

FINAL SEALAB WORKSHOP  
12 June 2023

“OUTCOMES AND CHANGES”

Laboratory of Battambang  
Referral Hospital



**SEALAB**  
SOUTH-EAST ASIA LAB NETWORK



- The primary objective of SEALAB project is to improve Public Health Laboratory System to better detect, investigate, coordinate and report on disease outbreaks that could become public health emergencies.

This presentation will show main achievements of SEALAB program that produced changes in practices and sustainable outcomes that strengthen lab capacity in Battambang referral hospital.

# IN-SERVICE CURRICULUM

## Activities achieved

- Review of Modules for validation with BMLS
- Delivery of 12 trainings on site
- 12 Practical trainings on site
- 20 days of training on site.
- 55 lab technicians trained on 12 topics.
- 4 lab professionals received TOT



## Outcomes & changes

- Modules are formally validated and can be used in any lab
- Lab technicians are more efficient to perform advanced techniques
- Lab technicians are aware that calibration/verification of equipment is a priority
- Preventive maintenance result in saving money



# QUALITY MANAGEMENT SYSTEM (QMS)

## Activities achieved

- Assessment of lab QMS
- Training materials: Document control, inventory management, non conformity and corrective action
- 3 workshops bringing together lab technicians for common trainings
- 3 virtual trainings.
- 12 Individual mentoring sessions
- 2 onsite one-week trainings by NRL
- EQA panels provided and interpreted in 2021 & 2022



## Outcomes & changes

- 3 Lab technicians became Quality Champions
- 5 SOPs updated Document control, Non conformity,
- Understanding of RCA tools & how to apply them
- Applying the process of risk management
- Monitoring and evaluating the effectiveness of the QMS elements





# NATIONAL TRANSPORTATION SYSTEM (NTS)

## Activities achieved

- Assessment of the flow of specimens
- Workshop to design the pilot phase
- Implementation of the 3-month pilot phase
- Working Group for preliminary presentation of data analyzed by IPC
- Workshop to propose formal guidelines to MOH and GDAH



## Outcomes & changes

- The NTS can cover all sites
- The system of tracking of the courier company allow to trace samples
- Biosecurity is improved
- Fixed fees allow to better plan necessary resources for transportation



# NETWORKING

## Activities achieved

- Lab System workshop gathering AH and HH
- Participation in all SEALAB workshops, trainings bringing together all labs involved in the program
- Mission on ISO accreditation procedures in Laos (NCLE/ CILM/ Mahosot Lab..)
- Trainers who received TOT trained other labs
- Common one week workshop of SEALAB lab professionals in Cambodia and Laos under QWARs project
- Interaction with other partners supporting SEALAB project, GIZ, CHAI

## Outcomes & changes

- Socialization with lab professionals of AH established et strengthened under QWARs
- Technical mission in Laos followed by regular contacts
- Stronger linkage between the 5 labs participated in SEALAB
- Better awareness on other projects implemented by other partners on lab strengthening



# ISO accreditation

## Activities achieved

- Two 1-week missions onsite by NRL consultants
- Non-compliances against ISO 15189 using an audit checklist identified and classified
- Action Plan to address the non-compliances developed
- Laboratory documents, procedures and processes reviewed
- Priority list of gaps identified & customised training developed to address some of the gaps
- Mission at CILM in Laos to acknowledge reality of the process to accreditation

## Outcomes & changes

- New SOP drafted, removal and discard of obsolete version
- Master copies archived
- Regular inventory checks now performed.
- Incoming reagents now undergoing inspection and performance checks
- Labelling of equipment reviewed and corrected
- All reagent/material storage areas reviewed (expired date, temperature...)
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