# Needs Assessment for National Wildlife Health Programs

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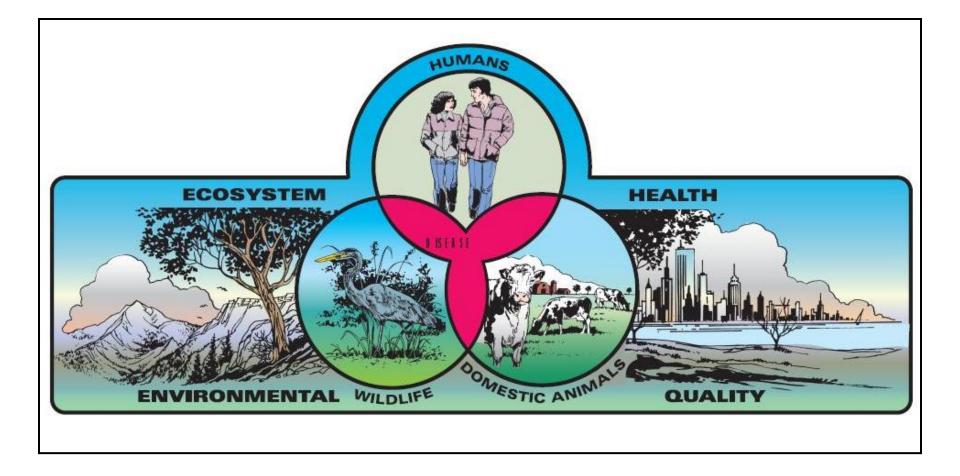
### **Emerging Infectious Diseases**

Global environment favoring the emergence of infectious diseases Many emerging disease threats to human, animal and ecosystem health are of wildlife origin





### One Health Approach



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## **Proposed attributes of national wildlife health programmes**

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Diagnostic Services Epidemiology Health Information Management Coordination Communication Program Management

### **Components of Surveillance and Management**

#### Detection of pathogens and diseases

 Network of people who are likely to encounter dead or sick, wild animals and collect samples

## Identification of pathogens

 Laboratory and personnel experienced with wildlife pathogens

## Information management

 Data storage and standards

### Analysis and communication

 Information relayed to those who can take action (e.g., disease management and prevention)



#### ZUSGS

#### Needs Assessment for National Wildlife Health Program

	Needs Assessment for National Wildlife Health Program					
Theme/Function	Infrastructure and Canabilities	Current State (Describes the program as it currently exists)	current state: 1) None; 2) Nascent/early; 3) Emerging; 4)	Future Desired State (Describes the future program as directed by institutional and national programmatic goals and objectives)	Gaps and Needs	
Diagnostic:	Diagnostic Laboratory System:					
<ul> <li>Cause of death determination</li> <li>Pathogen discovery</li> <li>General disease surveillance</li> </ul>	<ul> <li>Pathology</li> <li>Diagnostic</li> <li>Microbiology,</li> <li>Virology,</li> <li>Parasitology,</li> <li>Toxicology</li> <li>Biological</li> <li>Support</li> <li>Biosafety</li> <li>Quality</li> <li>Management</li> </ul>					
<ul><li>Epidemiology:</li><li>Outbreak</li></ul>	Applied Epidemiology: • Statistical capabilities • Outbreak investigation • Hazard					

### **Needs Assessment Process**

- Team of experts reviews of strategic plans, risk assessments, and other relevant documents
- Interviews with key partners and stakeholders: users of the program
- Interviews with key personnel who deliver the program
- Site visit to core facilities, etc.



### **Needs Assessment Process**

## <u>Metrics for assessment of the current state of the</u> <u>capabilities:</u>

- 1. None = no capacity exists
- 2. Nascent/early = basic or rudimentary capacity exists
- 3. Emerging = basic capacity exists and plans in place for further expansion
- 4. Expanding = basic capacity exists, and new capabilities are currently being added/expanded
- 5. Mature = capacity is at the level to meet agency needs

### **Needs Assessment Process**

- As no international standards for wildlife health have been established, the needs assessment tool assesses the program's ability to meet the country's goals regarding wildlife health
- Important that these goals have been established for the tool to be effective



# **Final Report**



Summary of the main findings



Identification of priority gaps and needs

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Recommendations for next steps



Co-create training and capacity building activities as desired

## Pilot Project: Thailand National Wildlife Health Center



## Pilot Project: Rwanda Development Board



# Thank You

# Questions

