


# Regional Training Seminar for WOAH National Focal Points for Veterinary Laboratories (cycle III)

8 - 10 July 2025, Gaborone, Botswana







# From Laboratory Twinning Candidate to WOAH Reference Laboratory for CBPP: setting and achieving goals

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# Introduction

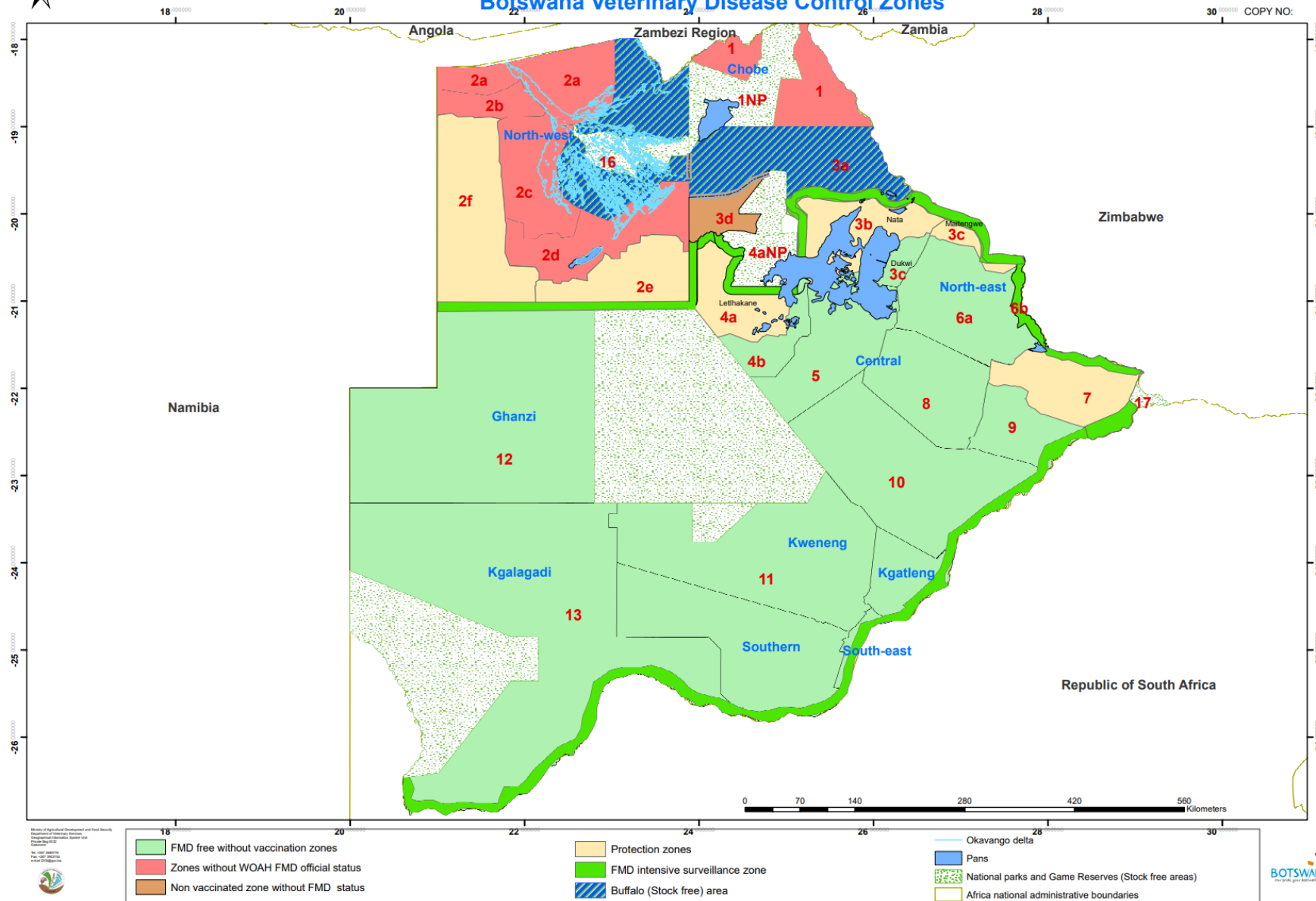
- Botswana had a CBPP outbreak in 1995
- The 'Stamping Out' Policy was adopted in 1996 and 320 000 cattle were slaughtered
- Farmers were compensated with cash or cash+cattle
- It is estimated that the eradication exercise cost US\$97.5 million
- At the time the Botswana National Veterinary Laboratory (BNVL) did not have the capacity to test for CBPP
- The outbreak was confirmed by regional laboratories (Namibia, South Africa) and a local laboratory, Botswana Vaccine Institute (BVI)
- IZS Teramo assisted with serology testing for surveillance activities
- Botswana declared free of CBPP by WOAHA in 1997



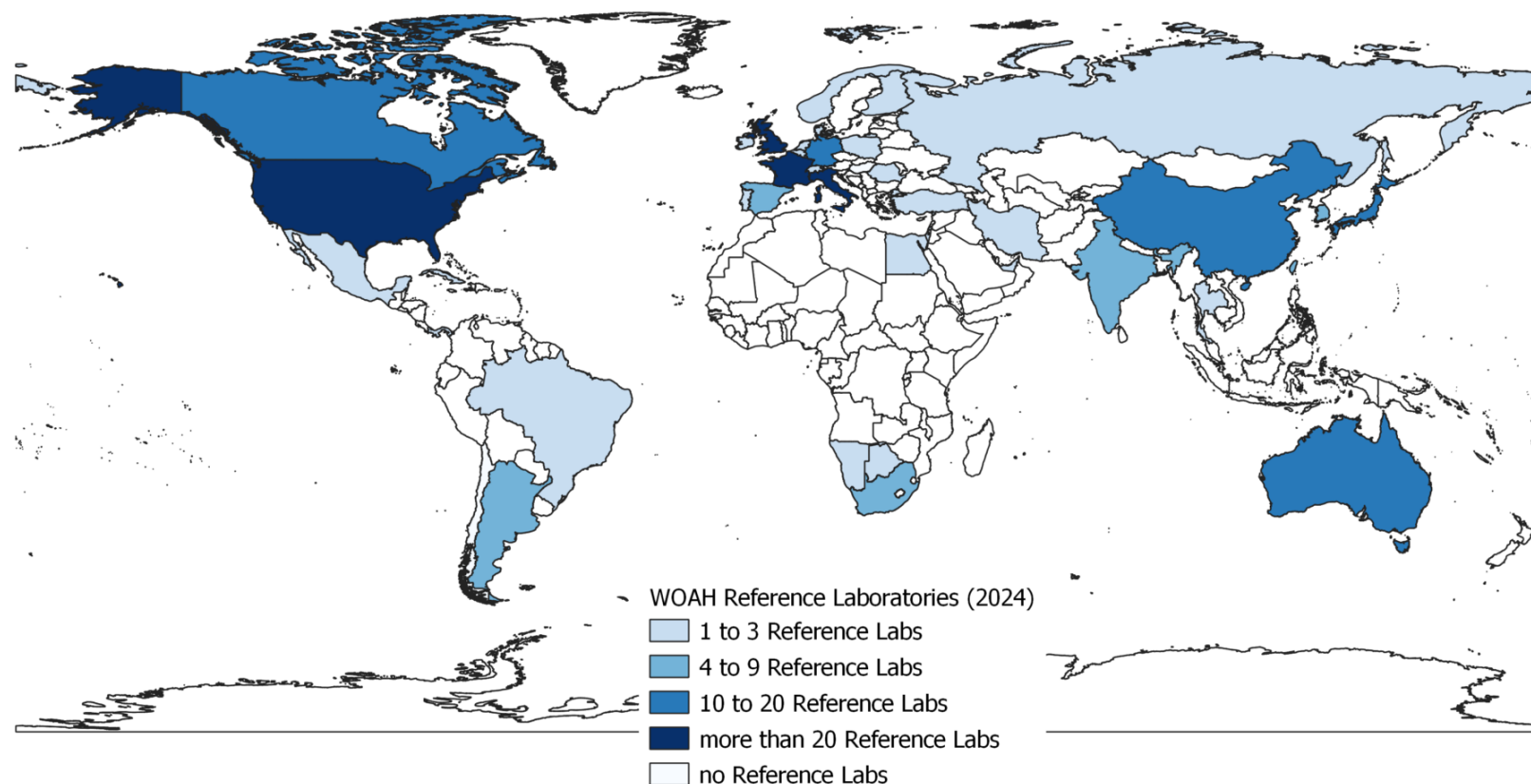
## Botswana Veterinary Disease Control Zones

Doc: DVS MAP- 004  
Revision: 05  
Date: 10 May 2024

COPY NO:



## World Distribution of WOAH Reference Laboratories

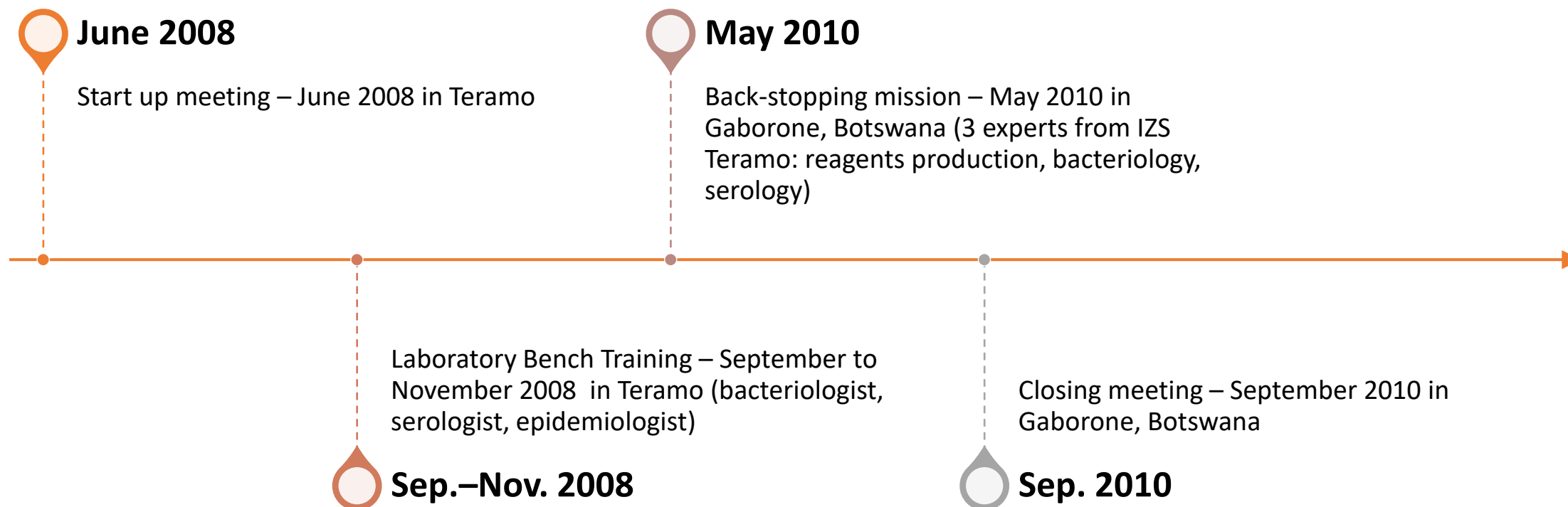


- WOAH Laboratory Twinning Programme was created in 2006 to promote an even global distribution of laboratory expertise in the domaine of animal health
- Strategy to improve global capacity for disease prevention, detection and control, through capacity building and networking

# Pre-Twinning 2008

- CBPP tests available at BNVL:
  - Histopathology
  - Serology (CFT, cELISA)
- Serology CFT accredited
- The Twinning Project for CBPP between BNVL and IZS A&M started in 2008 and ended in 2010; the objectives were:
  - Production of reagents for the serological testing
  - Isolation and identification procedures of the aetiological agent
  - Disease pathology and differential diagnoses
  - Conducting epidemiological surveillance

# During-Twinning



# Post-Twinning Achievements

- New CBPP diagnostic tests introduced
  - Culture and isolation (media production)
  - PCR
- Developed capacity to produce CBPP antigen for CFT
- Ability to organise ring-trials (Proficiency Testing) for CFT and PCR
- Improved implementation of serological surveillance
- Status of WOAHA Reference Laboratory for CBPP in 2012
- Coordinator of SADC CBPP Scientific Network (Angola, Botswana, Namibia, Zambia) – AU-IBAR sponsorship in 2015
- Coordinator of ERFAN CBPP Working Group – WOAHA sponsorship in 2019 (4years)





# Post-Twinning Challenges

- Some intended capacities of the CBPP Twinning Project not achieved
  - Haemolysin and complement production for CFT
  - Immunoblotting test
- Sustainability of antigen production
- Sustainability of ring-trial activities (CFT and PCR)
- Local recognition and appreciation of the demands of a WOAHA Reference Laboratory
- Lack of or very low research output for CBPP
- Retention of critical personnel

Performance of SADC Labs – CBPP Ring Trial (CFT)

Year	No. Participants	% Satisfactory Performance
2010	4	50%
2011*	4	50%
2012	4	50%
2013*	4	100%
2014*	3	100%
2015*	5	100%
2022	4	100%



A scenic view of a wetland or marsh area. In the foreground, there are tall, green and brown grasses. A body of water is visible in the middle ground, reflecting the sky. Several dead, bleached tree trunks are scattered in the water. In the background, there is a dense line of green and brown vegetation. The sky is a clear blue with a few small, white clouds. The text "Thank you" is overlaid in the center of the image in a white, sans-serif font.

Thank you