

# WOAH Reference Laboratory Reports Activities 2023

## Activities in 2023

This report has been submitted : 29 mai 2024 16:20

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOAHO Reference Laboratory:</b>	Nosemosis
<b>Address of laboratory:</b>	
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<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Dr. Richard Thiéry (Head of the Anses Sophia Antipolis Laboratory)
<b>Name (including Title and Position) of WOAHO Reference Expert:</b>	Dr Marie-Pierre CHAUZAT (WOAH expert for Nosemosis, American foulbrood; European foulbrood, varroosis and nosemosis; Head the European laboratory for honeybee health)
<b>Which of the following defines your laboratory? Check all that apply:</b>	Research agency

### 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 WOAHO Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
none		0	0
Direct diagnostic tests			
Recherche de la nosémose par examen microscopique		1	0
Détection et quantification de Nosema spp. par examen microscopique sur 60 abeilles		18	0
Identification de l'espèce de Nosema par PCR en temps réel			
Identification de l'espèce de Nosema par PCR conventionnelle		1	0

### TOR2: REFERENCE MATERIAL

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

No

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

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOAHO MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Broyat d'abdomens						

d'abeilles infecté par Nosema spp.	Microscopie	Tube contenant 200 µL de broyat	200µl	0	1	FRANCE,
Contrôle positif de PCR / Clone K3a	pcr	Plasmide comprenant la séquence à amplifier (N.apis)	2	1	1	FRANCE, POLAND,
Contrôle positif de PCR / clone L2	PCR	Plasmide comprenant la séquence à amplifier (N.ceranae)	2	1	1	FRANCE, POLAND,
Témoin positif d'extraction N. ceranae	PCR	Broyat d'abdomens d'abeilles naturellement infectées par N.ceranae	1	0	1	FRANCE,
Témoin positif d'extraction N.apis	PCR	Broyat d'abdomens d'abeilles infectées expérimentalement par N.apis	1	0	1	FRANCE,

4. Did your laboratory produce vaccines?

Not applicable

5. Did your laboratory supply vaccines to WOAHP Members?

Not applicable

### **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?

No

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
SPAIN	Demande sur la PCR	Conseils donnés
TURKEY	Demande d'EILA	Pas de possibilité pour 2023
ALBANIA	Demande d'essai bilatéral	Echanges de mail

### **TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

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

No

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

No

### **TOR6: EPIZOOLOGICAL DATA**

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

No

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

No

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:

b) International conferences:

c) National conferences:

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Franco, S. 2023. « Résilience en apiculture en contexte de changement climatique : perspectives sanitaires. » Journées vétérinaires apicoles. Nantes, France. 18-20 octobre 2023. Cette conférence a abordé, entre autres, le risque lié à la nosérose dans le contexte de changement climatique.

Franco, S. 2023. « Bonnes pratiques de prélèvement en vue d'analyses dans le domaine apicole ». Diplôme inter écoles Diagnostic et gestion sanitaire d'une exploitation apicole, pathologie apicole. Oniris, Nantes, France. 10 mars 2023. Cette conférence a abordé, entre autres, les méthodes d'analyses disponibles pour le diagnostic de la nosérose et les bonnes pratiques de prélèvement pour conditionner les échantillons dans ce cadre.

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

## TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

No

## 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	ANSES_Cofrac.pdf

19. Is your quality management system accredited?

Yes

Test for which your laboratory is accredited	Accreditation body
Recherche de la nosérose par examen microscopique	cofrac
Identification de l'espèce de Nosema par PCR en temps réel	cofrac

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

Yes

Différentes mesures de biosécurité et de biosûreté sont mises en place pour gérer de façon générale le risque biologique au sein du laboratoire (gestion des déchets, nettoyage/désinfection, contrôle des accès aux locaux et au système informatique, procédures techniques pour la réception des échantillons et les analyses, formation des personnels...). Elles sont inscrites dans le système qualité du laboratoire.

## TOR9: SCIENTIFIC MEETINGS

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

No

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

No

## **TOR10: NETWORK WITH WOA?H REFERENCE LABORATORIES**

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

Not applicable (only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (Only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (Only WOA?H Reference Laboratory designated for the disease)

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

Not applicable (Only WOA?H Reference Laboratory designated for the disease)

## **TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING**

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

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the Test	WOA?H Member Countries
Détection et quantification de <i>Nosema</i> spp. par examen microscopique	Organisateur et participant	1	Détection et quantification de <i>Nosema</i> spp. par examen microscopique	

## **TOR12: EXPERT CONSULTANTS**

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

No

29. Additional comments regarding your report:

No