PVS PATHWAY LABORATORY INITIATIVE

A.M. Nicola¹, E. Fermet-Quinet, M. Petitclerc, J. Lasley

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(1) OIE Reference Laboratory for Brucellosis, SENASA, Buenos Aires, Argentina.
Objectives

- To understand the **objectives** & **approach** of the PVS Pathway Laboratory Mission

- To know **which information** is necessary to conduct a successful PVS Pathway Laboratory Mission
As an OIE Expert, what do I need to know?

- Why a PVS Pathway Laboratory Tool & Mission?
- What is the difference between a Twinning Project and a PVS Laboratory Mission?
- How does the country request this treatment?
- How long does it take to implement a mission?
- How many experts are on each mission?
OIE PVS Pathway

is a **continuous process** aiming to **sustainably improve** compliance of Veterinary Services with **international standards and their sustainable efficiency**
As appropriate and at the request of the Member Country, a PVS Laboratory Mission ("treatment") would ideally follow the PVS Evaluation ("diagnosis") and Gap Analysis ("prescription") missions.
The PVS Laboratory Mission begins with the PVS Gap Analysis Report.
LAB 3 – II-1. Veterinary laboratory diagnosis

LAB 3 – II-2. Laboratory quality assurance

1. Specific objective (Critical Competency)
   The quality of laboratories (that conduct diagnosis testing or analysis for chemical residues, antimicrobial residues, toxins, or tests for biological efficacy, etc.) as measured by the use of formal QA systems including, but not limited to, participation in relevant proficiency testing programmes.

2. Result (Expected level of advancement)
   1. No laboratories used by the public sector VS are using formal QA systems.
   2. Some laboratories used by the public sector VS are using formal QA systems.
   3. All laboratories used by the public sector VS are using formal QA systems.
   4. All the laboratories used by the public sector VS and most or all private laboratories are using formal QA systems.
   5. All the laboratories used by the public sector VS and most or all private laboratories are using formal QA programmes that meet OIE, ISO 17025, or equivalent QA standard guidelines.

3. Strategy (if relevant)
The 2 central laboratories should use formal QA systems which should pave the way for ISO 17025

4. Activities to implement (chronological)

<table>
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<th>Specific activities</th>
<th>Organise quality assurance in the two central laboratories (estimated need on 24 weeks of international expertise and 10 months of specialised training during the next five years)</th>
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<td>III.2 Consultation</td>
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<td>IV.1, 2, 3. Legislation</td>
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<td>III.1 Communication</td>
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<td>III.3. Official representation</td>
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5. Objectively verifiable indicators (OIE PV S or specific)

- QA procedures in the 2 central laboratories
The PVS Gap Analysis & Laboratories

What it does

Analysis of the laboratory’s resources based on needs arising from the priorities defined in the previous pillars:

- **Trade** (e.g., specific programmes for zoning or compartmentalisation)

- **Animal health** (e.g., disease surveillance programmes, monitoring of vaccination efficacy, etc.)

- **Veterinary public health** (e.g., residue testing, food safety programmes, etc.)

Assessment of the number & types of laboratory analysis required for official programmes

Indicative operational budget for 5 years to enable VS to function appropriately

What it doesn’t do

Does not calculate the cost of the whole veterinary laboratory network

Is not a detailed and specialised study of each laboratory

Does not address strategic needs related to laboratories

Is not a fine analysis of the relevance of / need for a national laboratory network

The national laboratory network cannot be considered as a priority in a PVS Gap Analysis
WHY … A PVS PATHWAY LABORATORY TOOL & MISSION?
Why a PVS Pathway Laboratory Mission?

Outcomes of PVS Gap Analysis missions since 2008

- Little time devoted to laboratories / Short mission to address so many important issues
- Lack of laboratory expertise of PVS Gap Analysis Experts

Country teams have a desire to go further concerning laboratories

→ Main recommendation of PVS Gap Analysis reports: International expertise needed to assess the relevance / adequacy of the laboratory network

OIE’s response: Enhance the laboratory portion by building upon the PVS Gap Analysis
Despite decades of international assessments by external projects…

- **Huge investments in laboratories** as compared to VS
- **Most often focused on infrastructure** (i.e., construction), new equipment, costly consumables and technical training, **but rarely on management**
- **All too few over-arching strategies** & lacking mid- or long-term vision
- **Lack of specific focus** has led to extremely poor accessibility
- **Unsuitable and redundant structures**

➢ **To sum up, wasted resources**
Consequences

Out of proportion + Over-investment = Unsustainable fixed costs

Too much technology = paralysis

Spread too thin over too many areas of expertise

Service Not Delivered
DEVELOPMENT OF THE PVS PATHWAY LABORATORY TOOL
Objectives

- To define the strategic direction and framework of how to proceed with this enhancement

- To define the key next steps, process and associated timeline

- Ultimately, to concretely **define the methodology** and tools necessary for the pilot phase of the initiative
The Experts agreed that:

• Further development would focus on the laboratory function within the OIE PVS Pathway

• A structured data collection instrument(s) to support the process was essential, (PVS Gap Analysis)

• To evaluate the functioning of the veterinary laboratory network

• The needs of the National Veterinary Services, (compliance with international standards).

• Both good laboratory management and adjusting to markets are too often neglected

• The basic concepts of “supply and demand”
Outputs of the Expert Group

- PVS Pathway Laboratory Mission Manual
- GUIDELINE Terms of reference
- Demand Tool
- PVS Gap Analysis mission
- Supply Tool
- Laboratory Services
- Laboratory Budget
- Calculation Tool & Analytical Line Tool
- Report Template
OBJECTIVES, APPROACH, OUTPUTS & OUTCOMES
Over-arching Objectives

Note: the objective is specifically *not* to:

- evaluate technical capacity
- evaluate technical efficiency
- suggest technical improvements
- to dramatically change national priorities
Approach

1. Analyse the current & prospective demand

2. Analyse the existing supply

3. Present a range of sustainable management, organisational, budgetary and financial solutions
Approach

DEMAND TOOL

1
Analyse the current & prospective demand

- Review data sent in advance by country
- Review PVS Evaluation & Gap Analysis Report
- Current & prospective laboratory activity/tests
- Estimate numbers / types of tests
- Geographical distribution of demand
- Various costs involved in analysis
Approach

2
Analyse the existing offer (supply)

Existing capacity to supply analyses
(*national vet lab infrastructure + public/private sector*)

Potential capacity to enter new markets to enhance investment of laboratory function
Approach

3
Present range of sustainable management, organisational, budgetary and financial solutions

Includes different strategic options and their costs to assist decision-making about management of national laboratory network

Includes the possible delegation of analyses to private sector or Reference Laboratories
OIE PVS Pathway Laboratory Missions
General / Guiding Principals

Following a official requests from the OIE Delegate or upper decision maker (voluntary basis)

External independent team of experts (objectivity), including one Team Leader

Mission

Report

Reviewed by the OIE and commented by the country

Country property (confidentiality of results)

Using standardised Tools - Manual
Final Report to Veterinary Services

- Estimate of the demand for & cost of laboratory analyses for next 5 years
- Estimate of the current supply of laboratory analyses, including future prospects for potential new markets
- Proposals of sustainable management and organisational solutions of the national veterinary network
- Estimates of human, physical and financial resources needed for the implementation of the best solutions adapted to the national veterinary network
- Evaluation of the total cost of the national laboratory network, compared to known resources & budget allocations
Outcomes

Veterinary Services’ decision-makers ➔ better understanding

- Current & prospective national lab analysis demand
- Total cost of national lab network & analyses
- Sustainable ways to make lab network function a more coherent investment
- How to allocate/advocate for sufficient resources for accurate & timely diagnosis of priority animal diseases & veterinary public health issues
Pilot Missions

Lao PDR
- 28 Oct – 5 Nov 2012
- Mission Team
- 4 experts

Tanzania
- 5 - 19 May 2013
- Mission Team
- 2 experts

Libya
- 8 - 18 Dec 2013
- Mission Team
- 2 experts

Tunisia
- 24 Mar – 4 Apr 2014
- Mission Team
- 3 experts
Thank you!