

Narrative Report for: Chiang Mai University
An Action Research on PODD Expansion into Global Communities
Interim Report No.3., 48 pages

Date: 3 April 2023	Prepared by: Chiang Mai University
Total grant term: 1/Nov/2021-30/Oct/2023	Reporting period: 1/Nov/2022–30/April/2023
Total grant size: £1,300,000	Funds received to date: £1,290,000
Key organizational contact(s): Chiang Mai University	

The purpose of this report is to provide The Trinity Challenge and its post-award monitoring and support partner, Jhpiego, with a written record of updates, results to date, and challenges faced since the last report. Please use this opportunity to:

- a. provide a candid assessment of how the project is progressing, including successes as well as challenges encountered thus far
- b. explain any proposed revisions in the project’s objectives or key milestones
- c. update any contact or administrative information

1. Please describe any key highlights or accomplishments during the reporting period (attach 1-2 stories/photos if possible; link to any relevant communications materials/press releases):

1. Reach Out Thailand

1. Conducting a seminars series for training the PODD Utilizing a health surveillance system in Thailand for year 2 project, a total of 7 training batches, and 5 batches have been already implemented. There were participants; 1st Batch: 230 participants from 90 LGs, 2nd Batch: 80 participants from 29 LGs, 3rd Batch: 70 participants from 27 LGs, 4th Batch: 130 participants from 35 LGs, and 5th Batch: 110 participants from 24 LGs.
2. Number of LGs that utilize PODD health surveillance system is increasing continually.

2. Reach Out Global

1. Lao PDR has agreed to participate in PODD Global Health Project in Laos. The project area will cover 250 villages within 5 cities in Laos.
2. Prof. May O. Lwin and colleagues from Nanyang Technological University (NTU), Singapore had visited PODD office on 6-7 December 2022 and discussed on the cooperation between PODD application and MOBUZZ application. The kick off online meeting was held on 8 February 2023 following by several meetings aims to enhance PODD application with Mobuzz application.
3. Online pre-training workshop for DLF staffs on 10 February 2023. The pre-training aimed to make understanding on digital platform and workflow of PODD application.
4. Training of the trainers “Early detection and rapid response to stop epizootic and pandemic using community-owned surveillance system: Participatory One Health Disease Detection

application (PODD)” for DLF staffs on 15-17 March 2023 at Duang Tawan Hotel, Chiang Mai, Thailand.

5. Presentation of PODD surveillance system as surveillance technology in the workshop “Animal Disease Surveillance and Outbreak Investigation of African Swine Fever” during 13-17 March 2023 organized by DLD-Thailand. The training was support by Thailand International Cooperation Agency (TICA) and aimed to strengthen the ability to conduct the surveillance and outbreak investigation to prevent and control African Swine Fever in Lao PDR and Thailand at the border area.
6. Follow up on participation of Cambodia in the Global Health Project through DLD official contact.

3. Awards & Significant Progress

3.1 PODD Centre and Huai Sai Subdistrict Administrative Organization (SAO), Mae Rim District, Chiang Mai Province received “**The Prime Minister’s Digital Award 2022**” for **Digital Community of the Year** from providing a long-term care system for the elderly in the community with PODD toolkits under the Digital Infinity Project concept.

2. Please complete the table below:

Planned activities and outputs during the reporting period	Actual activities and outputs during the reporting period
A. PODD Toolkit Production	
<p>Activities A.1 A PODD Toolkit’s software suite:</p> <p>Outputs & Indicators</p> <ul style="list-style-type: none"> ▪ A PODD Toolkit base-reporting system ▪ A PODD Toolkit application for iOS and Android ▪ A PODD Toolkit e-learning system ▪ A PODD Simulation system 	<p>Activities:</p> <ul style="list-style-type: none"> ▪ Developed Toolkit backend systems ▪ Developed Toolkit outbreak management software for government ▪ Developed Toolkit mobile apps ▪ Translated Toolkit software into Thai, Lao, and Khmer ▪ Designed Toolkit UI ▪ Created User Guide for Toolkit ▪ Created Technical Guide for Toolkit ▪ Configured Toolkit system for Laos PDR global health pilot ▪ Trained Laos Department of Livestock and Fisheries officials on Toolkit software <p><u>Outputs & Indicators/Results:</u></p> <ul style="list-style-type: none"> ▪ Released Toolkit mobile apps on Google Play and Apple App stores ▪ Implemented Toolkit software including outbreak management system and mobile apps for Laos PDR global health pilot ▪ Release User Guide and Technical Guide for Toolkit

<p>B. PODD Toolkit Implementation</p>	
<p>Activities: B.1 Expanding PODD communities in Thailand</p> <p>Outputs & Indicators M1-24 a. Establishing PODD for animal health surveillance in 60 LGs. b. expanding 29 PODD human health surveillance models to their neighboring LGs c. Strengthen other 30 PODD LGs in utilization of data & analytics in detect and respond to disease outbreaks</p>	<p>Activities M 13-18:</p> <ul style="list-style-type: none"> ▪ Conducted 3 trainings for PODD toolkit utilizing at PODD Centre <p>Output:</p> <ul style="list-style-type: none"> ▪ There were 23 participants from 9 LGs ▪ There were participating 280 LGs for animal health surveillance system ▪ There were expanding of PODD toolkit system into 47 network LGs <p>Indicator: The entire participating 280 LGs are able to utilization of data & analytics in detect and respond to disease outbreaks from PODD toolkit system at 100%</p>
<p>Outputs The Number of PODD volunteers have been increased and incidents are reported consistently.</p> <p>Indicators</p> <ul style="list-style-type: none"> ▪ The Number of volunteers has been expanded at least 70% of model LG ▪ The Number of expanding LG volunteers has increased at 50% ▪ At least 20 incident reports per month ▪ Village volunteers remain in the PODD system and realize the benefit of the system at 75% 	<p>Activities:</p> <ul style="list-style-type: none"> ▪ Conducted 5 batches of year 2 seminars series for training the PODD Utilizing a health surveillance system ▪ <u>1st Batch:</u> 23-24 February, 2023, Chiang Mai Province (Northern region) ▪ <u>2nd Batch:</u> 9-10 March, 2023, Nakhonphanom Province (North Eastern region) ▪ <u>3rd Batch:</u> 13-14 March, 2023, Ubon Ratchathani Province (North Eastern region) ▪ <u>4th Batch:</u> 23-24 March, 2023, Krabi Province (Southern region) ▪ <u>5th Batch:</u> 30-31 March, 2023, Trad Province (Northeastern region) <p>Output:</p> <ul style="list-style-type: none"> ▪ The Number of PODD volunteers have been increased and incidents are reported consistently. <p>Indicator:</p> <ul style="list-style-type: none"> ▪ The participating LG assessed the training events at a level of ‘good-excellent’, more than 80%, and local authorities were interested in using the system. ▪ There were 620 participants from 205 participating LGs ▪ There were more than 3,000 incident reports per month ▪ There were 47 PODD Network LGs

	<ul style="list-style-type: none"> ▪ There were more than 2,200 PODD volunteers
<p>Outputs Automated health surveillance system reports the results of each LG accurately</p> <p>Indicators</p> <ul style="list-style-type: none"> ▪ Monthly reports used and reviewed regularly ▪ A real-time release system of key results to the public ▪ PODD system admins at project local authorities share a feeling of the system’s ownership and value of automated reports at 80% 	<p>Activities: Brainstorming with LG authorities and Data analytic specialists to design the automated health surveillance system</p> <p>Output:</p> <ul style="list-style-type: none"> ▪ Automated health surveillance system reports the results of each LG accurately ▪ A customized PODD prototype according to LGs’ needs <p>Indicator:</p> <ul style="list-style-type: none"> ▪ There were 101 animal health reports, 2,953 human health reports, and 21,913 general health report ▪ There were 258 LGs using PODD toolkit. ▪ 280 LGs used PODD toolkit monthly reports to review and plan for the next month's work ▪ Participating LGs presented their works from using the PODD toolkit system to contests and 1 LG won the national award. ▪ Appointed trainers to establish knowledge and understanding about PODD toolkit system to LGs and be speaker of PODD training centre; <ul style="list-style-type: none"> ○ Admin Trainers ○ Management Trainers, 9 trainers were appointed ○ Operating Trainers, 6 trainers were appointed ○ Outstanding incident reporter Trainers
<p>Activities At least 30 communities or Local Governments which has the PODD database for data analysis and utilization, continuously</p>	<p>Activities: Develop the capacity of POO toolkit system admin</p> <p>Output: 40 LGs has the PODD database for data analysis and utilization, continuously.</p> <p>Indicator: 40 LGs utilize PODD database for data analysis and plan for rapid response in order to work fast and in the best interest of the people</p>

<p>Activities The PODD Public data sharing system for pandemic prevention.</p>	<p>Activities: Public relations for the epidemic to the LG authorities.</p> <p>Output: 1 Notification of the epidemic of dead animal, dengue and Lumpyskin fever</p> <p>Indicator: LG authorities are able to utilize information from PODD toolkit system to plan for controlling and preventing the epidemic in the communities</p>
<p>Activity: B.2 Implementing PODD Pilot Projects in neighboring countries</p> <p>Outputs & Indicators</p> <ul style="list-style-type: none"> ▪ At least 70 -100 surveillance communities (sub-district level) in 2 countries (preferably Laos, Cambodia, and a few specific area borders to Myanmar) ▪ Report on PODD surveillance performance in the countries ▪ 2 national PODD outbreaks information sharing systems 	<p>Activity 1: The 3rd Tripartite meeting with Laos on 7 December 2022, online meeting</p> <p>Outputs</p> <ul style="list-style-type: none"> ▪ The DLF had set up the official working group for the PODD Global Health Project in Laos. ▪ The three parties had discussed the implementation of PODD system in Laos. ▪ The study areas in Laos PDR have been identified. In total 250 villages will be included in this project. ▪ The draft MOA between DLD-DLF-CMU has been distributed to all parties to meet final agreement. ▪ Discussion and preparation on the training of trainer workshop for DLF staffs. <p>Activity 2: The 4th Tripartite meeting with Laos on 12 January 2023, online meeting</p> <p>Outputs</p> <ul style="list-style-type: none"> ▪ The three parties had discussed and reviewed the revised MOA. ▪ Discussion on the target participants who will attend the training of trainer workshop for DLF staffs. ▪ The date for the training of trainer workshop has been identified. <p>Activity 3: The Pre-training workshop on PODD application workflows for DLF staffs</p> <p>Outputs:</p> <ul style="list-style-type: none"> ▪ Online pre-training workshop for DLF staffs for understanding of PODD application, dashboard and workflow.

	<ul style="list-style-type: none"> ▪ Participants agree to translate technical term into Laos language. ▪ Follow up the MOA <p>Activity 4: The 3rd DLD-CMU working group meeting on 10 August 2022, online meeting</p> <p>Outputs:</p> <ul style="list-style-type: none"> ▪ Follow up response of Cambodia for participate in the Global Health Project. ▪ DLD sent the official letter to Cambodia asking for confirmation of participation within 31 March 2023 ▪ CMU and DLD agree to reach out Myanmar if Cambodia deny to participate in the project. <p>Activity 5: Training of the trainers “Early detection and rapid response to stop epizootic and pandemic using community-owned surveillance system: Participatory One Health Disease Detection application (PODD)” for DLF staffs on 15-17 March 2023 at Duang Tawan Hotel, Chiang Mai, Thailand</p> <p>Outputs:</p> <ul style="list-style-type: none"> ▪ 10 DLF officers participated in the training ▪ Participants have brainstormed and designed information system, timeline and workplan for implement PODD application in Laos. ▪ Participants had site visited to local government and learn how PODD system was used in Thailand. <p>Indicator: Agreement on MOU between Lao, DLD and CMU (signing date is on process)</p>
<p>Activities B.3 Expanding PODD system in other countries that are interested to adopt the PODD system in its country</p> <p>Outputs & Indicators</p> <ul style="list-style-type: none"> - Besides providing an international PODD system Lao and Cambodian version, English version will be developed 	<p>Activities:</p> <ul style="list-style-type: none"> ▪ Expanding PODD toolkit system to other countries <p>Outputs & Indicators PODD toolkit system is developed in 2 counties; Singapore and Myanmar</p> <p>Indicators</p> <ol style="list-style-type: none"> 1. PODD Centre collaborated with Nanyang Technological University in Singapore to apply

<ul style="list-style-type: none"> - International dialogue or promotion of PODD utilization; via FAVA, OIE, and WHO - Tool kits, server cost support in maximum 3 countries 	<p>some functions of MoBuzz Application that used to monitor Dengue to work support the PODD toolkit system more effectively. The signing agreement is in process.</p> <p>2. POOD Toolkit system implementation in Myanmar is in process of coordinating with DLD Thailand</p>
<p>Activities C. Project Evaluation</p> <p>Outputs & Indicators PODD toolkit social impact assessment</p>	<p>Activities:</p> <ul style="list-style-type: none"> ▪ CMU Faculty of Business Administration has started the project as follows; <ul style="list-style-type: none"> ○ Define scope and method of assessment ○ Define assessment issues ○ Define plans to support operations in case of epidemic ○ The establishment of a tool to evaluate achievements from utilizing PODD toolkit system in the process of developing outcome mapping <p>Outputs</p> <ul style="list-style-type: none"> ▪ Inception report

3. Overall progress towards objectives/ key milestones/ outcomes:

Stated objectives/ key milestones/ outcomes	Progress to date
I. Support other countries through PODD Toolkits	
<p>To promote the overseas expansion of PODD community-based animal disease surveillance system to timely detect and stop animal disease outbreaks so that potential pandemics from spill-over emerging pathogens can be averted. Cambodia, Laos PDR, and a few subdistricts in the border area of Myanmar are priority countries for the collaboration</p>	<p>Laos has agreed piloting the customized PODD digital system for community-based animal health surveillance in 5 parallel provinces, 10 districts, 250 villages of Lao PDR; Vientiane Capital (Hadxayfong, Paknguem), Bolixamxay (Pakxan, Thaphabad), Khammuan (Thakhek, Nongbok), Savannakhet (Kaisonephomvihanh, Songkhone), Champasack (Phonethong, Sanasomboun), in total 250 villages.</p> <p>DLF staffs from Laos have attend online pre-training workshop and onsite Training workshop for trainer. In the online workshop participants have learned about digital system of PODD, dashboard and workflow. In the onsite workshop, participant have brainstorming, designing</p>

	<p>information system that suitable to Laos context, timeline and workplan for implement PODD application in Laos.</p> <p>For Cambodia, the DLD, Thailand has sent the official letter to Cambodia government to follow up the confirmation to participate in the Global Health Project.</p>
<p>II. Sustainable expansion in Thailand</p>	
<p>To be one health surveillance system with automatic digital technology. It identifies and analyzes the community data, that has been reported, to prevent and mitigate the One health threat</p>	<p>1) Summary Number of LGs and Participants from 5 Batches of Seminars and Trainings; 1.1 Total number of 205 participating LGs 1.2 Total number of 620 participants 1.3 Total number of 53 participating provinces 2) A PODD prototype of Local Governments has been developed 3) A Number of LGs/ communities that sustainably use the PODD system to prevent animal disease outbreak are increased at 83 LGs . 4) A Number of LGs/ communities that sustainably use the PODD system to prevent human disease outbreak are increased at 150 LGs. 5) A number of LGs/ communities that sustainably use the PODD system to prevent environment problem, and encourage them on using data and analytics to cope with public health threats are increased at 310 LGs. 6) A first automated health surveillance system has been developed according to LGs’ needs that providing LGs a monthly report accurately and able to review regularly with a real-time release system of key results to the public, including the PODD Public data sharing system for pandemic prevention. 7) LG’s Learning Centers have been created and distributed in all regions of Thailand as trainers to support the PODD utilizing by LGs in local areas with trend to be increased more and more; 46 PODD LG networks, 27 PODD MOU LGs, and 13 LGs with PODD toolkit installations</p>

III. Creating a PODD Toolkit

- | | |
|--|---|
| <ul style="list-style-type: none">▪ Opendream has been actively developing a “Toolkit” which packages the PODD approach into a format that can be deployed by other countries. The One Health Toolkit is a foundation for launching participatory disease surveillance at the community level. | <ul style="list-style-type: none">▪ Progress: Opendream is implementing the first international expansion of the PODD system using the One Health Toolkit developed with TTC funding in Laos PDR. The following activities have been completed:<ul style="list-style-type: none">▪ Developed Toolkit backend systems▪ Developed Toolkit outbreak management software for government▪ Developed Toolkit mobile apps▪ Released Toolkit mobile apps on Google Play and Apple App stores▪ Translated Toolkit software into Thai, Lao, and Khmer<ul style="list-style-type: none">▪ Designed Toolkit UI▪ Created User Guide for Toolkit▪ Created Technical Guide for Toolkit▪ Configured Toolkit system for Laos PDR global health pilot▪ Trained Laos Department of Livestock and Fisheries officials on Toolkit software▪ Implemented Toolkit software including outbreak management system and mobile apps for Laos PDR global health pilot▪ Waiting on Laos PDR government to sign MOU and approve CMU subsidizing pilot with TTC funds. |
|--|---|

4. Please describe any challenges, delays or adjustments during the reporting period (attach revised workplan if appropriate):

For the implementation of PODD system in Laos, we have some delays on the MOA signing, due to the countries official process. During waiting for the signing process, tripartite committee agreed to prepare for the implementation of PODD system in Laos by conducting pre-online training workshop and onsite training for trainer workshop. The working process for implementation has been designed. DLF staffs have been trained to be a trainer and some were trained for working as super admin for taking care of the PODD technical part. Presently, the MOA is in the process of Ministry of Foreign Affair of both countries. During this period, the DLF staff is communicating with 5 provinces and appoint local staffs and local volunteers. As soon as the MOA process finish, the implementation process in Laos will start according to the plan agree during onsite workshop.

For Cambodia, we have discussed with DLD to follow up on the participation of Cambodia.

5. Please report any incidents (e.g., safeguarding, fraud, data protection breaches) if applicable:

N/A

6. Please list current support needs

N/A

7. Please list any new grant/investment funds raised (source, type, value)

N/A

AWARDEE EXPENDITURE STATEMENT

Organization Chiang Mai University
Reporting Period 1/11/2022 to 03/31/2023
Date Submitted April 3, 2023

Total Amount of Award in GBP 1,300,000
Duration of Award 2 years
Obligated Amount 1,300,000

Cost Element	Budget	Previous Expenditures reported through [10/31/2022]	Current Expenditures for reporting period [11/01/2022] to [03/31/2023]	Cumulative Expenditures to reported through [03/31/2023]	Balance of Budget Remaining
1. PERSONNEL	216,682.00	80,357.00	41,990.00	122,347.00	94,335.00
2. FRINGE					-
3. TRAVEL					-
4. EQUIPMENT	5,682.00		2,780.00	2,780.00	2,902.00
5. MATERIALS AND SUPPLIES	23,273.00	6,833.00	3,213.00	10,046.00	13,227.00
6. CONTRACTUAL					
7. OTHER DIRECT COSTS					
A. OTHER OFFICE COSTS					-
B. ACTIVITY COSTS	488,454.00	158,287.00	101,600.88	259,887.88	228,566.12
SUBTOTAL - DIRECT COSTS	734,091.00	245,477.00	149,583.88	395,060.88	339,030.12
INDIRECT COSTS					
Total Budget of Chiang Mai University	724,091.00	246,317	149,584	395,061	339,030
Total Budget of Opendream	565,909.00	325,000	*PENDING*	325,000.00	240,909.00
TOTAL	1,290,000.00	571,317.00	149,583.88	720,060.88	579,939.12

***Remark:** The budget of GBP 204,909 is pending to transfer to Opendream according to subcontract term of payment that are currently on process of work acceptance.

APPENDIX

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Thailand Project Updates

Prime Minister's Digital Awards 2022

PODD Centre and Huai Sai Subdistrict Administrative Organization (SAO), Mae Rim District, Chiang Mai Province received **“The Prime Minister’s Digital Award 2022” for Digital Community of the Year** from providing a long-term care system for the elderly in the community with PODD toolkits under the Digital Infinity Project concept.



Year 2 Seminars Series for training the PODD Utilizing a health surveillance system in Thailand

5 Batches:

1st Batch: 23-24 February, 2023, Chiang Mai Province (Northern region)

2nd Batch: 9-10 March, 2023, Nakhonphanom Province (North Eastern region)

3rd Batch: 13-14 March, 2023, Ubon Ratchathani Province (North Eastern region)

4th Batch: 23-24 March, 2023, Krabi Province (Southern region)

5th Batch: 30-31 March, 2023, Trad Province (Northeastern region)

ขอเชิญเข้าร่วม
งานประชุมสัมมนาวิชาการ
การใช้งานแพลตฟอร์ม
ดิจิทัลของชุมชน"ผ่อดีดี" (PODD)
ขับเคลื่อนตำบลปลอดภัย

รุ่นที่ 1
วันที่ 23-24 กุมภาพันธ์ 2566
โรงแรมเซ็นทารา ริเวอร์ไซด์ จ.เชียงใหม่
(พ.ศ.๒๕๖๖) (๒๓-๒๔ ก.พ. ๒๕๖๖)

รุ่นที่ 2
วันที่ 9-10 มีนาคม 2566
โรงแรมพริ้งอรุณริเวอร์ไซด์ จ.นครพนม
(พ.ศ.๒๕๖๖) (๙-๑๐ มี.ค. ๒๕๖๖)

รุ่นที่ 3
วันที่ 13-14 มีนาคม 2566
โรงแรมสุโขทัย แกรนด์ แอนด์ คอนเวนชั่น เซ็นเตอร์
จ.อุบลราชธานี
(พ.ศ.๒๕๖๖) (๑๓-๑๔ มี.ค. ๒๕๖๖)

รุ่นที่ 4
วันที่ 23-24 มีนาคม 2566
โรงแรมเนอวาท พลาซ่า ภูเก็ต ส่วนกลาง
จ.กระบี่
(พ.ศ.๒๕๖๖) (๒๓-๒๔ มี.ค. ๒๕๖๖)

รุ่นที่ 5
วันที่ 30-31 มีนาคม 2566
โรงแรมท่าช้างตากสินบุรี จ.ตราด
(พ.ศ.๒๕๖๖) (๓๐-๓๑ มี.ค. ๒๕๖๖)

รุ่นที่ 6
วันที่ 3-4 เมษายน 2566
โรงแรมพิจูจน์กาญจนบุรี จ.กาญจนบุรี
(พ.ศ.๒๕๖๖) (๓-๔ เม.ย. ๒๕๖๖)

รุ่นที่ 7
วันที่ 20-21 เมษายน 2566
โรงแรมเกษมวิสิษฐ์ รีสอร์ท แอนด์ สปา
จ.นครสวรรค์
(พ.ศ.๒๕๖๖) (๒๐-๒๑ เม.ย. ๒๕๖๖)

ค่าลงทะเบียนการสัมมนา
และมีกิจกรรมตลอดโปรแกรม (25๖)
1,500 บาท

(053-948075, 090-286-2572)
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@PODD
PODD TH

1st Batch: 23-24 February, 2023, Chiang Mai Province (Northern region)



2nd Batch: 9-10 March, 2023, Nakhonphanom Province (North Eastern region)



3rd Batch: 13-14 March, 2023, Ubon Ratchathani Province (North Eastern region)



4th Batch: 23-24 March, 2023, Krabi Province (South region)

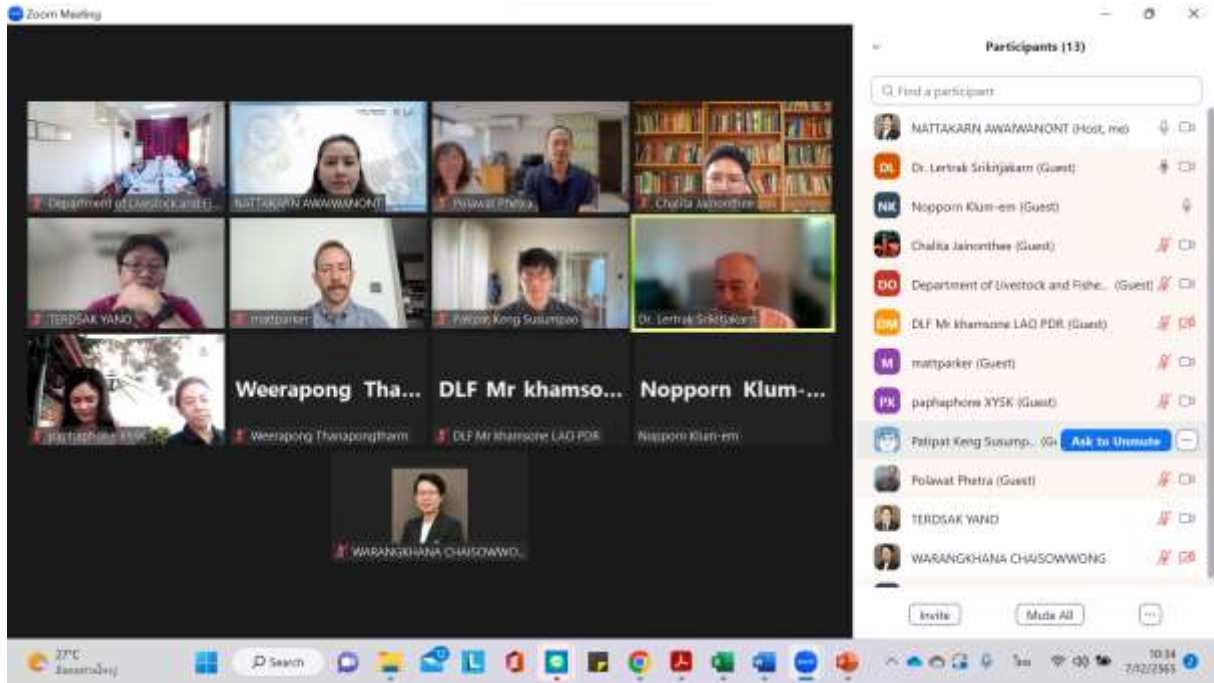


5th Batch: 30-31 March, 2023, Trad Province (Northeastern region)




Overseas Project Updates

3rd Tripartite meeting with Laos on 7 December 2022, Online Meeting




Study areas in Laos

PODD Global Health Project in Laos



Implementation Area in Laos PDR



5

provinces

- Vientiane Capital
- Bolixamxay
- Khammuan
- Savannakhet
- Champasack

10

districts

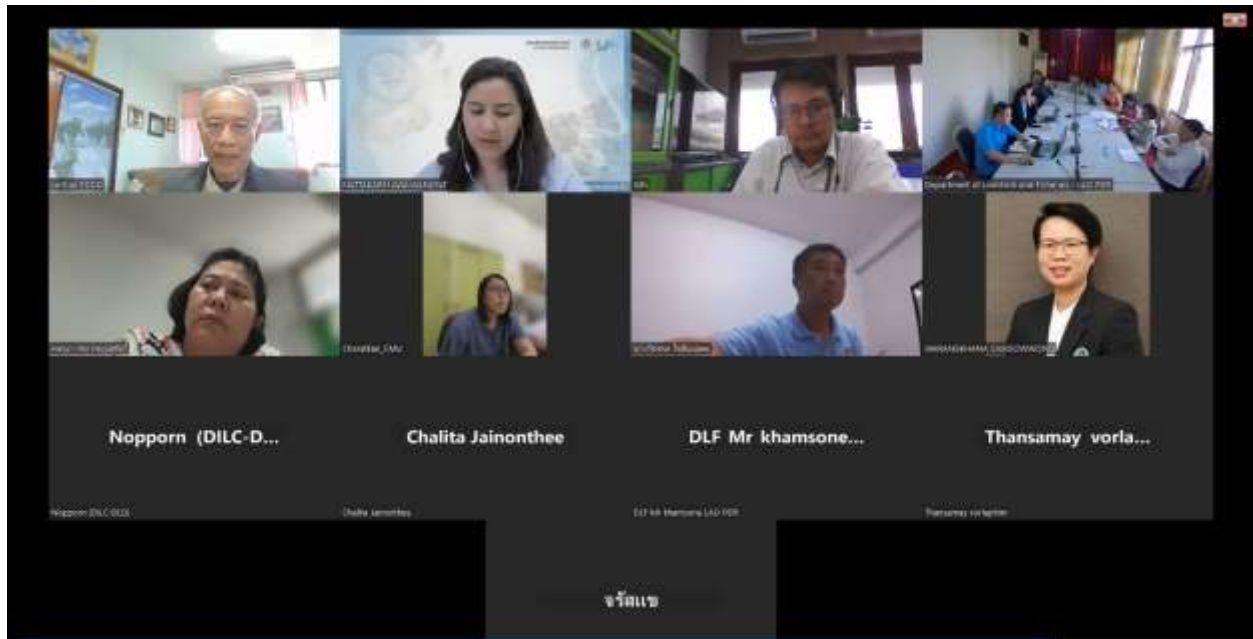
- Hadxayfong, Paknguem
- Pakxan, Thaphabad
- Thakhek, Nongbok
- Kaisonephomvihanh, Songkhone
- Phonethong, Sanasomboun

250

villages

- 2 volunteers per village
- Total 500

4th Tripartite meeting with Laos on 12 January 2023, online meeting



On the 4th Tripartite meeting, the DLF had set up official working group for the PODD Global Health Project in Laos. The three parties had discussed the implementation of PODD system in Laos. The study areas in Laos PDR has been identified. In total 250 villages will be included in this implementation. After the meeting, the draft MOA between DLD-DLF-CMU has been distributed to all parties to meet final agreement.

Letter on MOA process from DLF to Ministry of Foreign Affair of Laos PDR on 21 February 2023 (in Laos language)



ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ
ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນະຖາວອນ

ກະຊວງ ກະສິກໍາ ແລະ ປ່າໄມ້
ຫ້ອງການ

0 4 7 2 - - - -
ເລກທີ: /ຫກ
ນະຄອນຫຼວງວຽງຈັນ, ວັນທີ: 21 FEB 2023

ໜັງສືສະເໜີ

- ຮຽນ: ທ່ານ ຫົວໜ້າ ຫ້ອງການ ກະຊວງການຕ່າງປະເທດ ນັບຖື.
- ເລື່ອງ: ຂໍອະນຸມັດ ເຊັນບົດບັນທຶກຂໍ້ຕົກລົງ (MOA) ລະຫວ່າງ ກົມລ້ຽງສັດ ແລະ ການປະມົງ, ກະຊວງກະສິກໍາ ແລະ ປ່າໄມ້ ສປປ ລາວ, ມະຫາວິທະຍາໄລຊຽງໃໝ່ ແລະ ກົມປະສຸສັດ ແຫ່ງ ຣາຊະອານາຈັກໄທ.
- ອີງຕາມ ຂໍ້ຕົກລົງ ວ່າດ້ວຍການຈັດຕັ້ງ ແລະ ການເຕືອນໄຫວ ຂອງຫ້ອງການ ເລກທີ 1599/ກປ, ລົງວັນທີ 29 ທັນວາ 2021;
 - ອີງຕາມ ໜັງສືເຊັນ ຂອງກົມປະສຸສັດ ເພື່ອເຂົ້າຮ່ວມໂຄງການ ລະບົບເປົ້າລະວັງຊະພາບໜຶ່ງດຽວ ຂອງຊຸມຊົນ ສະບັບເລກທີ 0619/11741, ລົງວັນທີ 20 ມິຖຸນາ 2022;
 - ອີງຕາມ ໜັງສືສະເໜີ ຂອງກົມລ້ຽງສັດ ແລະ ການປະມົງ ສະບັບເລກທີ 0266/ກລປ, ລົງວັນທີ 01 ກຸມພາ 2023;
 - ອີງຕາມ ການຄົ້ນຄວ້າ ແລະ ນໍາສະເໜີ ຂອງກົມແຜນການ ແລະ ການຮ່ວມມື ສະບັບເລກທີ 0566/ກຜຮ, ລົງວັນທີ 13 ກຸມພາ 2023.

ຫ້ອງການ ກະຊວງກະສິກໍາ ແລະ ປ່າໄມ້ ຂໍຖືເປັນກຽດຮຽນສະເໜີມາຍັງທ່ານ ຊາບວ່າ: ກົມລ້ຽງສັດ ແລະ ການປະມົງ, ກະຊວງກະສິກໍາ ແລະ ປ່າໄມ້ ສປປ ລາວ ຈະມີການເຊັນບົດບັນທຶກຂໍ້ຕົກລົງ (MOA) ວ່າດ້ວຍການຮ່ວມມືກັບ ມະຫາວິທະຍາໄລຊຽງໃໝ່ ແລະ ກົມປະສຸສັດ ແຫ່ງ ຣາຊະອານາຈັກໄທ, ຈຸດປະສົງ ແມ່ນເພື່ອທົດລອງນໍາໃຊ້ລະບົບ ດິຈິຕ້ອນ ໃນການເຝົ້າລະວັງພະຍາດສຸຂະພາບໜຶ່ງດຽວແບບມີສ່ວນຮ່ວມໂດຍຊຸມຊົນ ແນໃສ່ການຄົ້ນຫາແຕ່ຫົວທີ ແລະ ການຄອບຄຸມການລະບາດ ຂອງພະຍາດແບບທັນການ ໂດຍສະເພາະແມ່ນບັນດາໄຂ້ມຸ່ງຂອງພະຍາດ ທີ່ມີຄວາມເປັນໄປໄດ້ສູງ ທີ່ຈະຮົ່ວໄຫຼໄປລຸ່ມນຸດ. ຊຶ່ງໃນຂອບການຮ່ວມມືນີ້ ແມ່ນບົນພື້ນຖານຫຼັກການທີ່ຕ່າງປະເທດມີວິນັຍປະໂຫຍດ ຮ່ວມກັນ ແລະ ຈະປະກອບມີຫົວຂໍ້ການຮ່ວມມື ຫ້າວຽກສໍາຄັນ ດັ່ງນີ້ລາຍລະອຽດລຸ່ມນີ້:

1. ອອກແບບລະບົບການເຝົ້າລະວັງພະຍາດສັດໂດຍຊຸມຊົນ ໂດຍອີງໃສ່ສະພາບ ແລະ ລະບົບການປົກຄອງ ຂອງປະເທດ ແລະ ຂົງເຂດທີ່ທະການສຶກສາ;
2. ຕິດຕັ້ງລະບົບການເຝົ້າລະວັງພະຍາດສັດໂດຍຊຸມຊົນ ໃນຂົງເຂດທ່າການສຶກສາ;
3. ຕິດຕາມ ແລະ ລາຍງານ ກ່ຽວກັບການນໍາໃຊ້ ລະບົບການເຝົ້າລະວັງພະຍາດສັດໂດຍຊຸມຊົນ;
4. ການປະເມີນຜົນໂຄງການ.

ຜ່ານການຄົ້ນຄວ້າດ້ານວິຊາການແລ້ວ ເຫັນວ່າການຮ່ວມມືດັ່ງກ່າວ ຈະເປັນບ່ອນອີງ ແລະ ບາດກ້າວທີ່ດີ ໃນການດຶງດູດ ການຊ່ວຍເຫຼືອດ້ານວິຊາການ ແລະ ທຶນຮອນ ມາປະກອບສ່ວນໃສ່ ການພັດທະນາ ຂະແໜງກະສິກໍາ ແລະ ປ່າໄມ້ ໂດຍສະເພາະການສ້າງຄວາມຂາດສາມາດ ໃຫ້ແກ່ການຍົກລະດັບ ການເຝົ້າລະວັງພະຍາດສັດ ຢູ່ໃນ ສປປ ລາວ, ຊຶ່ງຜ່ານມາທັງສາມພາກສ່ວນ ກໍ່ມີການຮ່ວມມື ຊ່ວຍເຫຼືອຊຶ່ງກັນ ແລະ ກັນຢ່າງຕໍ່ເນື່ອງໃນໄລຍະຜ່ານມາແລ້ວ. ດ້ານເນື້ອໃນ ເຫັນວ່າ ບົດບັນທຶກຂໍ້ຕົກລົງດັ່ງກ່າວ ແມ່ນສົມດັບ ທັດຮັດດີ ແລະ ບໍ່ມີຂໍ້ບຸກມັດຫຍັງ, ສະນັ້ນ, ຈຶ່ງຮຽນສະເໜີມາຍັງທ່ານ ເພື່ອຂໍອະນຸມັດ ໃຫ້ກົມລ້ຽງສັດ ແລະ ການປະມົງ, ກະຊວງກະສິກໍາ ແລະ ປ່າໄມ້ ເຊັນບົດບັນທຶກຂໍ້ຕົກລົງ (MOA) ຮ່ວມກັບ ມະຫາວິທະຍາໄລຊຽງໃໝ່ ແລະ ກົມປະສຸສັດ ແຫ່ງ ຣາຊະອານາຈັກໄທ, ລາຍລະອຽດໄດ້ຄັດຕິດເນື້ອໃນບົດບັນທຶກຂໍ້ຕົກລົງ ຄັດຕິດມາພ້ອມນີ້.

ດັ່ງນັ້ນ, ຈຶ່ງຮຽນສະເໜີມາຍັງທ່ານ ເພື່ອພິຈາລະນາຕາມທາງຄວນດ້ວຍ.

ສະບັບ: ເກັບມ້ຽນ 02 ສະບັບ

ຫົວໜ້າຫ້ອງການ
ກະຊວງກະສິກໍາ ແລະ ປ່າໄມ້
ຫ້ອງການ
ສີປະໄພ ໂຊສິງຄາມ

Letter from DLD to General Directorate of Animal Health and Production
of Cambodia on 24 February 2023

No. 0619/ *4137*



Department of Livestock Development
Phaya Thai Road, Bangkok 10400
THAILAND
Tel: 66-2-653-4444 Ext. 4272
Fax: 66-2-653-4443
E-mail: inter_asia@dld.go.th

24 February B.E. 2566 (2023)

Dear Director General,

**Re: Invitation to Participate in the Project of the Community's One Health
Surveillance System: Participatory One Health Disease Detection (PODD)**

Reference is made to the Department of Livestock Development (DLD)'s letter ref. no. 0619/11742 dated 20 June 2022 inviting the General Directorate of Animal Health and Production (GDAHP) of Cambodia to participate in the Project of the Community's One Health Surveillance System: Participatory One Health Disease Detection (PODD).

Due to the project will be terminated in November 2023, therefore, we are waiting for GDAHP's response, whether acceptance or rejection to participate in the project. Please kindly response before 31 March 2023.

Your kind cooperation in this matter is our most appreciate. Should there be any further questions relevant to the proposed Tripartite Memorandum of Understanding on the Community's One Health Surveillance System: PODD between Chiang Mai University (CMU), DLD and GDAHP, please contact Dr. Nattakarn Awaiwanont, Secretary of PODD global health project, PODD Centre, CMU at nattakarn.a@cmu.ac.th.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "S. Ratanamun-klanon".

Dr. Somchuan Ratanamun-klanon (D.V.M.)
Director General
Department of Livestock Development

Director General
General Directorate of Animal Health and Production
Ministry of Agriculture Forestry and Fisheries
Cambodia

Training of the trainers “Early detection and rapid response to stop epizootic and pandemic using community-owned surveillance system: Participatory One Health Disease Detection application (PODD)” for DLF staffs
on 15-17 March 2023 at Duang Tawan Hotel, Chiang Mai, Thailand



Lao People's Democratic Republic
Peace Independence Democracy Unity Prosperity

Ministry of Agriculture and Forestry
Department of Livestock and Fisheries
P.O.Box 6644 Vientiane, Lao PDR
Tel: (856-21) 215242, 215243
Fax: (856-21) 215241

0549
Ref:/DLF
Vientiane, Date: 06 MAR 2023

To: Prof. Dr. Korakot Nganwongpanit,
Dean of Faculty of Veterinary Medicine, Chiang Mai University
Mae Hia, Muang, Chiang Mai 50100 Thailand
Tel. 66-53-948002 Fax 66-53-274710
E-mail: dean.vet@cmu.ac.th

Subject: Nomination of the Laos delegates for the joint trainer workshop on “Early detection and rapid response to stop epizootic and pandemic using community-based surveillance system: Participatory One Health Disease Detection application (PODD)” on 15-17 March 2023, in Chiang Mai, Thailand.

Dear Prof. Dr. Korakot Nganwongpanit

Reference to the letter Ref: No.8393(18)/518 date 1 March 2023 of the Joint Trainer Workshop on “Early detection and rapid response to stop epizootic and pandemic using community-based surveillance system: Participatory One Health Disease Detection application (PODD)” on 15-17 March 2023, in Chiang Mai, Thailand.

The Department of Livestock and Fisheries would like to nominate 10 people of Laos delegates to attend the above-mentioned Trainer Workshop as below:

1. Dr. Souryasack CHAYAVONG Head of Division of Veterinary Services
2. Ms. Paphaphone XAYASONGKHAM Deputy Head of Division of Animal and fish Products Management
3. Ms. Ounheuane NGAOSAVATH Deputy Head of Division of Administration and Planning
4. Ms. Vilayvanh SOUKVILAY Deputy Head of National Animal Health Laboratory
5. Mr. Somphone XAYAVONG Deputy Head of Veterinary Vaccine Production Center
6. Mr. Xaysavang PHADANOUVONG Technician of Division of Administration and Planning

7. Mr. Somchanh BOUTTA Technician of Division of Veterinary Services
8. Ms. Amphayvanh PHANTHASOMBUTH Technician of Division of Veterinary Services
9. Ms. Khamphok PHITHACTHEP Technician of National Animal Health Laboratory
10. Mr. Joy PHANTAVONG Technician of Division of Standards and Sanitary

Please accept the renewed assurances of my highest consideration.

Your sincerely,



Mrs. Vilayphone VORRAPHIM

Director General
Department of Livestock and Fisheries









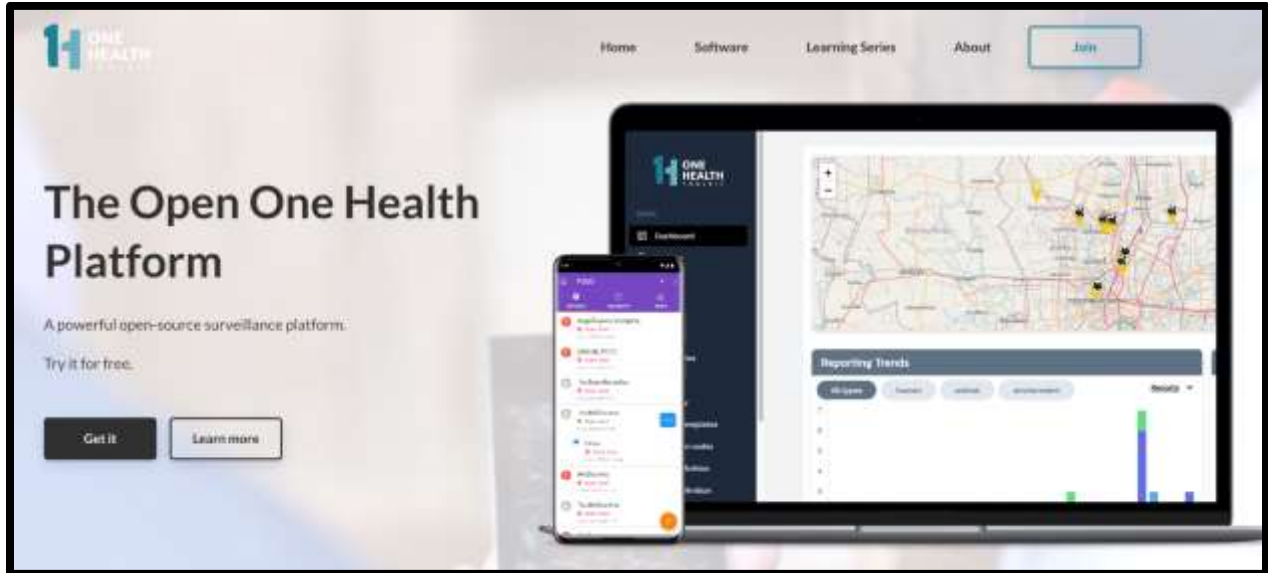
2nd Meeting with Mobuzz team from Singapore to discuss how to enhance PODD application with Mobuzz, online meeting on 29 March 2023



**IWOPS 2022 ; 4th International Workshop on Participatory Surveillance
31 October – 3 November 2022, Phnom Penh, Cambodia**



Technology Updates



As discussed in the previous One Health Toolkit Development Report, Opendream has been actively developing a “toolkit” which packages the PODD approach into a format that can be deployed by other countries. The One Health Toolkit is a foundation for launching participatory disease surveillance at the community level.

One method of operationalizing the One Health Approach is with technology that applies the principles of One Health and Participatory Surveillance in practice. Rather than relying on traditional surveillance methods using trained epidemiologists in the field, the Toolkit Software can be used by non-technical users for a variety of public health concerns. The software is localized into English, Thai, Khmer, and Lao.

Milestones

1. In November 2022, Opendream presented the One Health Toolkit software at the [4th International Workshop on Participatory Surveillance](#) in Phnom Penh, Cambodia.
2. In January 2023, OHTK Android mobile app was approved for release on [Google Play store](#).
3. In February 2023, OHTK iOS mobile app was approved for release on [Apple's App Store](#).
4. Fully redesigned OHTK mobile apps for improved usability and user experience.
5. Created official One Health Toolkit software [user guide](#).
6. Created official OHTK [technical documentation website](#).
7. Transferred domain ownership of [onehealthtoolkit.org](#) to the PODD Centre.
8. Created [One Health Toolkit Library](#) for reusable report templates and case definitions.
9. Coordinated with Wildlife Conservation Society (WCS) on the National Wildlife Health Surveillance Committee in Laos PDR.
10. In March, Opendream trained 10 Laos PDR government officials from the Department of Livestock and Fisheries on the One Health Toolkit software at a [workshop in Chiang Mai](#).

International Workshop on Participatory Surveillance

Opendream was invited to present at the 4th International Workshop on Participatory Surveillance hosted by Ending Pandemics in Phnom Penh, Cambodia. The One Health Toolkit software was demoed for ~200 public health practitioners from 40 countries to showcase the feasibility of open source surveillance software in resource-constrained settings.

Keng presenting OHTK Dashboard



OHTK Mobile App Updates

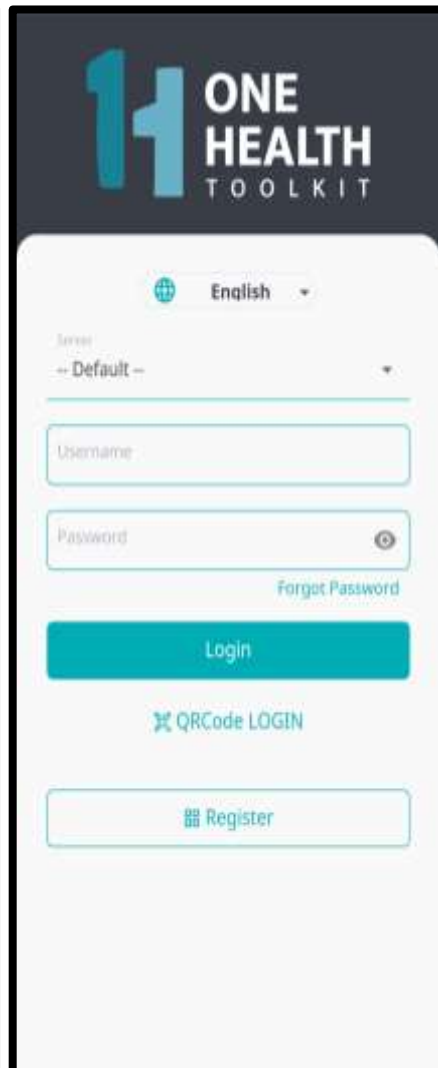
OHTK Mobile is an open-source participatory surveillance mobile application for community and official reporting. Volunteers contribute data via the OHTK Mobile application. OHTK Mobile supports both Android and iOS devices, offline data collection for rural areas with limited connectivity, and is currently supported in 4 languages: English, Thai, Laos, and Khmer.

- The mobile application was completely redesigned by Opendream for improved user experience and better accessibility as more countries are onboarded for international implementations.
- Both the Android and iOS versions of the mobile app were approved by Google and Apple respectively for public distribution.

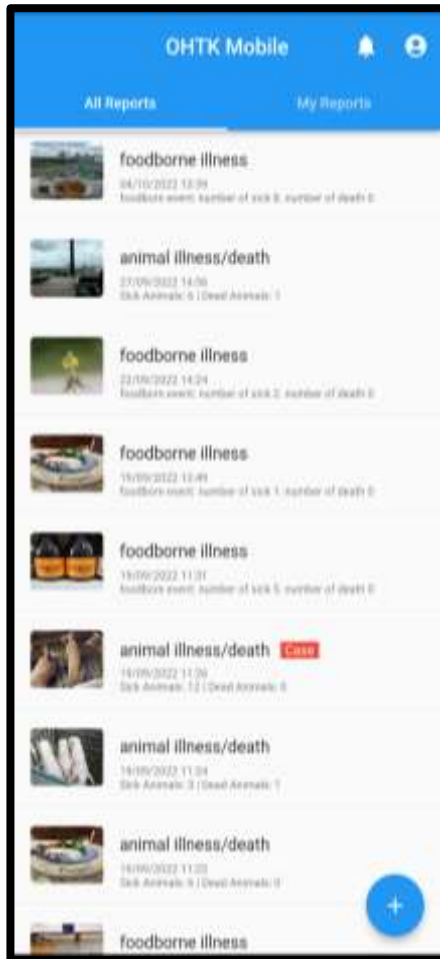
Old OHTK Login Screen



New OHTK Login Screen



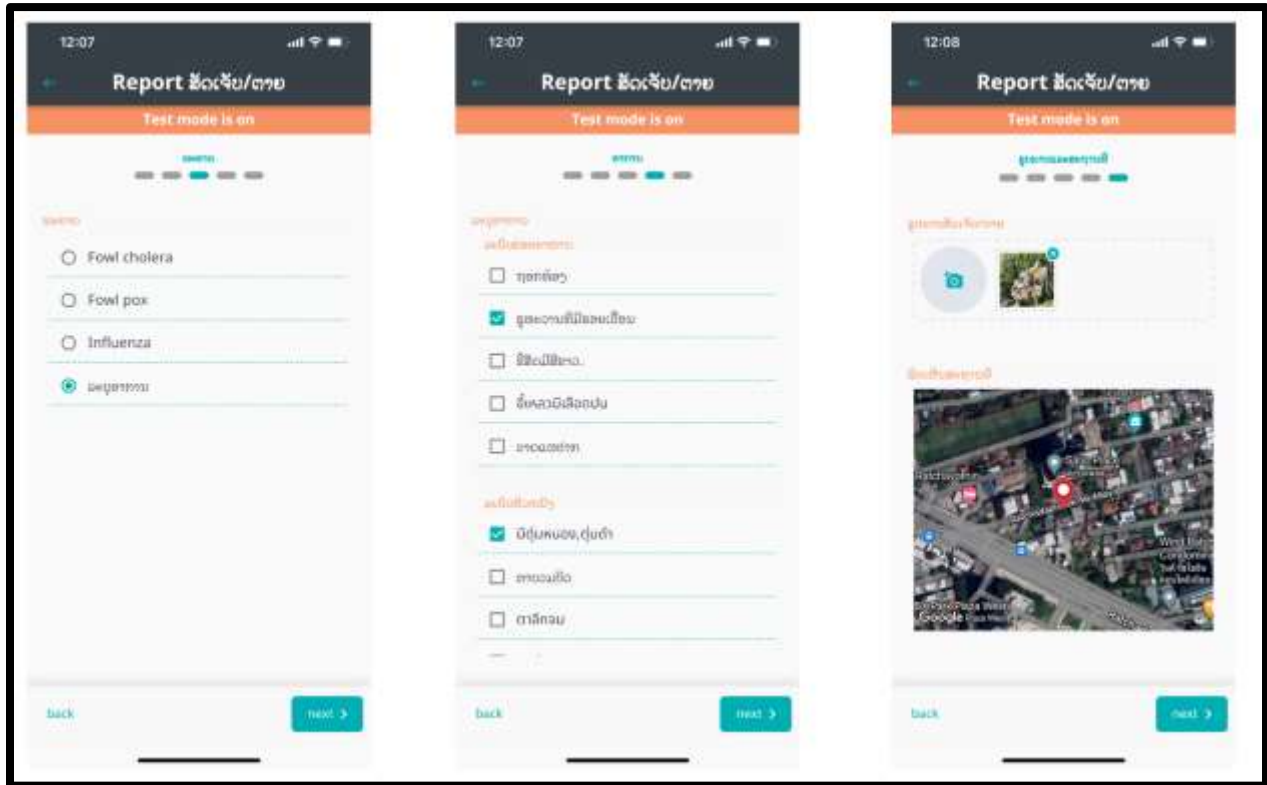
Old Home Screen



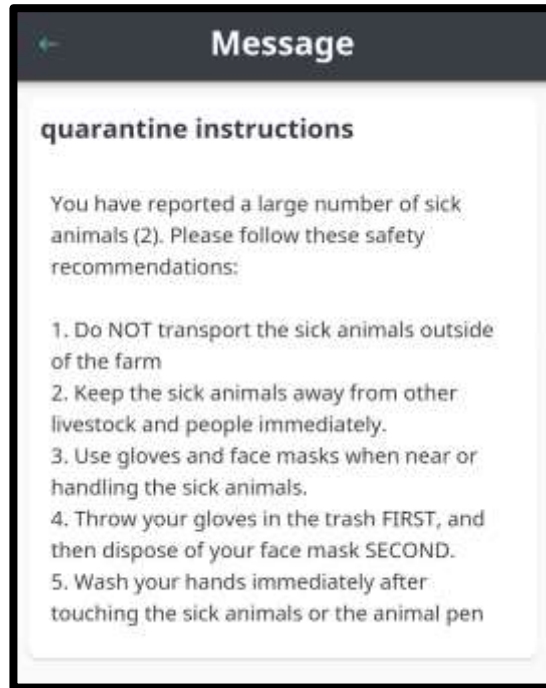
New Home Screen



New Report Creation Process



Automated quarantine instructions to village volunteer



Android



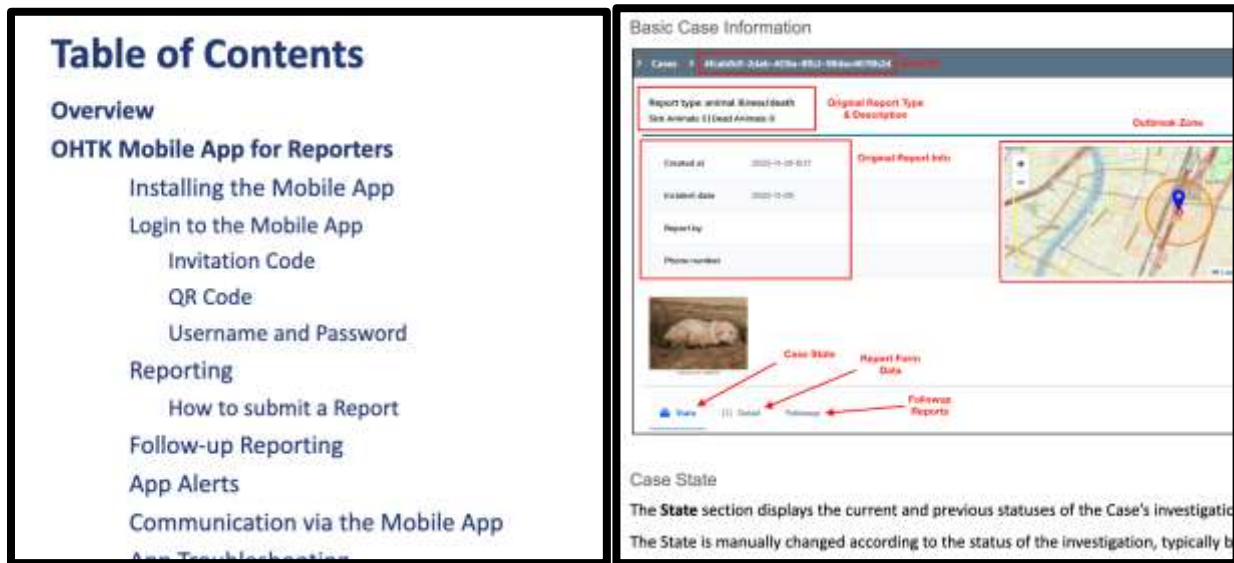
iPhone



OHTK User Guide

To help partner countries implement the OHTK software, Opendream created an official user guide to help government officials and administrators manage their own local surveillance systems. The user guide includes setup and management instructions for the OHTK mobile app and the OHTK management system.

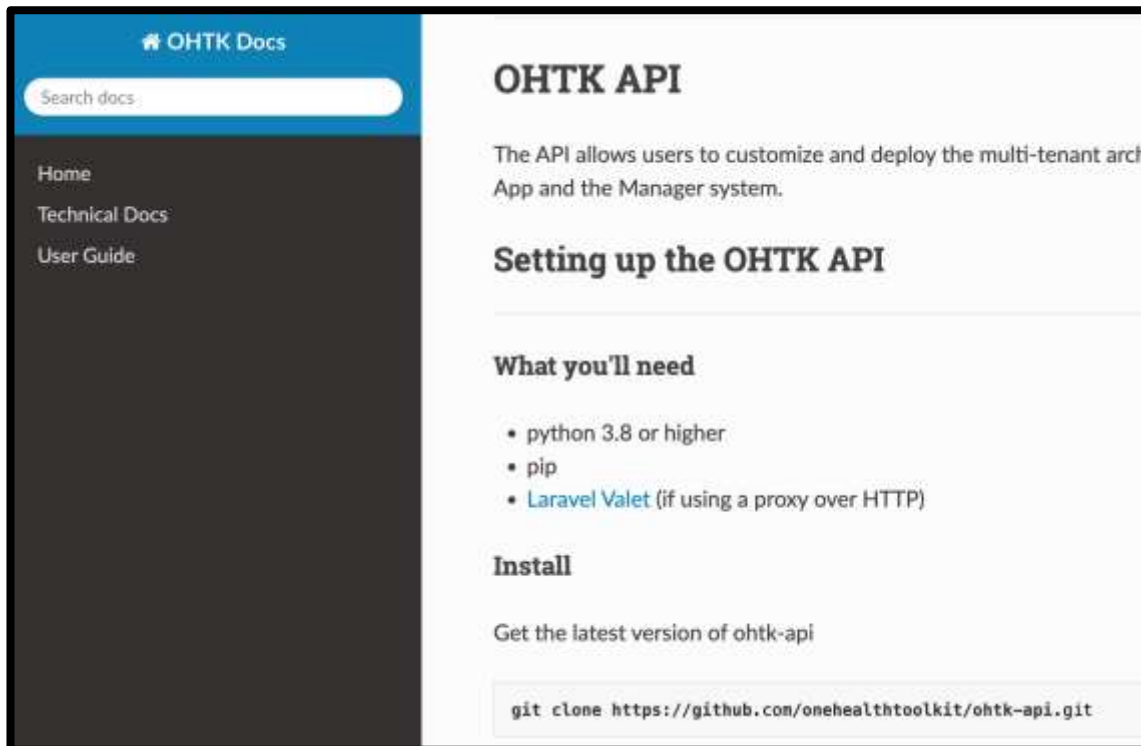
Screenshots from User Guide



[OHTK Technical Documentation Website](#)

To accompany the user guide, Opendream created a technical documentation website for programmers and developers to copy the open source code and create their own local surveillance systems. The technical doc website includes step-by-step walkthrough instructions for engineers to create and host the OHTK API, mobile app, and management system.

Screenshot of API Documentation from Technical Docs



OHTK Library

As an extension package of OHTK, Opendream created a library of common report types and case definitions to be reused across any implementation of the software. The eventual goal is for the library to be a repository of localized and translated case definitions that can be used for any One Health surveillance project. This package reduces implementation time and saves costs for partner organizations setting up surveillance systems.

Sample case definitions for several animal diseases

Standard Case Definitions

Animal Health

- *Foot and Mouth Disease* | Available languages:
- *Brucellosis* | Available languages:
- *Black Leg Fever* | Available languages:
- *Tuberculosis* | Available languages:
- *Haemorrhagic Septicemia* | Available languages:
- *Fowl cholera* | Available languages:
- *Fowl pox* | Available languages:
- *Avian Influenza* | Available languages:

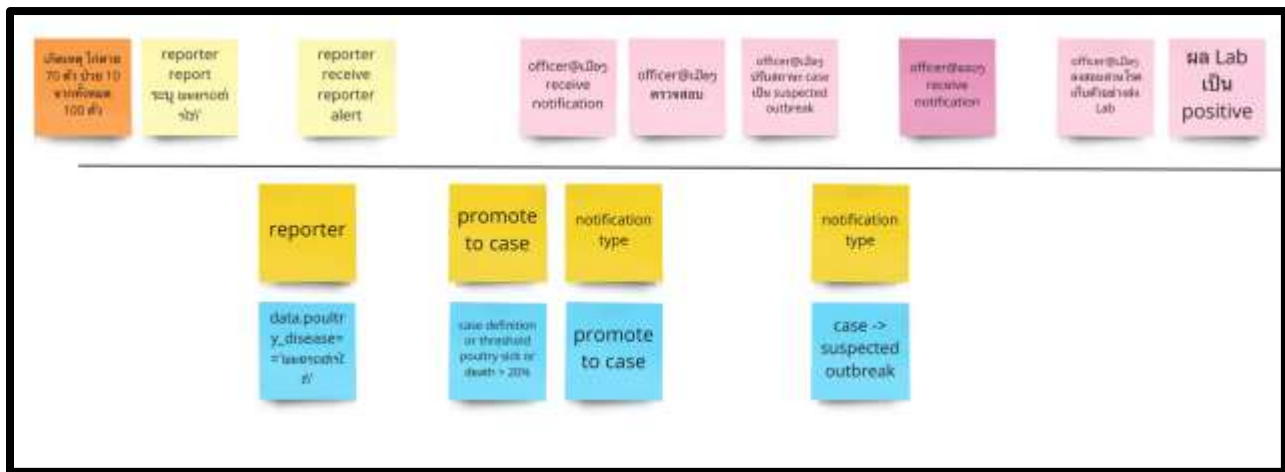
Laos National Wildlife Health Surveillance Committee

A National Wildlife Health Surveillance Committee was officially established by the Department of Livestock Development and Fisheries, Ministry of Agriculture and Forestry to provide guidance to relevant stakeholders in the surveillance, investigation, and control of, and response to, wildlife mortality events and disease outbreaks. The PODD Laos Global Health team has been engaged with this committee via our partner the Wildlife Conservation Society to coordinate any overlapping efforts between wildlife and livestock surveillance projects.

Laos Department of Livestock and Fisheries Workshop

From March 15–17, Opendream trained 10 Laos PDR government officials from the Department of Livestock and Fisheries on the One Health Toolkit software. The workshop included hands-on trainings, simulations, role-playing exercises, site visits to real farms doing One Health surveillance, and a signing of intent ceremony between Chiang Mai University and Laos PDR.

Outbreak simulation flow exercise



Pok presenting mobile app



Laos officials downloading OHTK mobile for the first time



Laos official using OHTK mobile app



Laos officials visit PODD participating farm

