

EVALUATION REPORT

Replication Training



“Building Future Expertise in Climate Change Research for Agricultural Universities and Institutions in Cambodia: Replication Training at Svay Rieng University”

(Project Reference Number: CBA2020-FP12-SOPHEAK)

4th April, 2022

I. Project Background

Building capacity of young talented researchers/lecturers in agricultural education institutions is in need for Cambodia to improve climate change education in agricultural sector. The proposed project aims at contribute to capacity development in climate change research for early-career researchers/lecturers in higher education institutions of Cambodia with the following specific objectives: (i) to build up capacity of early career researcher in 8 universities by TOT, (ii) to mainstreaming current climate change impacts into agricultural curriculum, and develop pilot research proposals under area-based assessment of climate change impacts on agricultural sectors, and, (iii) to contribute the project results to improve understanding and awareness of mainstreaming CC education into risk and vulnerability of community development. The main approach using in this project include training of trainers (ToT), integrated climate change education into existing curriculum/courses, and policy brief recommendation. Under the framework of this project, 32 young talented researchers/lecturers will be directly benefit from the project and the knowledge of 240 students will be approved through replication training. The project is support to APN Fifth Strategic Plan 2020-2024 in strategic goal #2,#3, and align with Cambodia Climate Change Strategic Plan 2014-2023 Goal No.3. Under the framework of the project, the Training of Trainers will be held to build capacity of lecturers/researchers in agricultural universities and institution in Cambodia.

II. Training Objectives

This replication training was organized in each university/institution because:

- To provide the opportunity to trainee who participated in ToT in order to apply their knowledge
- To increase public awareness on climate change for university students

III. Participant and Date

This training was organized on 4th April, 2022 at Svay Rieng University for 30 university students.

IV. Result of Evaluation

As mentioned of the objectives, it is commonly aimed at promoting the capacity building and awareness raising in relation to climate change adaptation and climate change response to selected officials of local line agencies. Therefore, evaluation did two times (during pre-and-at the final course) by using prepared questionnaires.

The knowledge of the participants was evaluated with a pre and post evaluation as well as with individual lessons. The frequency as well as the percentage of the respondents has been change notability in knowledge for pre and post training.

Before the training, the students' knowledge on climate change is poor. For instance, the knowledge on the topic of Introduction to Climate Change is 5% of the total students never know about climate change while 95% another said they know not well about climate change. Not different to other topic, the topic of Cause and Effect of Climate Change, Climate Change Adaptation, and Climate Change Mitigation were reported by students that they know it not well in these topic with 85%, 86%, and 80%, respectively.

Table01: Pre knowledge evaluation by courses

ITEMS	Not at all	Not well	Well	Very well
a) Introduction to Climate Change	5%	95%	0%	0%
b) Cause and Effect of Climate Change	15%	85%	0%	0%
c) Climate Change Adaptation	14%	86%	0%	0%
d) Climate Change Mitigation	20%	80%	0%	0%

At the end of the training, the evaluation was done again to see if the knowledge of students on climate change has changed. As the result, knowledge had changed respectively. For example, for the topic of Introduction to Climate Change, Cause and Effect of Climate Change, Climate Change Adaptation, and Climate Change mitigation, the percentage has been change from “Not at all” and “Not Well” to “Very Well” is 98%, 80%, 85%, 65%, respectively. Therefore, knowledge of students has been increasing after replication training.

Table02: Post knowledge evaluation by courses

ITEMS	Not at all	Not well	Well	Very well
a) Introduction to Climate Change	0%	0%	2%	98%
b) Cause and Effect of Climate Change	0%	0%	20%	80%
c) Climate Change Adaptation	0%	0%	25%	85%
d) Climate Change Mitigation	0%	0%	35%	65%

Appendix01: Training Agenda

Replication Training on **Building Future Expertise in Climate Change Research for Agricultural Universities and Institutions in Cambodia**

Venue: Svay Rieng University
4th April, 2022

Time/Session	Activities	Responsible Person(s)
07:30 – 09:00	<i>Registration</i>	Staff & Participants
09:00 – 09:30	Opening Ceremony <ul style="list-style-type: none">• Welcome Remarks	MC: ToT trainee Mr. Thav Sopheak
09:30-09:45	Introduction to Workshop Objectives and Structure	Mr. Thav Sopheak
09:45-10:15	<i>Coffee Break</i>	All participants
10:15-10:45	Introduction to Climate Change	ToT trainee
10:45-11:00	<i>Question and Answers</i>	All participants
11:00-11:45	Cause and Effect of Climate Change	ToT trainee
11:45-12:00	<i>Question and Answers</i>	All participants
12:00-13:30	<i>Lunch Break</i>	All participants
13:30-15:25	Climate Change Mitigation	ToT trainee
15:25-15:40	<i>Coffee Break</i>	All participants
15:40-16:20	Climate Change Mitigation	ToT trainee
16:20-16:35	<i>Question and Answers</i>	All participants
16:35-17:00	Closing Remark	Mr. Thav Sopheak

Appendix02: Picture during Replication Training







២. ប្រភេទក្លិមតិសន្ទេមនៃបំរែបំរួលអាកាសធាតុ

- ឆ្នាំ១៩៨៨ អ្នកស្រាវជ្រាវអាល្លឺម៉ង់ Gilbert Plass បានករឃើញថា ការកើនឡើងខ្ពស់នៃកម្រិតអុកស៊ីតនិងធ្វើឲ្យមានការកើនឡើងសីតុណ្ហភាពពី ៣ ទៅ ៤ អង្សាសេ
- ឆ្នាំ ១៩៨៧ អ្នកសាមញ្ញ Roger Revelle និង គីមីវិទូ Hans Suess ផុតជាអ្នកអាល្លឺម៉ង់ បានបង្ហាញថាទឹកសមុទ្រ និងមិនអាចស្រូបយក CO₂ ដែលតាយបន្ថែមទៅក្នុងបរិយាកាសវិជ្ជមាននោះទេ