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SEACFMD Laboratory Network Meeting

Current FMD Laboratory Activities in Philippines

*Dr. Rachel Azul
Head, Animal Disease Diagnosis
and Reference Laboratory*

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Description of any FMD surveillance activities over the past 3 years:

List FMD surveillance activities over the last 3 years:

1. Annual/Bi-annual Risk-based Serosurveillance

Species	CY 2020	CY 2021	CY 2022	CY 2023 As of Aug 2023
Swine	508	737	1,764	448
Bubaline	180	204	763	196
Bovine	255	484	715	329
Ovine	0	19	118	35
Caprine	305	594	814	290
Total no. of samples tested	1,248	2,038	4,174	1,298

All samples are negative for FMDV antibodies



List FMD surveillance activities over the last 3 years:

2. Issuance of policy on Updating the Mandatory Sample Submission for FMD

Objective: To maximize resources while ensuring greater sensitivity in detecting suspect cases to increase confidence in disease freedom

The FMD sample submission shall be according to the overall level of risk of the province:

- Low Risk areas are exempted
- - Medium Risk areas shall submit serum samples once a year (Oct.)
- - High Risk areas shall submit serum samples twice-a-year (May and October)

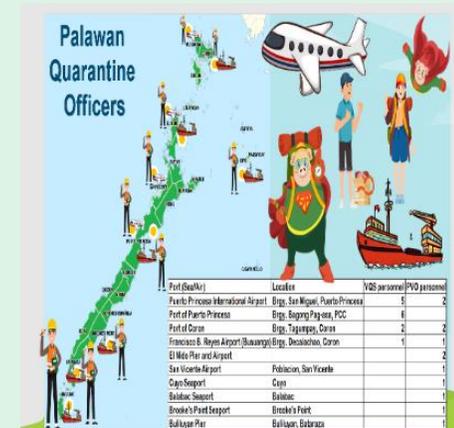




List FMD surveillance activities over the last 3 years:

3. Animal Movement Management

- Entails regulation of both domestic and international livestock transport and trade
- BAI created a Risk Analysis (RA) Unit to support, among others, trade issues of live animals and their products and by-products as well as animal health interventions for disease control and prevention
- Strengthening of border control measures is deemed to be very crucial :
 - ✓ include inspection at airports and seaports
 - ✓ inspection of hand-carried meat products
 - ✓ confiscation of goods without SPS Import Clearance and
 - ✓ establishment of checkpoints in strategic regional boundaries (133)





List FMD surveillance activities over the last 3 years:

- Beefing up our surveillance activities in (Mindanao) Balut Island in Saranggani- high level of risk (ease of access and frequency of trips) because of its close proximity to FMD endemic countries
- Collaboration with the Food and Agriculture Organization's ECTAD program in the conduct of a table simulation exercise, retooling of FMD frontliners, and meeting with the FMD regional and provincial coordinators in Mindanao by the last quarter of this year.





Description of any FMD surveillance activities over the past 3 years:

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List FMD surveillance activities over the last 3 years:

4. Biosecurity measures

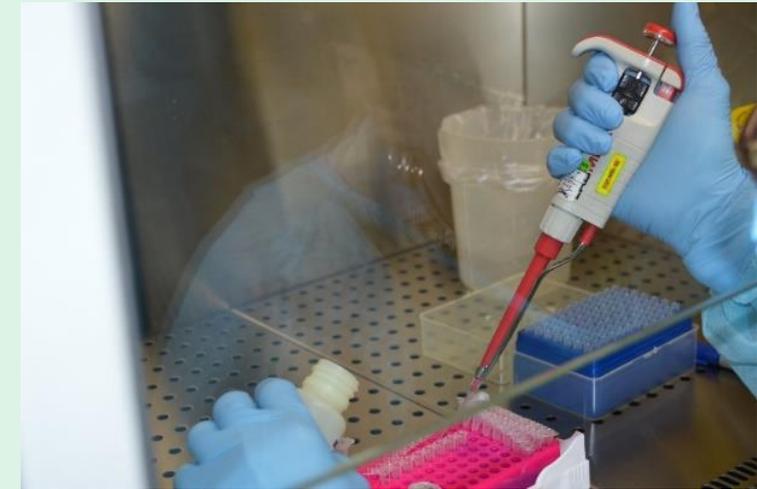
- installation of foot mats in airports and disinfection of vehicles at checkpoints
- use of semi-automatic wall mounted disinfection system
- enzyme treatment processing of seized meat is being done in major ports in Manila
- Compliance with biosecurity measures is one of the requirements of BAI farm registrations





FMD diagnostic laboratory preparedness and activities to strengthen emergency response:

- Establishment of real time PCR for nucleic acid detection of FMD and its differential
- Participation in 2023 Foot-and-Mouth Disease (FMD) Proficiency Testing Scheme (PTS) by FAO World Reference Laboratory for FMD
- Establishment of the Cold Examination Facility in Agriculture (CEFA) - which will house state-of-the-art laboratories for the examination of all imported agricultural commodities at the airport and seaports (FMD testing e.g. hand carried meat products)
- BAI Veterinary Technical Advisory Committee has been in coordination with a vaccine manufacturer which offers the services of a vaccine bank and antigen bank





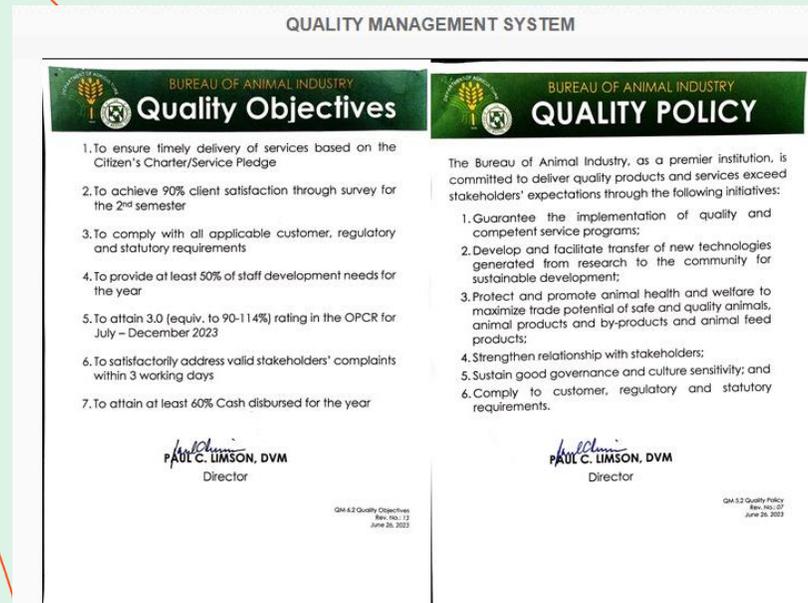
Proficiency testing during the past 5 years

Type of test	Type of programme	Organiser	Participating date/year
ELISA-NSP	Interlaboratory comparison testing program for for FMD serology	(OIE) WOAHA	2015 (more than 5 years)
ELISA NSP	Interlaboratory comparison testing program for for FMD serology	(OIE) WOAHA	2016 (more than 5 years)



Qualification ISO/17045 or other

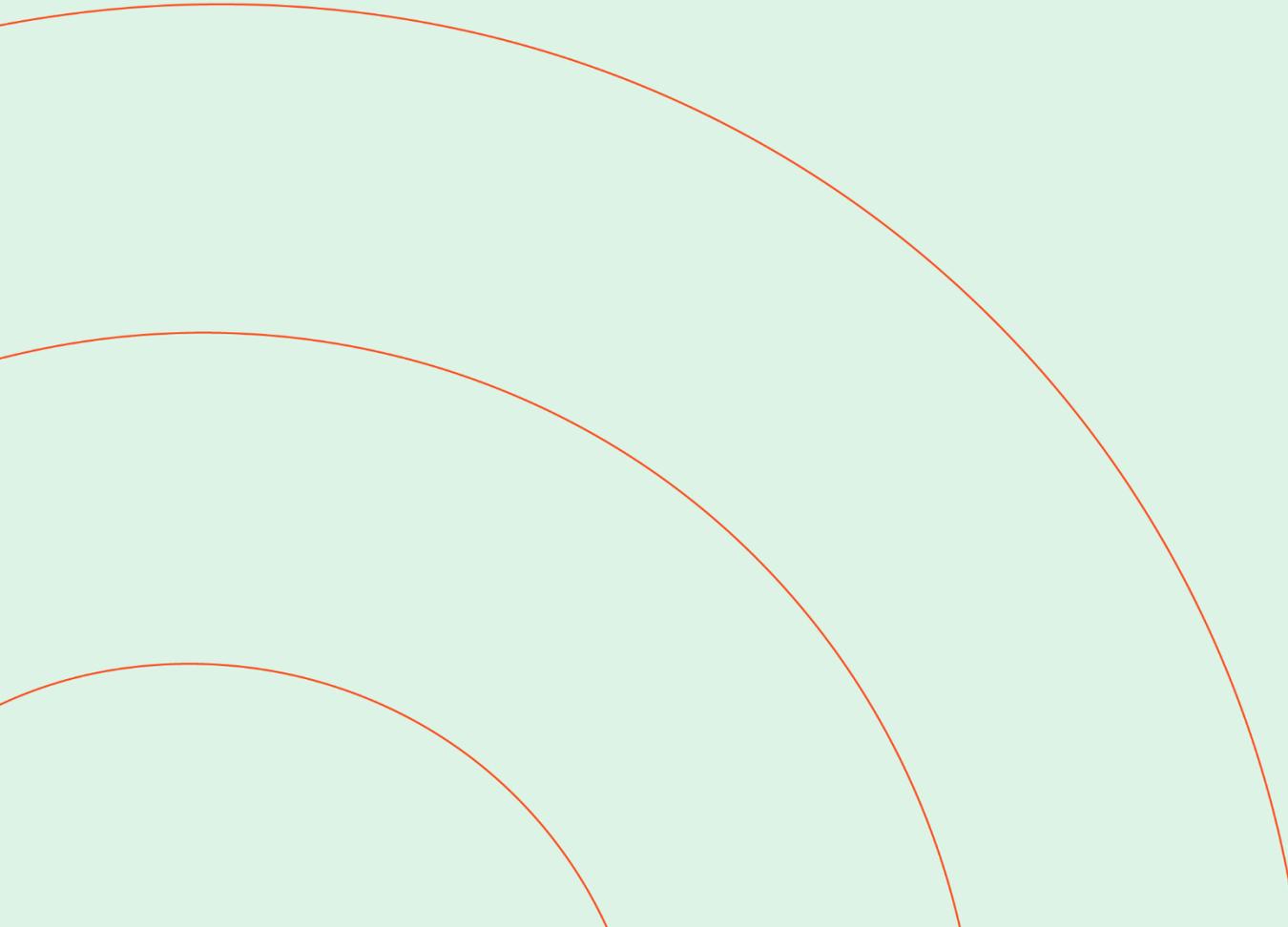
Framework	Assured Organisation	Participating date/year
ISO 9001:2015	TUV SUD Philippines  (Technischer Überwachungsverein/ Technical Inspection Association)	Since 2019 (Bureau of Animal Industry)





FMD Research activities conducted in last 3 years:

None





Challenges:

- Overdue review and revision of the FMD EPP in order to equip, strengthen capacities and level of preparedness of the veterinary workforce in order to adequately respond to inadvertent FMD incursion
- FMD surveillance activities are sidelined by efforts towards ASF and AI control
- Limited ELISA NSP kits/ reagents for qPCR in case of incursion
- Establishment of capability to conduct FMD differential diagnosis / lack of reagents
- FMD testing only available at national laboratory

Way forward:

- Review and Revision of the FMD Emergency Preparedness Plan
- Implementation of synergies between FMD and other Animal Health Programs to maximize resources
- Preparation and submission of letter-request for funding to the Department of Budget for FMD emergency vaccination
- Coordination with the BAI Regional and NAIA Veterinary Quarantine Officers
- Updating of the List of Regional and Provincial FMD Coordinators for distribution of the FMD Information cards
- Improve capacity to conduct differential diagnosis for FMDV
- Capacitate regional laboratories on FMD testing



Challenges:

- Logistical problem in the submission of samples to the National FMD laboratory
- Most of the new and young field personnel are no longer familiar with FMD
- Unhampered smuggling of meat and meat products

Way forward:

- Orientation and re-tooling of field personnel nationwide on disease recognition and diagnosis
- Strengthening of surveillance activities in Mindanao
- Construction of the first Cold Examination Facility in Agriculture (CEFA)
- Enhance diagnostic capability for FMDV diagnosis e.g. serotyping/sequencing thru training



Thank You