examples of cases in the PICs.
- ✓ Develop skills to prepare problem and objective trees and logical frameworks to contribute project development.

Modules:

Module 1. Understanding of climate change risks and vulnerabilities of rural water access

Module 2. Adaptation and mitigation options with innovative approaches

2.1 Technical solutions for safe water access from water source to households

2.2 Community-based management for rural safe water access: Case study in Samoa

2.3 Projects in the Pacific

Module 3. Problem and objective trees and logical framework

3.1 Theory of change

3.2 Project objectives

3.3 Exercise

Sample schedule:

Week 1-2:

Module 1: 2-hour videos and practice quiz

Module 2: 5-hour videos and practice quiz

Week 3:

Module 3: 1-hour videos, 1-hour reading, practice quiz, 1-hour exercise, and 15-minute self-review

Final quiz and course evaluation: 1 hour

#### **4. Enhancing Climate Resilience in Tourism in the Pacific**

The tourism sector is highly vulnerable to external shocks including climate change and most recently COVID-19. The on-going efforts of the tourism' recovery from COVID-19 provide further opportunities to strengthen the sector and could be aligned with its responses to climate change.

This training program aims to:

- ✓ Enhance understanding of risks of climate change impacts on the tourism sector;
- ✓ Enhance understanding of tangible options and actions of the tourism sector to respond to the climate change impacts;
- ✓ Provide examples of good practices, case studies and projects to enhance resilient and low-carbon operation of tourism sector implemented in the Pacific;
- ✓ Develop skills to prepare logical frameworks to support implementation of recovery plan.

Modules:

Module 1. Understanding of risks of climate change impacts on tourism sector

- 1.1 Risks of climate change impacts on tourism
- 1.2 Basic knowledge of business implication of climate change
- 1.3 GHG emissions from the tourism sector

Module 2. Opportunities of the tourism to respond to climate change

- 2.1 Possible options for tourism sector to respond to climate change
  - 2.1.1 Ecosystems-based approaches: coast, ocean, lake, forest and mountain
  - 2.1.2 Resilient and low-carbon infrastructures, facilities and Information management
  - 2.1.3 Business risk management and recovery
- 2.2 Enhancing mainstreaming climate change in the national tourism strategy and plan

Module 3. Problem and objective trees and logical framework

- 3.1 Theory of change
- 3.2 Project objectives
- 3.3 Exercise

Sample schedule:

Week 1-2:

- Module 1: 2.5-hour videos and practice quiz
- Module 2: 3-hour videos and practice quiz

Week 3:

- Module 3: 1-hour videos, 1-hour reading, practice quiz, 1-hour exercise, and 15-minute self-review
- Final quiz and course evaluation: 1 hour

## **5. Health Systems and Climate Change: Enhancing Resilient and Low-carbon Development in the Pacific**

Many climate change policies and strategies of the PICTs have supported adaptation and mitigation activities in the health sector to address the health impacts of climate change, strengthen the climate resilience of healthcare facilities, and identify opportunities to reduce the health sector's environmental impacts.

This training program aims to:

- ✓ Enhance understanding of assessment of climate risk and vulnerability of health systems.
- ✓ Enhance understanding of adaptation and mitigation options focusing on health workforce to effectively prepare and respond to climate sensitive diseases and psychological stress, and climate proof facilities and infrastructures.
- ✓ Strengthen capacity for the formulation, review and implementation of national policies and regulations for climate change mitigation and adaptation in the health sector
- ✓ Provide examples of activities on climate resilient health systems implemented in the Pacific
- ✓ Provide information and tools to identify key health areas that need strengthening to build up climate resilience, and develop a project plan using these areas as a basis.
- ✓ Develop skills to prepare problem and objective trees and logical frameworks to contribute project development.

Modules:

Module 1: Understanding of risks of climate change impacts on human health and health services, and GHG emission from health services

- 1.1 Risks of climate change impacts
- 1.2 Vulnerability and adaptation assessment
- 1.3 GHG emissions from health services

Module 2: Climate adaptation and mitigation options of health systems

- 2.1 Health workforce: surveillance, assessment, risk communication and planning
- 2.2 Facilities and Infrastructures
- 2.3 Policies and regulations

Module 3. Problem and objective trees and logical framework

- 3.1 Theory of change
- 3.2 Project objectives
- 3.3 Exercise

Sample schedule:

Week 1-2:

- Module 1: 5-hour videos and practice quiz
- Module 2: 7.5-hour videos and practice quiz

Week 3:

- Module 3: 1-hour videos, 1-hour reading, practice quiz, 1-hour exercise, and 15-minute self-review
- Final quiz and course evaluation: 1 hour

## **6. Understanding Access to Climate Finance: Project planning and management".**

The Pacific Island Countries (PICs), parties to the UNFCCC, are eligible to access climate finance through multilateral climate change funds such as the GCF in addition to bilateral arrangements or partnerships.

The number of projects being planned and implemented is growing, so as the sectors and stakeholders being engaged in climate actions, in order to respond to critical needs of the PICs, enhance resilience and achieve low carbon development. At the same time, responsibilities, roles and functions required for project development and execution are upon the limited capacity in the PICs, which have become their critical challenges.

This training program focus on practical knowledge and skills of project planning, implementation and management. This training program has the following objectives.

Part 1: Project planning, budgeting and scheduling aims to obtain the fundamental knowledge and skills for project planning, budgeting and schedules.

Part 2: Project execution, monitoring and evaluation aims to enhance capacities of overseeing functions, including schedule and resource management, management of consultants, and monitoring and evaluation (M&E) execution.

Sample schedule:

Week 1-2:

Part 1: 1.5-hour videos, 1-hour reading, and practice quiz

Week 3:

Module 3: 1.5-hour videos and practice quiz

Final quiz and course evaluation: 1 hour