



REGIONAL WORKSHOP ON LABORATORY QUALITY AND BIOSAFETY
ADB/GMS-HEALTH SECURITY PROJECT
CAMBODIA, LAO PDR, MYANMAR, AND VIETNAM

CONCEPT NOTE

Title of Event

Regional Workshop on Laboratory Quality and Biosafety

Rationale:

Laboratory services constitute an integral part of the health services, and as such require continuous upgrading and strengthening in order to provide optimum quality of diagnostic testing and management of patient care. Reliable and timely results from laboratory investigations are critical elements in decision making in all aspects of health care, and are essential for the surveillance and control diseases of public health importance. In laboratory the use of good microbiological work practices, appropriate containment equipment, proper facility design, operation and maintenance, and administrative consideration to minimize the risk of worker injury and illness is being considered. The strengthening of laboratory biosafety prevents laboratory staff from unintentional exposure to pathogens and toxins or their accidental release.

The Ministry of Health in Cambodia works closely with WHO and other national and international partners, providing support and technical advice in many laboratory strengthening priority areas, including the national laboratory network, biosafety and biosecurity, information and quality management systems, specimen transfer and external quality assurance. According to the assessment of the national laboratory system in 2013, biorisk management received the lowest score (19%) of all areas assessed. Likewise, the average score for biosafety among 22 laboratories assessed was 45%. The assessment report concluded that “Biosafety is one of the biggest problems in medical laboratories in Cambodia”.

In Cambodia, the ADB Greater Mekong Subregion (GMS) Health Security Project 2017–2022 will focus on 13 provinces, and cover a total of 42 district hospitals close to borders and economic corridors. The general outcome of the project is strengthening of public health security, accomplished through three main outputs:

1. Regional cooperation and communicable disease control in border areas improved,
2. National disease surveillance and outbreak response systems strengthened, and
3. Laboratory services and hospital Infection Prevention and Control (IPC) improved.

Activities included to achieve the third output will include conducting staff training on internal quality improvement to provincial, district and/or township hospitals; preparing standard operating procedures; providing basic equipment, supplies, and minor repairs for laboratories; setting up external quality assurance and audit systems for compliance with national biosafety and quality guidelines; and setting up laboratory networks. Strengthening laboratory capacity is one of the priority areas identified in the Asian Pacific Strategy for Emerging Diseases (APSED III), in line with IHR (2005) to achieve output 1 of GMS Health Security Project.

Objectives and Desired Outputs

Overall Objective:

The objective of the workshop is to improve the quality and bio-safety of laboratory services in the region.

Specific Objectives:

1. Networking and sharing information on Laboratory quality, Biosafety and bio risk management in the region,
2. Identify and assess priority biosafety gaps and challenges in the countries (shared assessment findings),
3. Promote animal and human health interface in biosafety and health security measures, and
4. Identify Key activities and strategies to promote biosafety and quality laboratory services.

Expected output:

1. Shared experience and knowledge of Laboratory quality, Biosafety and risk management among CLMV countries;
2. Established network for sharing information to improve quality of laboratory and biosafety among CLMV countries; and
3. List of key activities and strategies to promote biosafety and laboratory quality service in the region.

Deliverable

Workshop report including presentations, list of contact persons for laboratory networking, list of key activities and strategy to improve laboratory quality and biosafety.

Topics for Discussion

1. Regional report for Laboratory Quality and Biosafety for Biorisk Management,
2. Global Health Security/Public Health, Animal Health Working in Network, and
3. Way forward for Laboratory Quality and Biosafety to support one health among CLMV countries.

Presentations

1. Networking and implementation of national oversight system for biosafety and biorisk management,
2. What should we know to help mitigate Biorisk management and strengthening on health system at the border areas, and
3. Biorisk capacity through result assessment under GMS Health Security Project

Venue and Dates

14–15 August 2018, Siem Reap Province, Cambodia

Main Participants

Total participants: 79 participants

| | |
|-------------|----|
| Cambodia | 58 |
| Lao | 7 |
| Vietnam | 3 |
| Myanmar | 6 |
| WHO | 1 |
| IPC | 1 |
| USCDC | 1 |
| OIE | 1 |
| Secretariat | 6 |

Participation of profile:

Laboratory Focal Points
IPC Focal Points
RRT/FETP
Zoonosis
Project Management Unit

Organizers and Partners

Department of Hospital Services, Ministry of Health, Cambodia with support from Project Management Unit (PMH) of GMS Health Security Project.

Contact Persons

Department of Hospital Services, Ministry of Health, Cambodia

Dr. Sau Sokunna

Deputy Director

Mobile: +855 12 920-480

Email: kunnasau@gmail.com

GMS Health Security Project Management Unit (PMU), Ministry of Health, Cambodia

Mr. Mom Vortana

Planning, Monitoring and IT

Specialist Tel: +855 23 998 549

/722 103

Fax: +855 23 998 548

Mobile: +855 12 836-585

Email: it_gms_cdc@online.com.kh | vortana@gmail.com

Ms. Kung Bora

Project administrator

Tel: +855 23 998 549 /722 103

Fax: +855 23 998 548

Mobile: +855 12 233-623

Email: secretary_gms_cdc@online.com.kh

Resources and Partnership

WHO officer in

Cambodia NAHPRI

US

CD

C

OIE

IPC

PRELIMINARY PROGRAM

13 August, Monday

ARRIVAL OF COUNTRIES DELEGATES (Cambodia, Lao PDR, Myanmar, Vietnam) /
PROJECT DIRECTORS / ADB TEAM AND OTHER PARTICIPANTS

Arrival and meeting at Siem Reap International airport. Transfer to hotel.

COOPERATION FOR QUALITY OF LABORATORY SERVICES IN THE REGION

REGIONAL WORKSHOP ON LABORATORY AND BIO-SAFETY

14 August, Tuesday

08:30 – 09:00 Registration of participants

MORNING SESSION

09:00 – 10:00 **OPENING SESSION**

Master of Ceremony: Ms. Uch Monipheap, Department of Hospital Services (MOH Cambodia)

Welcome Remarks:

- **Briefing of the workshop, Dr. Sok Srun**, Director of DHS, MOH, Cambodia
- **Dr. Bouakhan Phakhounthong**, Deputy Director General of DHCR, MOH, Lao PDR
- **Dr. Ommar Swe Tin**, National Health Laboratory, MOHS, Myanmar
- **Dr. Trinh Xuan Tung**, Division of Immunization Management and Biosafety, GDPM, MOH, Vietnam
- **Dr. Natacha Alexendra Korn**i, WHO Cambodia

Opening Address: Prof. ENG Huot. Secretary of State for Health, MOH Cambodia

10:00 – 10:30 *Group Photo/Coffee break*

10:30 – 10:45 *Introduction of Laboratory Quality and Biosafety in CLMV – ADB, Position*

10:45 – 12:00 **PLENARY SESSION 1** **COUNTRY PRESENTATIONS STATUS OF LABORATORY QUALITY AND BIOSAFETY, CHALLENGES, AND FUTURE PLAN**

CHAIR: Dr. SOK Srun, Director of DHS, MOH (Cambodia)

CO-CHAIR: Dr. Natacha Alexendra Korn Fonseca Milhano, WHO-CAMBODIA

- Presentation on networking and implementation of national oversight system for biosafety and biorisk management in Cambodia – **Dr. Sau Sokunna**, Deputy Director of DHS, Director of National Biosafety Committee (15 minutes)
- Presentation of Lao PDR – **Dr. Phonepadith Xangsayarath** (15 minutes)
- Presentation of Myanmar – **TBD**, Position (15 minutes)
- Presentation of Viet Nam – **TBD**, Position (15 minutes)
- Question and answer (15 minutes)

12:00 – 13:30 **Lunch**

AFTERNOON SESSION

13:30 – 15:00 **PLENARY SESSION 2** **GLOBAL HEALTH SECURITY / PUBLIC HEALTH, ANIMAL HEALTH WORKING IN NETWORK**

CHAIR: **Dr. Bouakhan Phakhounthong**, Lao PDR

CO-CHAIR: **Dr. Ommar Swe Tin**, Myanmar

- What you should know to help mitigate biorisk management and strengthening on health system at the border areas – **ADB**, Position (15 minutes)
- Presentation on Outbreak Response of CDC in Cambodia – **Tek Bunchhoeung**, CDCD (15 minute)
- Presentation on animal health network – **Dr. Ren Theary**, National Animal Health and Production Research Institute (NAHPRI), Cambodia (15 minutes)
- Presentation of Biosafety for animal health Lao PDR – **Dr. Phouvong Phommachanh** (15 minutes)
- Presentation of Myanmar – **TBD**, Position (15 minutes)
- Presentation of Vietnam – **TBD**, Position (15 minutes)

15:00 – 15:30 **Coffee break**

15:30 – 16:30 **GROUP DISCUSSION 1** **4 GROUPS DISCUSSION ON ISSUES/CHALLENGES & INTERVENTION (1). HUMAN LABORATORY, (2). PARTNERS FOR HUMAN LAB, (3). ANIMAL HEALTH LABORATORY AND (4). PARTNERS FOR ANIMAL HEALTH LABORATORY**

16:30 – 17:00 **GROUP PRESENTATION**

CHAIR: **Dr. Trinh Xuan Tung**, Vietnam

CO-CHAIR: **Dr. Sar Borann Sar**, USCDC

18:30 – 20:00 **Welcome Dinner**

15 August, Wednesday**MORNING SESSION****08:30 – 09:00** RECAP DAY 1, Rapporteur**09:00 – 09:30** GROUP PRESENTATION (Continue)

CHAIR: Dr. Trinh Xuan Tung, Vietnam

CO-CHAIR: Dr. Sar Borann Sar, USCDC

09:30 – 10:00 **PLENARY SESSION 3** ISSUES/CHALLENGES AND INTERVENTION TO SUPPORT HUMAN LAB AND ANIMAL LAB

CHAIR: Dr. Ommar Swe Tin, Myanmar, Myanmar

CO-CHAIR: Dr. Natacha Alexandra Kornil Fonseca Milhano, WHO-CAMBODIA

10:00 – 10:30 *Coffee break***10:30 – 12:00** **GROUP DISCUSSION 2** 4 GROUPS DISCUSSION ON PRIORITY AND PLANNING
(1). HUMAN LABORATORY, (2). PARTNERS FOR HUMAN LAB,
(3). ANIMAL HEALTH LABORATORY AND
(4). PARTNERS FOR ANIMAL HEALTH LABORATORY**12:00 – 13:30** *Lunch***AFTERNOON SESSION****13:30 – 14:30** GROUP PRESENTATION

CHAIR: Dr. Sau Sokunna, Deputy Director DHS, Cambodia

CO-CHAIR: Dr. Bouakhan Phakhounthong, Lao PDR

14:30 – 15:30 **PLENARY SESSION 4** PRIORITY, PLANNING AND RECOMMENDATION

CHAIR: Dr. Sau Sokunna, Deputy Director DHS, Cambodia

CO-CHAIR: Dr. Bouakhan Phakhounthong, Lao PDR

15:30 – 16:00 *Coffee break***16:00 – 16:30** *Wrap-up session (Rapporteur)***16:30 – 17:00** **CLOSING SESSION***Master of Ceremony: Ms. Uch Monipheap, Department of Hospital Services, MOH Cambodia*
Conclusive report of the workshop

- Closing remarks – **Dr. Ommar Swe Tin**, Myanmar
- Closing remarks – **Dr. Bouakhan Phakhounthong**, Lao PDR
- Closing remarks – **Dr. Trinh Xuan Tung**, Vietnam
- Closing remarks – **Dr. Sok Srun**, Cambodia