



# SEALAB

SOUTH-EAST ASIA LAB NETWORK

## Sustainability of Outcomes

des racines pour la vie



roots for life



# SUSTAINABILITY



Sustaining programs is critical to maintain their intended benefits, capacities, and to optimize resources and investment.

Fondation Merieux and Partners have implemented several activities under SEALAB program, bearing in mind to:

- Prioritize sustainability from the beginning of a project
- Empower a properly trained, motivated, national workforce
- Facilitate more multisectoral partnerships,
- Consider the broader Lab System



# IN-SERVICE CURRICULUM



FMx and partners (IPC, DMDP) produced modules for in-service training materials.

## Key guarantees of sustainability:

- An extensive list of topics have been submitted to the participating labs which have scored priority needs
- A list a 12 modules selected
- All modules have been reviewed by the BMLS and formally validated
- Modules will be displayed on Cam Lab website, SEALAB website and Fondation Merieux Moodle platform to ensure visibility and availability for other programs.



*Validation of in-service curriculum wit BMLS*



# TRAINERS WORKFORCE



Training of Trainers were a critical step to **sustainability**:

- Participatory approach; TOT delivered online by external expert included customization of modules with the identified trainers to adapt the content of modules to the background of lab staff
- Restrictions of traveling have prevented external experts to come in Cambodia to deliver the curriculum; all trainings have been delivered by local lab professionals, empowering a sustainable national pool of trainers.



*Training at Kampong Chhnang Hospital Lab*



# QMS



The objective of the QMS component was to improve providing a quality service, performing tests that are:

- *Accurate & reproducible*
- *Reliable & consistent*
- *Traceable*

## Guarantees of sustainability:

- 15 quality champions were trained to carry out all tasks according to documented procedures
- Customized trainings after assessment of the 5 participating labs
- 2 individual monitoring sessions after each of the 6 trainings to adapt actions to the background of the lab
- SOPs and technical manuals are updated and at the right place in labs.



*Awarding Quality Champion*



# SUPPORTING ISO ACCREDITATION



NRL has supported BTB and Kg Cham labs to progress towards ISO 15189 accreditation that will prove that both labs are dedicated to delivering a proficient and quality service across all aspects of their operation.

## Sustainable actions:

- Conducted a baseline audit of the Microbiology Laboratory against the ISO standard.
- Identify and classify non-compliances against ISO 15189 using an audit checklist developed by NRL and based on international checklists used by accreditation agencies
- Develop an Action Plan to address the non-compliances, with actions prioritized according to the classification of each non-compliance.



*Paving the way to ISO accreditation at Battambang Hospital*



# CALIBRATION



Capacity for verification of accuracy of essential equipment (precision scale, pipettes, thermometers...) is critical for Quality.

## Proof of sustainability:

- Training on preventive maintenance and calibration, unanimously requested by the labs.
- Modules of training designed by the ISO accredited unit at Institut Pasteur in Cambodia
- Onsite trainings in each labs have demonstrated necessity and cost saving when equipment are well maintained and calibrated
- Kit of accredited instruments for calibration delivered to the labs
- Request from BMLS to plan to set up calibration units in 4 hospitals' lab participating in SEALAB



*Training and presentation of the kit of calibration in Takeo Lab*



# NATIONAL TRANSPORTATION SYSTEM



The process of formalization of the NTS should ensure **sustainability**:

- An initial survey involving 37 laboratories from human and animal health sectors
- Key stakeholders brainstormed to propose the design of the pilot phase
- 2,640 specimens transported during the pilot-phase, resulting in a quantity of data statistically significant
- Robust analysis performed by the Epi-Unit of IPC to ensure relevant recommendations
- National workshop resulting in a consensual proposal to guide a realistic and sustainable National Transportation System of specimens.



*The National Workshop in June 2023 brought together all key stakeholders*







# STRATEGY FOR VETERINARY LABS

Finalized draft of the Strategy Plan for NAHPRI. provide the actual vision and appropriate guidelines for veterinary laboratories' network

## Guarantees of sustainability:

- Participatory approach; Technical Working Group gathering all key stakeholders involved in animal Health
- Collaborative drafting involving external experts with long experience of working with NAHPRI and a team of experts at GDAHP
- Strategy tailored to the country context and development plan of lab network vs. using a standardized template
- Support of the Secretary of State at MAFF



*Working Group meeting on Strategy with  
H.E Hor Malin Secretary of State  
Dr Sor San Deputy Director General at GDAHP  
Dr Tum Sothyra Director of NAHPRI*



# NETWORKING



**Sustainability** of SEALAB project is linked with sharing, informing other stakeholders:

Networking has been reinforced:

- Between directors of lab Systems; the Director of BMLS and the Director of NCLE participated together in the 1th Advanced Course on Diagnostics (ACDx) organized by Fondation Merieux in France,
- Between lab managers; mission at CILM in Laos to better understand the process to accreditation
- Between stakeholders involved in lab strengthening and surveillance; FMx has developed close relationship with GIZ, CHAI, FHI and PSI
- Participation in regional workshops; presentation of SEALAB at OHSEA capitalization colloquium in Hanoi
- SEALAB website regularly updated to inform on the project implementation

