WOAH Reference Laboratory Reports Activities 2023

Activities in 2023

This report has been submitted : 5 juin 2024 18:15

Laboratory Information

Name of disease (or topic) for which you are a designated WOAH Reference Laboratory:	Bluetongue
Address of laboratory:	via Campo Boario, 64100, Teramo, Italy
Tel.:	+39-0861 33 2424
E-mail address:	g.savini@izs.it
Website:	www.izs.it
Name (including Title) of Head of Laboratory (Responsible Official):	Nicola D'Alterio, DVM, General Director, Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise
Name (including Title and Position) of WOAH Reference Expert:	Giovanni Savini , DVM, PhD, head of the Public Health Department, Istituto Zooprofilattico Sperimentale dell' Abruzzo e del Molise
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 WOAH Manual (Yes/No)	Total number of test performed last year	
Indirect diagnostic tests		Nationally	Internationally
c-ELISA for Ab vs BTV		3673	39
VNT for Ab vs BTV		17304	312
c-ELISA for Ab vs EHDV		33	0
VNT for Ab vs EHDV		284	0
c-ELISA for Ab vs AHSV		24	0
Direct diagnostic tests		Nationally	Internationally
Genotype specific Real-time RT- PCR for BTV		3514	4
Serotype specific PCR real time for BTV		6132	22
Isolation on cell culture for BTV		535	2
Genotype specific Real-time RT- PCR for EHDV		1703	0
Genotype specific Real-time RT- PCR for AHSV		4	0
Microscopic examination Culicoides imicola identification		483	4
Microscopic examination Culicoides spp.		2681	4

TOR2: REFERENCE MATERIAL

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

No

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOAH MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
BTV Antibody Test Kit c- ELISA rec VP7	c- ELISA	Produced	439 packages	0	1	ITALY,
BTV Antibody Test Kit c- ELISA rec VP7	c- ELISA	Provide	371 packages	0	1	ITALY,
c-ELISA BTV antigen for 439 tests	c- ELISA	Produced	33.5 ml	0	1	ITALY,
BTV VP7 monoclonal antibody	c- ELISA	Produced	7500 ml	0	1	ITALY,
BTV inactivated reference strain	RT Real Time PCR	Produced	92 ml	0	1	ITALY,
BTV inactivated reference strain	RT Real Time PCR	Provide	92 ml	0	1	ITALY,
BTV3 positive blood sample	RT Real Time PCR	Provide	0	10 ml	1	FRANCE,
BTV3 Italian strain	RT Real Time PCR	Provide	0	2 ml	2	FRANCE, THE NETHERLANDS,
c-ELISA EHDV antigen	c- ELISA	Produced	67 ml	0	1	ITALY,
EHDV inactivated reference strain	RT Real Time PCR	Provide	16 ml	0	1	ITALY,
EHDV positive sera	c- ELISA/VN	Produced	820 ml	0	1	ITALY,
EHDV8 positive sera	VN	Provide	0	6.5 ml	2	BELGIUM, THE NETHERLANDS,
EHDV8Italian strain	RT Real Time PCR	Provide	0	6 ml	3	BELGIUM, THE NETHERLANDS, UNITED KINGDOM,
c-ELISA AHSV antigen	c- ELISA	Produced	30 ml	0	1	ITALY,
AHSV VP7 monoclonal antibody	c- ELISA	Produced	190 ml	0	1	ITALY,

4. Did your laboratory produce vaccines?

Yes

5. Did your laboratory supply vaccines to WOAH Members?

No

TOR3: NEW PROCEDURES

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

Yes

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

Yes

NAME OF THE NEW TEST OR DIAGNOSTIC METHOD DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
Pan BTV-EHDV Real-Time RT-PCR	Giornata di studio sulla bluetongue

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

Yes

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

Yes

NAME OF THE NEW VACCINE DEVELOPED	DESCRIPTION AND REFERENCES (PUBLICATION, WEBSITE, ETC.)
	Aim of research project IZS AM 06/22 RC "ORBIVAX: sviluppo e valutazione della

EHDV8 inactivated vaccine	efficacia di vaccini inattivati nei confronti di due Orbivirus emergenti nel bacino del Mediterraneo". Results have to be submitted on international scientific journals
BTV3 inactivated vaccine	Aim of research project IZS AM 06/22 RC "ORBIVAX: sviluppo e valutazione della efficacia di vaccini inattivati nei confronti di due Orbivirus emergenti nel bacino del Mediterraneo"

TOR4: DIAGNOSTIC TESTING FACILITIES

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

Yes

NAME OF WOAH 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
UNITED KINGDOM	2023-04-21	VNT	0	8
ISRAEL	2023-03-29	Real-time RT-PCR	4	0
MALTA	2023-03-02	VNT	0	16
MALTA	2023-05-05	VNT	0	6
MALTA	2023-07-11	VNT	0	18
MALTA	2023-07-26	VNT	0	1
MALTA	2023-08-04	VNT	0	1
MALTA	2023-08-25	VNT	0	2
MALTA	2023-09-29	VNT	0	5
MALTA	2023-10-06	VNT	0	10
MALTA	2023-10-18	VNT	0	3
MALTA	2023-11-27	VNT	0	11

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

Yes

NAME OF THE WOAH MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
PAKISTAN	Diagnostic assistance	Remote
ISRAEL	Diagnostic assistance	Remote
NORTH MACEDONIA (REP. OF)	Bluetongue surveillance and control programme strategy in North Macedonia	Remote and in loco
MALTA	Diagnostic assistance	Remote

TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES

12. Did your laboratory participate in international scientific studies in collaboration with WOAH 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
ECDC- EFSA Vectornet. European network of medical and veterinary entomology	5 years (2019-2023)	To create a sense of connection between medical and veterinary entomologists and professionals interested in vector-borne diseases in the Public and Veterinary Health sector. The VectorNet Entomological Network aims to better embed entomological monitoring and	International Development, Haceteppe University, PHE – Public Heath England, RIVM – Dutch Institute for Public Health and the Environment, CUNI, Charles University, Czech Republic, CIISA - Centro de Investigaçao Interdisciplinar em Sanidade Animal,Portugal, CReSA - Centre de Recerca en Sanitat Animal, Spain, DTU - Danmarks Tekniske Universitet, Denmark, EBC, evolutionary Biology Centre, Uppsala University, Sweden, FLI - Friederich-Loeffler- Institut, Germany, IAH, Institute of Animal Health, Pirbright Institute, UK, IRD	CZECH REPUBLIC DENMARK FRANCE GERMANY PORTUGAL SLOVENIA SPAIN SWEDEN TURKEY UNITED KINGDOM

		knowledge in national and international vector-borne disease surveillance systems.	– Institut de Recherche pour le Développement, France, IVB – Institute of Vertebrate Biology, KAU, Kafkas University, Turkey, NoviSad University, Serbia, Primarska University, Slovenia, VECPAR – Transmision Vectorielle et épidemiosurveillance des Maladies Parasitaires, Reims University, Zaragosa University, Spain	
Point-of-incidence toolbox for emerging virus threats (TELE-Vir)	2 years (2020-2023)	To develop a very fast point-of-incidence (poi) toolbox for identification and characterization of emerging virus threats for humans and/or domestic and wildlife animals.	INSA , Portugal, Sciensano, Belgium, INIA-CISA , Spain, PIWET, Poland VRI, Czech Republic, SVA , Sweden, ANSES, France, UoS, UK, NVI, Norway, IZSLER, Italy, SSI, Denmark	BELGIUM CZECH REPUBLIC DENMARK FRANCE ITALY NORWAY POLAND PORTUGAL SPAIN SWEDEN UNITED KINGDOM
Partnership for Research and Innovation in the Mediterranean Area (PRIMA) European Commission Project "A novel integrated and sustainable approach to monitor and control Bluetongue spread in the Mediterranean Basin" (BlueMed)	3 years (2019-2023)	Setting up a comprehensive and flexible operating model capable to detect new incursions or circulation of BTV strains and prevent and/or control their spread in the Mediterranean region. To refine current diagnostic systems and explore the basis for improved control strategies.	National School of Veterinary Medicine of Sidi Thabet (ENMV)/ National Institute of Veterinary Research of Tunisia (IRVT) Tunisia,National Research Centre (NRC) Egypt, ANSES France	EGYPT FRANCE TUNISIA
OIE Twinning contract for Bluetongue between Istituto Zooprofilattico Sperimentale dell' Abruzzo e del Molise and Istituto Biologico of San Paolo	5 years (2017-2023)	To enhance capacity and improve scientific capabilities in relation to diagnosis and surveillance of Bluetongue.	Instituto Biológico of São Paulo	BRAZIL
Ecology of Wild-life, Livestock, huMan and Infectious Diseases in changing environments — WiLiMan-ID	5 years (2023-2028)	The main objective of WiLiMan-ID is to identify key factors allowing five animal infectious diseases to spread and persist, in changing environments. The five diseases are: Avian influenza African swine fever West-Nile fever African horse sickness Chronic wasting disease	Austria-Biofaction Belgium-Sciensano Denmark-The University of Copenhagen France-ANSES France-Ecole Nationale Vétérinaire (ENVT) France-INRAE France-National Research Institute for Agriculture, Food and Environment (INRAE) Germany-Friedrich-Loeffler-Institut (FLI) Morocco-The Hassan II Agronomic and Veterinary Institute (IAV) Norway-The Norwegian Veterinary Institute (vetinst) Spain-The Central Veterinary Laboratory of the Spanish Ministry of Agriculture, Fisheries and Food. Sweden-Swedish Veterinary Agency (SVA) The Netherlands-Wageningen University & Research (WUR)	AUSTRIA BELGIUM DENMARK FRANCE GERMANY MOROCCO NORWAY SPAIN SWEDEN THE NETHERLANDS

13. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?

No

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:
-Data related to the BTV atypical serotypes outbreaks occurring in Italy in 2023

-Data related to the BTV3-BTV4 and BTV8 serotypes outbreaks occurring in Italy in 2023

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:

Sequencing of BTV3-BTV4 and BTV8 strain circulating in Sardinia in 2023

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:

8

1. Portanti O., Thabet S., Abenza E., Ciarrocchi E., Pisciella M., Irelli R., Savini G., Hammami S., Pulsoni S., Casaccia C., Coetzee L., Marcacci M., Di Domenico M., Lorusso A.
Development and validation of an RT-qPCR for detection and quantitation of emerging epizootic hemorrhagic disease virus serotype 8 RNA from field samples.
(2023) Journal of Virological Methods, 321, art. no. 114808, Cited 0 times.
DOI: 10.1016/j.jviromet.2023.114808.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170676165&doi=10.1016%2fj.jviromet.2023.114808&partnerID=40&md5=2d504b425df5931f234ad103d7b8321d

2. Lorusso A., Cappai S., Loi F., Pinna L., Ruiu A., Puggioni G., Guercio A., Purpari G., Vicari D., Sghaier S., Zientara S., Spedicato M., Hammami S., Ben Hassine T., Portanti O., Breard E., Sailleu C., Ancora M., Di Sabatino D., Morelli D., Calistri P., Savini G.
Epizootic Hemorrhagic Disease Virus Serotype 8, Italy, 2022(2023) Emerging Infectious Diseases, 29 (5), pp. 1063 - 1065,
Cited 11 times. DOI: 10.3201/eid2905.221773
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153433868&doi=10.3201%2feid2905.221773&partnerID=40&md5=7d5bfc845603513593000ded59745e64

3. Thabet S., Sghaier S., Ben Hassine T., Slama D., Ben Osmane R., Ben Omrane R., Mouelhi W., Spedicato M., Leone A., Teodori L., Curini V., Othmani M., Berjaoui S., Ripà P., Orabi M., Mohamed B.B., Sayadi A., Slama S.B., Marcacci M., Savini G., Lorusso A., Hammami S.
Characterization of Epizootic Hemorrhagic Disease Virus Serotype 8 in Naturally Infected Barbary Deer (Cervus elaphus barbarus) and Culicoides (Diptera: Ceratopogonidae) in Tunisia
(2023) Viruses, 15 (7), art. no. 1567, Cited 4 times.
DOI: 10.3390/v15071567
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166029047&doi=10.3390%2fv15071567&partnerID=40&md5=c0afee2ce5a726dce20597b43c5e4bb9

4. Spedicato M., Di Teodoro G., Teodori L., Iorio M., Leone A., Bonfini B., Testa L., Pisciella M., Casaccia C., Portanti O., Rossi E., Di Febo T., Ferri N., Savini G., Lorusso A.
Intravenous Infection of Small Ruminants Suggests a Goat-Restricted Host Tropism and Weak Humoral Immune Response for an Atypical Bluetongue Virus Isolate
(2023) Viruses, 15 (1), Cited 0 times.
DOI: 10.3390/v15010257
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147045209&doi=10.3390%2fv15010257&partnerID=40&md5=11b197a486765f0612b5ddf221ee35b9

5. Sghaier S., Sailleau C., Marcacci M., Thabet S., Curini V., Ben Hassine T., Teodori L., Portanti O., Hammami S., Jurisic L., Spedicato M., Postic L., Gazani I., Ben Osman R., Zientara S., Bréard E., Calistri P., Richt J.A., Holmes E.C., Savini G., Di Giallonardo F., Lorusso A.
Epizootic Haemorrhagic Disease Virus Serotype 8 in Tunisia, 2021
(2023) Viruses, 15 (1), art. no. 16, Cited 16 times.
DOI: 10.3390/v15010016
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147045749&doi=10.3390%2fv15010016&partnerID=40&md5=bfa14898844549366b4f3ccf849dc5f6

6. Quaglia M., Foxi C., Satta G., Puggioni G., Bechere R., De Ascentis M., D'alessio S.G., Spedicato M., Leone A., Pisciella M., Portanti O., Teodori L., Di Gialleonardo L., Cammà C., Savini G., Goffredo M.
Culicoides species responsible for the transmission of Epizootic Haemorrhagic Disease virus (EHDV) serotype 8 in Italy
(2023) Veterinaria Italiana, 59 (1), pp. 83 - 88, Cited 2 times.
DOI: 10.12834/VetIt.3347.22208.1
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178264863&doi=10.12834%2fVetIt.3347.22208.1&partnerID=40&md5=ab37988d5f193afbffca5e7247c5ec62
7. Serroni A., Traini S., Iorio M., Mangone I., Di Gialleonardo L., Molini U., Khaiseb S., Mercante M.T., Di Ventura M., Caporale M.
Whole-Genome Sequence and Assembly of Eight Africa Horse Sickness Virus Strains Collected in Namibia and South Africa
(2023) Microbiology Resource Announcements, 12 (4), Cited 0 times.
DOI: 10.1128/mra.01034-22
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158889395&doi=10.1128%2fmra.01034-22&partnerID=40&md5=7e6c67b3a1de17ebdfb6de069f6235a5

8.28. Spedicato M., Profeta, F., Thabet, S., Teodori, L., Leone, A., Portanti, O., Pisciella, M., Bonfini, B., Pulsoni, S., Rosso, F., Rossi, E., Ripà, P., De Rosa, A., Ciarrocchi, E., Irelli, R., Cocco, A., Sailleu, C., Ferri, N., Di Febo, T., Vitour, D., Breard, E., Giansante, D., Sghaier, S., Ben Hassine, T., Zientara, S., Salini, R., Hammami, S., Savini, G., & Lorusso, A. 2023. Experimental infection of cattle, sheep, and goats with the newly emerged epizootic hemorrhagic disease virus serotype 8. Veterinaria Italiana, doi:10.12834/VetIt.3433.23112.1

b) International conferences:

4
1.Webinar 10th OHEJP SSB meeting. 23-24 March 2023
2.Project WiLiMan-ID (Ecology of Wild-life, Livestock, huMan and Infectious Diseases in changing environments): Kick-off Meeting. 11-12 May 2023, Tolosa (France)
3.Regional Meeting Northern Africa.OIEERFAN19 - Enhancing Research for Africa Network (ERFAN). 3-5 october 2023, Tunisi
4.AHS&BT EURL workshop 2023.6-7 november, 2023, Madrid (Spain)
5.XXV Symposium of epizootiologist and epidemiologist. 24-26 april 2023,Novi Sad, Serbia
6.15th EPIZONE Annual Meeting.26-28 april 2023,Novi Sad, Serbia
7.CRWAD-103rd Conference of Research Workers in Animal Diseases.22-24 january 2023, Chicago

c) National conferences:

2
1.25th International Congress of the Mediterranean Federation for Health and Production of Ruminants (Fe.Me.S.P.Rum.).20 october 2023, Eboli (Salerno)
2.Online webinar "Giornata di studio sulla Bluetongue",5 december 2023

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

2
1. A public web site (www.izs.it) disseminating information and data on Bluetongue is continuously updated in order to have:
- the latest on the Italian and European Regulations issued by the Italian Ministry of Health;
- the current (2023) and past (2008-2022) epidemiological situations in Italy;
- weekly updated maps on entomological and serological surveillance activities (bluetongue national information system);
- the current epidemiological situations in the Mediterranean Basin;
- rules and regulations
- an scientific documents on-line.
2. EHDV diagnostic methods book: VNT chapter

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 : 1

b) Seminars : 0

c) Hands-on training courses: 0

d) Internships (>1 month) 1

Type of technical training provided (a, b, c or d)	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
A	NORTH MACEDONIA (REP. OF)	4
D	NORTH MACEDONIA (REP. OF)	1

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	Accredia_IZSAM.pdf	

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
VNT for BTV	ACCREDIA
c-ELISA for BTV	ACCREDIA
BTV Genotype specific Real-time RT-PCR	ACCREDIA
BTV Serotype 1,2,4,6,8,9,11 and 16 specific Real-time RT-PCR	ACCREDIA
VNT for EHDV	ACCREDIA
ELISA for EHDV	ACCREDIA
EHDV Genotype specific Real-time RT-PCR	ACCREDIA
BTV Serotype 8 specific Real-time RT-PCR	ACCREDIA

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

Yes

The biosecurity policy integrates aspects related to safety, security and environment, in fact risks associated with all our activities are assessed and managed to ensure the safety of workers and of the environment in accordance with international standards. In particular, IZSAM has developed its biosecurity manual in accordance with the WHO standards " The WHO Laboratory Biosafety Manual (LBM) 4th ed.) as well as the specific procedures for safe handling and containment of infectious microorganisms and hazardous biological material. Furthermore, to reduce or eliminate the exposure of the environment (air, water, soil) to potentially infectious or hazardous agents IZSAM obtained the certification according to the ISO 14001 Lastly, a rigorous management of biologicals, chemicals and their associated waste is in place and information and communication to personnel done on a routine bases. To ensure the safety handling and movement of goods, the IZS-Teramo has developed protocols and procedures according to the World Health Organization standards (WHO/WHE/CPI/2019.20 Guidance on regulations for the Transport of infectious Substances"- 2019-2020; pag.1-29.). The laboratory is officially authorised by the Italian Ministry of Health to import biological materials and biological reagents of any origin through the airports of Rome (Fiumicino) and Milan (Malpensa and Linate) Transport by air of biological materials considered as infectious substances is done according to the international regulations guidelines developed by IATA (Infectious Substances Shipping Guidelines-1 January 2006- 7th Edition p.1-41). The IZS - Teramo also complies with ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road and Directive 2014/103/UE) regulations to guarantee the safe road transportation of dangerous goods and owns vehicles properly equipped for the purpose. Traceability of biological material for research purposes is provided by the use of MTA , and dispatch and receipt are regulated by Standard Operating procedures.

TOR9: SCIENTIFIC MEETINGS

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

Yes

NATIONAL/ INTERNATIONAL	TITLE OF EVENT	CO-ORGANISER	DATE (MM/YY)	LOCATION	NO. PARTICIPANTS
National	Giornata di studio sulla Bluetongue	Italian Ministry of Health	2023-12-05	online	407

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

Yes

Title of event	Date (mm/yy)	Location	Role (speaker, presenting poster, short communications)	Title of the work presented
25th International Congress of the Mediterranean Federation for Health and Production of Ruminants (Fe.Me.S.P.Rum.)	2023-10-20	Eboli (Salerno)_Italy	Speaker	EHDV-8: virus of a lesser God
AHS&BT EURL workshop 2023	2023-11-29	Madrid_Spain	Speaker	1.BTV differential diagnosis in the context of EHD: laboratory aspects 2.Development of an universalplatformfor an AHSV vaccine basedon a syntheticapproach
Giornata di studio su malattie trasmesse da vettori	2023-07-14	Sassari_Italy	Speaker	1.Bluetongue e malattia emorragica epizootica del cervo: trova le differenze 2.Malattia emorragica epizootica in Italia:inquadramento e primi dati

				sperimentali 3.
Federation for Health and Production of Ruminants (Fe.Me.S.P.Rum.)	2023-10-20	Eboli (Salerno)_Italy	Poster	Spedicato M, Bechere R, Bonfini B, Maxia M, Manunta D, Coradduzza E, Pulsoni S, Portanti O, Falchi BM, Coccollone A, Giglio V, Ladu A, Franzoni G, Puggioni G, Ruiu A, Oggiano A, Savini G, Puggioni G. Evidence of the circulation of EHDV-8 in sheep in sardinia
XXV Symposium of epizootiologist and epidemiologist	2023-04-24	Novi Sad, Serbia	Speaker	Current scenarios on BTV epidemiology in europe
15th EPIZONE Annual Meeting	2023-04-26	Novi Sad, Serbia	Speaker	Epizootic hemorrhagic disease virus: A new challenge for europe?
CRWAD-103rd Conference of Research Workers in Animal Diseases	2023-01-23	Chicago_USA	Speaker	Diagnosis and characterization of a novel strain of EHDV-8 in tunisia in 2021
Workshop for the BTSF on NAHL (Animal disease surveillance, control and eradication): how to design a surveillance and eradication programme for a C disease	2023-09-25	Riga (Latvia)	Tutor	Specific course focus on C disease control

TOR10: NETWORK WITH WOAH REFERENCE LABORATORIES

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

Yes

24. Do you network (collaborate or share information) with other WOAH Reference Laboratories designated for the same pathogen?

Yes

NETWORK/DISEASE	ROLE OF YOUR LABORATORY (PARTICIPANT, ORGANISER, ETC)	NO. PARTICIPANTS	PARTICIPATING WOAH REF. LABS
WOAH Bluetongue reference laboratories network (WOAH- BTNet)	Organiser	1	All the WOAH BT reference laboratories

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

Yes

PURPOSE OF THE PROFICIENCY TESTS: 1	ROLE OF YOUR REFERENCE LABORATORY (ORGANISER/ PARTICIPANT)	NO. PARTICIPANTS	PARTICIPATING WOAH REF. LABS/ ORGANISING WOAH REF. LAB.
Detection of BTV and serotyping in blood samples (Real Time RT-PCR)	Participant	0	Information not available at the moment
Detection of BTV antibody in serum samples (c-ELISA)	Participant	0	Information not available at the moment
Detection of AHSV in blood samples (Real Time RT-PCR)	Participant	0	Information not available at the moment
Detection of AHSV antibody in serum samples (c-ELISA)	Participant	0	Information not available at the moment
Detection of BTV and EHDV in blood samples (Real Time RT-PCR)	Organiser	17	1/1

26. Did your laboratory collaborate with other WOAH 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 WOAH REFERENCE LABORATORIES
Please see ToR 5	Please see ToR 5	All the WOAH BT reference laboratories

TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOAH Reference Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons1	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the Test	WOAH Member Countries
To compare Orbivirus isolation methods in force with the ultimate aim of improving the efficiency of the virus isolation technique	participant	14	INTERLABORATORY TEST FOR AFRICAN HORSE SICKNESS DIAGNOSIS 2023	AUSTRALIA, BELGIUM, CANADA, CZECH REPUBLIC, FRANCE, GERMANY, SOUTH AFRICA, SPAIN, SWITZERLAND, THAILAND, TURKEY, UNITED KINGDOM,

TOR12: EXPERT CONSULTANTS

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

Yes

KIND OF CONSULTANCY	Location	SUBJECT (FACULTATIVE)
BTV vaccination plan consultant	online	/
ad hoc group meeting	online	Sardinia BTV8 Emergency task force
BTV animal movement	online	BTV animal movement from France
Workshop for the BTSF on NAHL (Animal disease surveillance, control and eradication): how to design a surveillance and eradication programme for a C disease Specific course focus on disease control. Tutor activities	Riga (Latvia)_25-29 September	All EU delegates involved

29. Additional comments regarding your report:

No

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