

WOAH Reference Laboratory Reports Activities 2022

Activities in 2022

This report has been submitted : 24 avril 2023 16:38

Laboratory Information

Name of disease (or topic) for which you are a designated WOA Reference Laboratory:	Contagious Bovine pleuropneumonia
Address of laboratory:	Via Campo Boario, 64100 Teramo
Tel.:	+3908613321
E-mail address:	m.scacchia@izs.it
Website:	www.izs.it
Name (including Title) of Head of Laboratory (Responsible Official):	Dr Nicola D'Alterio -Director General
Name (including Title and Position) of WOA Reference Expert:	Massimo Scacchia DVM, Head of Cooperation Office at IZS Teramo, Italy
Which of the following defines your laboratory? Check all that apply:	Governmental

TOR1: DIAGNOSTIC METHODS

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

Yes

Diagnostic Test	Indicated in WOA Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
CFT	Yes		46
Direct diagnostic tests		Nationally	Internationally
WGS	No		34

TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOA?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TESTING	PRODUCED/ IMPORTED	QUANTITY SUPPLIED NATIONWIDE (ML, MG)	QUANTITY SUPPLIED AT INTERNATIONAL LEVEL (ML, MG)	NAME OF BENEFICIARY WOAHP MEMBER COUNTRIES
---------------------------	----------------------------	--------------------	---------------------------------------	---	--

3. Did your laboratory supply standard reference reagents (nonWOAH-approved) and/or other diagnostic reagents to WOAHP Members?

No

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHP Members?

No

TOR3: NEW PROCEDURES

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

No

7. Did your laboratory validate diagnostic methods according to WOAHP Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

No

9. Did your laboratory validate vaccines according to WOAHP Standards for the designated pathogen or disease?

No

TOR4: DIAGNOSTIC TESTING FACILITIES

10. Did your laboratory carry out diagnostic testing for other WOAHP Members?

Yes

NAME OF WOAHP MEMBER COUNTRY SEEKING ASSISTANCE	DATE	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES
IRAN	2022-04-01	NGS	31	
ETHIOPIA	2022-06-01	NGS		3

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHP Member?

Yes

NAME OF THE WOAHP MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
BOTSWANA	Networking on CBPP, with WOAHP CBPP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia

	research	
ZAMBIA	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
TANZANIA	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
NAMIBIA	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
SENEGAL	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
MAURITANIA	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
ETHIOPIA	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
	Networking on CBPP, with WOAHP Reference Laboratory in Gaborobe and	ERFAN - Enhancing Research for Africa Network; CBPP Working

SUDAN	African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
ANGOLA	Networking on CBPP, with WOAHP Reference Laboratory in Gaborone and African Veterinary Institutions in order to; Improve diagnostic activities, carry out technical training and stimulate scientific research	ERFAN - Enhancing Research for Africa Network; CBPP Working Group, 2 online meetings and 1 meeting in presence at CVRI-Zambia
ANGOLA	Support of WOAHP Reference Laboratory to carry out pathological studies and collection of biological materials from about 400 infected cows at the slaughterhouse	Meetings online preparatory for slaughterhouse activities

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAHP Members other than the own?

Yes

Title of the study	Duration	PURPOSE OF THE STUDY	PARTNERS (INSTITUTIONS)	WOAH MEMBER COUNTRIES INVOLVED OTHER THAN YOUR COUNTRY
AMR in Mmm strains. Master Research study	2 years	Study AMR in Mmm strains isolated in Tanzania	BNVL Gaborone, Veterinary School of Pretoria ZAR, Tanzanian Veterinary Laboratory Agency	BOTSWANA
AMR in Mmm strains. Master Research study	2 years	Study AMR in Mmm strains isolated in Tanzania	Pretoria ZAR, Tanzanian Veterinary Laboratory Agency	TANZANIA
AMR in Mmm strains. Master Research study	2 years	Study AMR in Mmm strains isolated in Tanzania	Pretoria ZAR, Tanzanian Veterinary Laboratory Agency	SOUTH AFRICA

TOR6: EPIZOOLOGICAL DATA

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

The WOAHP Reference Laboratory for CBPP in Teramo has always supported WOAHP member countries with epidemiological studies, analysing data on the prevalence and incidence of CBPP in their countries. No such epidemiological support was requested in 2022.

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

In agreement with member countries that have provided data on CBPP in their countries. Normally this activity gives the opportunity to write publications together with African colleagues. No such epidemiological support was requested in 2022.

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

1

"CBPP ERFAN Working Group meeting", Lusaka, Zambia, 26-28 July 2022, with presentation "WOAH Reference Laboratory for CBPP, Teramo";

c) National conferences:

3

3 editions of CBPP training course consisting of nr 3 presentations on: The Disease, Pathological Lesions and Differential Diagnosis and a film on CBPP Clinical symptoms. Course for Veterinary Officers of the Italian National Health Service. 333 participants.

d) Other (Provide website address or link to appropriate information):

3

ERFAN Website www.erfan.it ; ERFAN Facebook; ERFAN Instagram

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAH Members?

Yes

a) Technical visit :

b) Seminars :

c) Hands-on training courses: 4

d) Internships (> 1 month)

Type of technical training	Country of origin of the expert(s)	No. participants from the
----------------------------	------------------------------------	---------------------------

provided (a, b, c or d)	provided with training	corresponding country
c	Ethiopia	4

TOR8: QUALITY ASSURANCE

18. Does your laboratory have a Quality Management System?

Yes

Quality management system adopted	Certificate scan (PDF, JPG, PNG format)	
ISO 17025	pdf	Certificato Accredia ISO17025_202001.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
CFT FOR CBPP	ILAC-ACCREDIA
PCR-RFLP	ILAC-ACCREDIA

20. Does your laboratory maintain a "biorisk management system" for the pathogen and the disease concerned?

Yes

At IZS in Teramo there is in place a Bio-risk management system. Samples and strains are managed in BSL-2 facilities and Mmm strains are stored in a biobank located in a restricted area with controlled access.

TOR9: SCIENTIFIC MEETINGS

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAHP?

Yes

NATIONAL/ INTERNATIONAL	TITLE OF EVENT	CO-ORGANISER	DATE (MM/YY)	LOCATION	NO. PARTICIPANTS
International	CBPP ERFAN Working Group meeting	BNVL-WOAH RL Botswana and CVRI Zambia	2022-07-26	Lusaka-Zambia	

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAHP?

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
CBPP training course on: How to recognise the disease	2022-01-25	ONLINE	Speaker	nr 3 presentations on: CBPP, The Disease; CBPP, Pathological Lesions; CBPP Differential Diagnosis and 1 film on CBPP Clinical symptoms . 111 VOs attendees
				nr 3 presentations on:

CBPP training course on: How to recognise the disease	2022-02-08	ONLINE	Speaker	CBPP, The Disease; CBPP, Pathological Lesions; CBPP Differential Diagnosis and 1 film on CBPP Clinical symptoms . 111 VO attendees
CBPP training course on: How to recognise the disease	2022-02-15	ONLINE	Speaker	nr 3 presentations on: CBPP, The Disease; CBPP, Pathological Lesions; CBPP Differential Diagnosis and 1 film on CBPP Clinical symptoms . 111 VO attendees

TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES

23. Did your laboratory exchange information with other WOAHP Reference Laboratories designated for the same pathogen or disease?

Yes

24. Are you a member of a network of WOAHP Reference Laboratories designated for the same pathogen?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS/ ORGANISING WOAHP REF. LAB.
ERFAN Network	ORGANISER	2	WOAHP RL FOR CBPP BNVL BOTSWANA WOAHP RL FOR CBPP IZS TERAMO ITALY

25. Did you organise or participate in inter-laboratory proficiency tests with WOAHP Reference Laboratories designated for the same pathogen?

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAHP REF. LABS/ ORGANISING WOAHP REF. LAB.
CFT for CBPP	Participant	8	2

26. Did your laboratory collaborate with other WOAHP Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

Yes

TITLE OF THE PROJECT OR CONTRACT	SCOPE	NAME(S) OF RELEVANT WOAHP REFERENCE LABORATORIES
ERFAN Project	Have an active network of African and Italian Veterinary Institutions working together on CBPP following WOAHP indications	WOAHP RL FOR CBPP BNVL BOTSWANA WOAHP RL FOR CBPP IZS TERAMO ITALY

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAHP Reference

Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons ¹	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Region(s) of participating WOAH Member Countries
CFT for CBPP	Participant	8	Africa Europe

TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOA?

29. Additional comments regarding your report:

Yes

ERFAN Project nr. 35 partners; nr. 4 WOAHL and 2 WOAHL CC involved; nr. 18 countries involved.

In 2022 nr. 6 funded research projects (PhD, Master and SSRC); nr. 37 funding opportunities presented to ERFAN partners by the Secretariat; nr. 23 research project proposals presented by partners to the Secretariat including PhD and Master projects; nr. 3 web platforms activated; nr. 2 social network profiles activated; Working Group Meetings: organised 10 online meetings and 12 face-to-face meetings (no. 146 participants); nr. 42 SOPs and schemes of work shared.

WOAH Twinning Project on CBPP with the Animal Health Institute in Sebete: Carried out the following activities:

nr. 1 WOAHL expert Audit visit at the AHL, April 2022;

nr. 4 Study visits by AHL technical staff to the WOAHL Reference Laboratory, June-July 2022;

nr. 5 Zoom platform meetings to verify the project status after the training periods spent in Teramo, November 2022.