문서번호 APCC-출장-17-0802(2017-07-17)

결재	사원	부서장	원장	
	07/13 Christianne Aikins	07/14 문상원	07/17 정홍상	
협조	선임연구원			
	07/13 전종안			

TRAVEL REPORT FORM
출장보고서

I. **Reporter** 보고자

Department 소속	Position 직위(직급)	Name 성명	Travel Date 날짜	Note 비고
Climate Application Team. Climate Application Department	Research Fellow	Dr. Jong Ahn Chun	2017/05/16~26	
Climate Application Team. Climate Application Department	Research Fellow	Dr. Daeha Kim	2017/05/16~22	Dr. Kim travelled to Vientiane for unrelated APCC ASEAN project work 05/22~25
External Affaris Department	Staff	Ms. Christianne Aikins	2017/05/16~26	

II. **Major Activities** 주요업무 수행내용

1. Main Contents and Activities 주요내용 및 활동
   1. ARMS Kickoff workshop (17 May)
   2. Climate Farmer Field School Training of Trainers (18-19 May)
   3. Climate Farmer Field School in two villages: Phonyanang Village (20-21 May) and Houmeug Village (24-25 May)

2. Relevance to APEC Climate Center's Activities 결론 및 소감

- The project, Agriculture Risk Management Support (ARMS) for Rain-fed Rice in Lao PDR has begun this year in partnership with the International Research Institute IRI and the National Agriculture and Forestry Research Institute (NAFRI), collaborating with the Ministry of Agriculture and Forestry.
- The purpose of this project is to reduce climactic risk in Lao PDR by integrating historical weather data and climate forecasts with locally-calibrated agricultural models to provide tailored information that produces an agro-climate advisory.
- NAFRI produces and maintains this agro-climate advisory, as well as delivers trainings to farmers on key concepts in applying climate-smart farming approaches and utilizing the agro-climate advisory.
- As the project is in its initial stages, the agricultural models have not yet been developed. This travel was essential for the official launch of this project, delivering the training key trainers of the Farmer Field School, as well as

supporting the subsequent training in two villages.
- Key information of target users for the mobile phone application development was collected for ARMS activities in 2018
- Please see Travel Report and Workshop Report attached for more details.

III. References 참고사항

(with attachment of any information or report in case of attendance of conferences, workshops and meetings) 학술대회, 워크숍, 회의 등 참석 시 관련 정보 및 문서 첨부

1. Presented and Collected Materials 주요 수집자료

2. Suggestions and Remarks 건의사항

Travel Report

ARMS Project
Vientiane and Savannakhet, Lao PDR
16-27 May

2017.06.22. PREPARED BY CHRISTIANNE AIKINS @ EXTERNAL AFFAIRS DEPARTMENT

1 Summary

1.1 Personnel

- Dr. Jong Ahn Chun (Research Fellow, Climate Application Team, Climate Application Department)
- Dr. Daeha Kim (Research Fellow, Climate Application Team, Climate Application Department)
- Ms. Christianne Miko Aikins (International Project Officer, External Affairs Department)

1.2 Details

Location: Vientiane and Savannakhet, Lao PDR
Dates: 16 (Tue) – 27 (Sat) May, 2017
Project: Agriculture Risk Management Support for Rain-fed Rice in Lao PDR (ARMS)
Key Partners: International Research Institute for Climate and Society, National Agriculture and Forestry Research Institute (NAFRI), Provincial Agriculture and Forestry Offices (PAFO), and District Agriculture and Forestry Offices (DAFO)

Events:

1. ARMS Kickoff Workshop [Wed 17, May 2017]
2. NAFRI Climate Farmer Field School Training of Trainers [Thu 18 – Fri 19, May]
3. NAFRI Climate Farmer Field School Workshop
    a. Phonyanang Village [Sat 20 – Sun 21, May]
    b. Houmeug Village [Wed 24 – Thu 25, May]

Locations:

1. NAFRI Headquarters, Vientiane
2. Agricultural Land Management Section Office, Savannakhet City, Savannakhet Province
3. Savannakhet Province
    a. Phonyanang Village Hall
    b. Houmeug Village Hall

Please note that all details are given in the attached Workshop Report.

1.3 Itinerary

Day	Event	Details	Hotel
Tues 16 May, 2017		PM: APCC Arrival in Vientiane	*Vientiane* S Park Design Hotel
Wed 17 May, 2017	1: Kickoff	*Vientiane* AM: Kickoff PM: Travel to Savannakhet	*Savannakhet* Avalon Residence
Thu 18 May, 2017	2: NAFRI Climate Farmer Field School	*Savannakhet* AM: Training of Trainers	*Savannakhet* Avalon Residence

	Training of Trainers	Lunch PM: Training of Trainers	
Fri 19 May, 2017		*Savannakhet* AM: Training of Trainers Lunch PM: Training of Trainers	*Savannakhet* Avalon Residence
Sat 20 May, 2017	3a: NAFRI Climate Farmer Field School Training of Farmers	*Phonyanang* AM: Training of Farmers Lunch PM: Training of Farmers	*Savannakhet* Avalon Residence
Sun 21 May, 2017		*Phonyanang* AM: Training of Farmers Lunch PM: Training of Farmers Dr. Kim traveled back to Vientiane for ASEAN ROK Project	*Savannakhet* Avalon Residence
Mon 22 May, 2017	Meetings	*Savannakhet* Discussion of ARMS project mobile app, planning for implementation of final event, and visit to water-efficient model vegetable plot	*Savannakhet* Avalon Residence
Tues 23 May, 2017	Visiting Climate Farmer Field School	*Phailom* International Rice Research Institute Climate Farmer Field School on Rice Seed Varieties	*Savannakhet* Avalon Residence
Wed 24 May, 2017	3b: NAFRI Climate Farmer Field School Training of Farmers	*Houmeug* AM: Training of Farmers Lunch PM: Training of Farmers	*Savannakhet* Avalon Residence
Thu 25 May, 2017		*Houmeug* AM: Training of Farmers Lunch PM: Training of Farmers	*Savannakhet* Avalon Residence
Fri 26 May, 2017		NAFRI Team travels back to Vientiane Dr. Chun and Ms. Aikins traveled back to Busan - Savannakhet to Bangkok (AM 26 May) - Bangkok to Busan (AM 27 May)	*Bangkok* Vismaya Suvarnabhumi

1.4 Accommodation

- Vientiane: S Park Design Hotel (1 night: 16 May)
- Savannakhet: Avalon Residence (9 nights: 17-25 May)
- Bangkok: Vismaya Suvarnabhumi (1 night: 26 May)

2 Travel Purpose

2.1 Rational

Background

- The project, Agriculture Risk Management Support (ARMS) for Rain-fed Rice in Lao PDR has begun this year in partnership with the International Research Institute IRI and the National Agriculture and Forestry Research Institute (NAFRI), collaborating with the Ministry of Agriculture and Forestry.
- The purpose of this project is to reduce climactic risk in Lao PDR by integrating historical weather data and climate forecasts with locally-calibrated agricultural models to provide tailored information that produces an agro-climate advisory.
- NAFRI produces and maintains this agro-climate advisory, as well as delivers trainings to farmers on key concepts in applying climate-smart farming approaches and utilizing the agro-climate advisory.
- As the project is in its initial stages, the agricultural models have not yet been developed. This travel was essential as it enabled the official launch of this project, delivered the training of key trainers of the ARMS Climate Field School, as well as supporting the subsequent training in two villages.
- As targeted beneficiaries of year two activities of ARMS, including the mobile phone app development, these events proved extremely valuable in ensuring the final output match user needs.
- Dr. Jong Ahn Chun is the PI of this project, with Dr. Daeha Kim acting as the co-supporting scientist, and Ms. Christianne Aikins as the PM.

1. Kickoff (17 Wed May)

A kick-off ceremony was held on the morning of Wednesday May 17 at the NAFRI complex in Savannakhet. The kick-off ceremony was attended by important representatives from the Ministry of Agriculture and Forestry (MAF is the parent organization of NAFRI, as well as the Department of Agriculture). A presentation on APCC and ARMS was given to key government officials. The development of an LOA was requested by NAFRI.

2. Training of Trainers (19 Thu – 20 Fri May)

In preparation for the Training of Farmers on key agricultural techniques to improve climate resilience, including the use of the agro-climate advisory, a training of these trainers was held in Savannakhet City in Savannakhet Province.

3. Climate Training of Farmers (22 Mon – 25 Thu May)

Two trainings were held in immediate succession for farmers in the villages of Phonyanang (20-21 May) and Houmeug (24-25 May) in Savannakhet Province to enhance the farmer's understanding of climate risk management and climate information. Both villages are nearby Savannakhet City, and thus APCC and NAFRI staff were able to remain based in Savannakhet for these trainings.

2.2 Outcomes

- Official launch of ARMS
- Increased visibility for ARMS and APCC
- Raised local government awareness on the impact of climate variability and climate change on agriculture production
- Enhanced capacity of local government to deliver key trainings on this subject to prepare them for collaboration on the mobile app development and implementation
- Increased visibility of APCC and ARMS
- Gathered information on best practices and challenges encountered in the local setting for communicating climate information effectively

- Improved farmers' understanding of climate risk management and how they could use climate information in taking appropriate management decisions on crops, soil and water in relation to seasonal climate variability.
- Rural farmers in the village received hands-on training in their fields on appropriate climate risk management practices such as how to measure daily rainfall, rainfall visualize, soil and water management techniques, know how to use seasonal climate advisory and a dynamic cropping calendar.
- Gathered information on best practices and challenges encountered in the local setting for communicating this effectively

Please see full details of the training, discussions with partners, and other aspects in the attached Workshop Report.