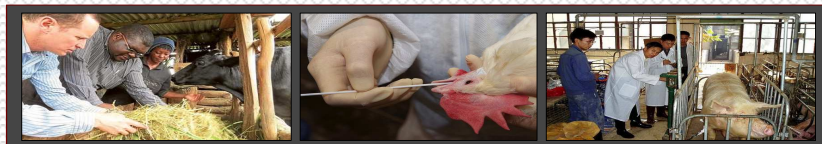


Field Missions of OIE VPP *ad hoc* Working Group

WAVLD 2019 Meeting

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Associate Director, IIAD
Texas A&M University

OIE Member Country Survey and Curricula Programme Analysis



OIE Member Country Survey Overview

- 31 questionnaires provided to OIE Member Countries
 - All OIE regions represented
 - 77% respondent rate
- Survey questionnaire included 6 questions related to VPPs in the following categories
 - Roles
 - Recognition
 - Education and training
 - Experts



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Initial Curricula Programme Analysis

- All OIE regions represented except the Middle East Region
- Assessment of country curricula across developed Spheres of Activity (SOA)
- Animal Health/Veterinary Public Health
 - 18 countries (23 VPP curricula)
 - Range from 6 months – 4 years
- Laboratory
 - 6 countries (6 laboratory curricula)

1. How many Spheres of Activity does a curriculum address overall?
2. How many competencies within each Sphere of Activity does a specific curriculum address?
3. Which specific Spheres of Activity and competencies are most common in each track?
4. Are there Spheres of Activity or competencies that a curriculum does not address?
5. What are the characteristics (i.e., course length, contact hours, classroom vs field work, etc.) of each curriculum?



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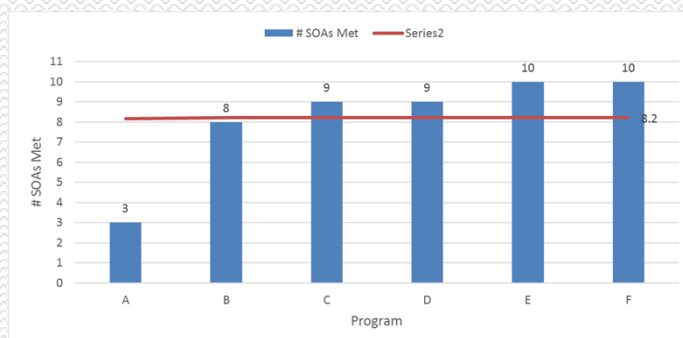
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Curricula Programme Analysis Results: Programme Level

Analysis Question:

- How many Spheres of Activity does a curriculum address overall?

Laboratory Track - # SOAs by OIE Member Country Programme



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Curriculum Programme Activity *Spheres of Activity: Laboratory*

Analysis Questions:

- Which specific Spheres of Activity and Competencies are most common in each track?
- Are there Spheres of Activity or Competencies that a curriculum does not address?

Laboratory: SOAs Addressed in Secondary Sample (n=6)

Sphere of Activity	Frequency	Percentage
SOA 2: Laboratory Science	5	83%
SOA 3: Biosafety, Biosecurity and Occupational Health and Safety	6	100%
SOA 4: Communication	5	83%
SOA 5: Veterinary Legislation, Policies and Ethics	2	33%
SOA 6: Equipment and Infrastructure Management	5	83%
SOA 7: Animal Handling and Animal Welfare	0	0%
SOA 9: Specimen Collection and Sampling	5	83%
SOA 10: Laboratory and Field Testing	5	83%
SOA 11: Quality Management	5	83%
SOA 12: Workflow Management	5	83%
SOA 13: Record Keeping, Data Collection and Management	6	100%



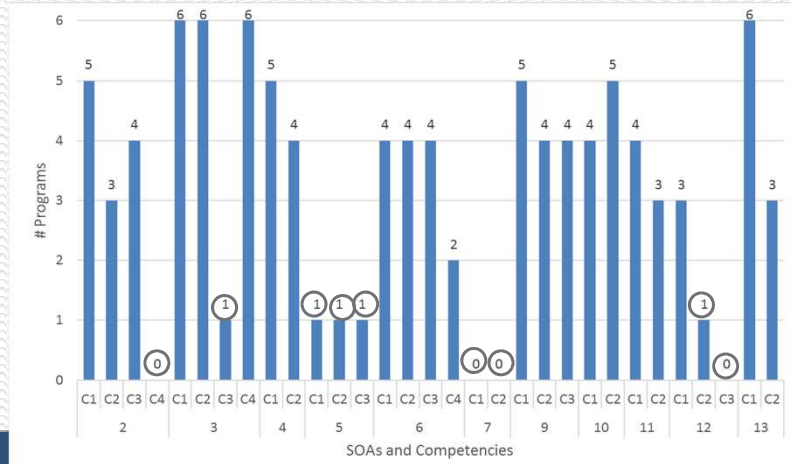
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Curricula Programme Analysis Competencies: Laboratory

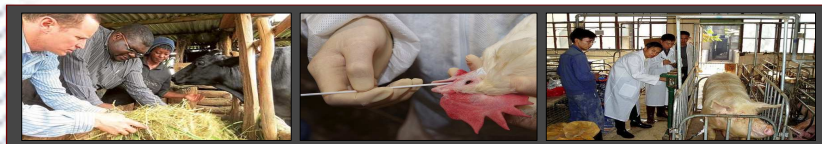
Competencies: Laboratory

Laboratory: Competency Frequency in Sample



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In-Country Field Missions



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Mission Objectives

1. Validate the OIE veterinary paraprofessional (VPP) draft curricula guidelines against observations of established programs in OIE Member Countries across different OIE regions
2. Conduct a curriculum crosswalk of 3 VPP training programs in Member Countries and cross reference or align the learning outcomes of included courses to the OIE VPP draft curricula guidelines
3. Gather feedback from VPP training program participants (faculty, graduates, and current students) to understand attitudes and feedback regarding current curriculum content, perceived competencies of program graduates, and the balance of classroom and field instruction



Methodology: Curriculum Alignment Matrix

1. Curriculum Alignment Matrix (CAM) Exercise
 - a. Crosswalk each VPP training program course against OIE VPP draft curricula guidelines
 - i. Initial crosswalk completed based on desk review of course descriptions and then validated via interviews with faculty
 - b. Use data to populate a Curriculum Alignment Matrix
 - i. Completed Matrix will illustrate the “match” and gaps existing between VPP training programs and the OIE VPP draft curricula guidelines



Methodology – Curriculum Alignment Matrix

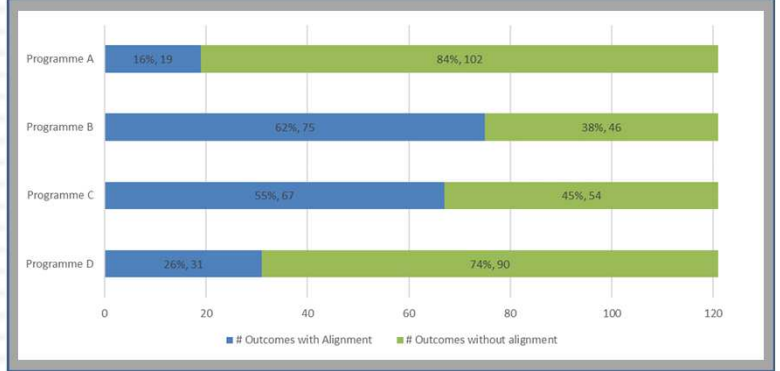
Example: Curriculum Alignment based on sample curriculum*

Units	Learning Outcomes	Courses	# Occurrences	IC21106 (Companion Animal Health)	IC21107 (Introduction to Clinical Companion Therapy)	IC21108 (Development Studies Companion Animal Health)	IC21109 (Reproductive Science)	IC21110 (Nutritional Science)	IC21111 (Fundamentals of Animal Health)	IC21112 (Biotechnology)	IC21113 (Biostatistics)
				0	0	1	0	2	2	0	1
Nutrition, husbandry, housing and welfare	Describe housing systems of major importance for animal production.		0								
	List and identify the different breeds of species and their production characteristics.		0								
Production management	Describe the main and extra nutrition necessary to provide proper nutrition to various animal species.		1		1						
	Identify the main and extra nutrition and extra management factors.		2				1	1	5		
	Describe common nutritional deficiencies and their clinical conditions.		0								
	Identify the practical application of the principles of reproductive medicine for the profitable management of various animal production systems.		0		6						
Herd economics	Describe the main and extra nutrition and extra management factors.		1				1				
	Describe market trends for commodities produced in different animal production systems.		0								1
Welfare and reproduction	Identify and describe the important nutrition factors that farmers should carry out to ensure the welfare health and productivity of their animals.		1						1		
	Identify and describe the important nutrition factors that farmers should carry out to ensure the optimal reproductive performance of their animals.		8			8					
Use of diagnostic tests and control strategies	Describe how vaccination prevents disease.		1								1
	Explain the relationship between the balanced immune response and diagnostic evidence.		0								
Control of zoonotic diseases	Identify and distinguish between the main categories of zoonoses, which cause diseases in humans.		0								

Courses from Member Country Curriculum
Cells filled in to indicate alignment

Curriculum Alignment Matrix

Alignment with OIE Curricula Guidelines for Laboratory – All Programmes



Implications

- Based on alignment exercise, the OIE Draft Curricula guidelines were deemed valid by the *ad hoc* Group, with amendments.
- Feedback from surveys was considered in finalizing the Guidelines
- *OIE Curricula Guidelines for Veterinary Paraprofessionals* was published in May 2019

