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PVS Pathway and One Health tools for efficient Veterinary Services
22 – 24 March 2023, Bangkok, Thailand

PVS Sustainable Laboratory Mission in Cambodia 2022

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Objectives

- **To support sustainability by developing potential options to assist countries to meet strategic goals**
 - Evaluate Veterinary Services' need for laboratory analyses
 - Evaluate the availability and cost of these analyses
- **To provide information needed by Veterinary Services for strategic decision-making:**
 - Resources needed by national veterinary laboratory network
 - Pertinence & viability of laboratory network in national context
 - Relationships with laboratory service providers
- **Mission team**
 - Dr. David Korcal, Team leader
 - Dr. Barbara Martin, Expert team member
 - Dr. Chris Morrissy, Expert team member
 - Dr. Pennapa Matayompong, WOAHA observer

Outcomes

- **Strengths**

- Competent and professional staff
- Governmental support for services
- Broad level of stakeholder support
- Diversified funding model
- Numerous training and workshop opportunities provided by partners
- Participation in one health initiatives
- Ability to attract national and international research projects
- Retention of government employees
- Student training program

- **Challenges**

- Dependence on funding from key stakeholders
- Succession planning
- Implementation of a ISO 17025 compliant Quality Management System (QMS)
- Implementation of a Laboratory Information System (LIMS)
- Implementation of a safety, biosafety and biosecurity program
- Emerging and re-emerging diseases
- Shortage of specialized staff

Requirements

1. Fully implement the LIMS
2. Fully implement an ISO compliant QMS
3. Determine the NAHPRI budgetary needs to ensure laboratory testing needed by GDAHP and MAFF related missions.
4. Compare salary and the average amount of per diem paid annually to each employee for field work (sample collection) and determine the compensation necessary to incentivize laboratory testing.
5. Ensure that equipment is certified and calibrated according to the manufacturers' instructions
6. Implement safety, biosafety and biosecurity programs
7. Develop and implement an updated strategic plan
8. Develop a succession plan which utilizes formal arrangements with universities to form rotations, internships, fellowships or mentorship programs

Strategic options

Benefits	Risks
<ul style="list-style-type: none"> Option 1: Status quo 	
Eliminate staff concern regarding change	Lose of donor funding
	Lose of experienced staff and leadership
	Decrease in disease surveillance
	Inability to staff and maintain existing and/or new laboratories
<ul style="list-style-type: none"> Option 2: Prospective demand 	
Increase capabilities of the laboratory	Sustainable budget to maintain new methods
Rabies twining project will help drive LIMS implementation	Decreased moral if not maintained
Opportunity for food safety testing	Sample collection and transportation issues
<ul style="list-style-type: none"> Option 3: Addition of 5 regional labs 	
Improve response through early disease detection	Sustainable budget to maintain and staff new laboratories
Build trust with farmers	Regional laboratory technical abilities not based on animal health needs
Increase sample submission to NAHPRI	Decrease coordination of laboratory oversight and control
Improve sample collection and transportation	
Reduce need for NAHPRI staff to collection samples	
<ul style="list-style-type: none"> Option 4: Nationally fund surveillance programs 	
Improve animal health	Sustainable budget to maintain surveillance programs
Improve public health	
Improve food security	
Improve opportunity for staff	
Improve laboratory stability	
Attract new staff	
Increase use of new laboratories	

THANK YOU

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Other information



This event is supported by the Australian Government

