

CHAPTER 4.X. BIOSECURITY

Prof. Dr. J. Dewulf



Codes and Manuals

Our Terrestrial and Aquatic Animal Health Codes provide standards for the improvement of animal health and welfare and veterinary public health worldwide, including through standards for safe international trade in terrestrial and aquatic animals and their products.

Terrestrial Code

Terrestrial Manual

Aquatic Code

Aquatic Manual

Terrestrial Animal Health Code

Area/Section*

SECTION: 4. DISEASE PREVENTION AND CONTROL

Chapter*

SECTION: 4. DISEASE PREVENTION AND CONTROL

Chapter: 4.14. General recommendations on disinfection and disinsection

Chapter: 4.15. Official health control of bee diseases

Chapter: 4.16. Hygiene precautions, identification, blood sampling and vaccination

Chapter: 4.17. High health status horse subpopulation

Chapter: 4.18. Vaccination

Chapter: 4.19. Official control programmes for listed and emerging diseases 



TERRESTRIAL CODE – USE OF THE TERM ‘BIOSECURITY’

The term ‘Biosecurity’ appears 274 times in the Terrestrial Code (233 times in part 1 and 41 times in part 2), across 12 Sections and 46 Chapters.



Ad hoc Groups

An ad hoc Group is convened at the initiative of the Director General to provide expert advice on a topic as defined by the Terms of Reference. The ad hoc Group reports are considered by the relevant Specialist Commission or Director General. An ad hoc Group usually comprises six internationally recognised experts and take into consideration geographical representation and gender balance.

AIM:

1. Define:

- Biosecurity
- Biosecurity plan
- Swill

2. Draft a chapter on biosecurity

- Sufficiently detailed
- Applicable to all terrestrial species
- Applicable to all WOAHA members (183 states)
- Fit for purpose

MEMBERS OF THE *AD HOC* GROUP

Prof Jeroen Dewulf (chair)

Department Chair
Internal medicine, Reproduction,
Population Medicine, Ghent
University
Ghent
BELGIUM

Dr Kerry Daly (rapporteur)

Senior Veterinary Officer
Department of Agriculture, Fisheries
and Forestry
Canberra
AUSTRALIA

Dr Jorge Caetano Junior

Ministry of Agriculture, Livestock and
Food Supply,
General Coordinator of Animal Health
Brasilia
BRAZIL

Dr Lionel Gbaguidi

Animal Health and Production Officer
UNFAO Subregional Office for West
Africa
Dakar
SENEGAL

Dr Barbara Logar

Deputy Head of Unit
European Commission
Directorate-General for Health and
Food Safety (DG SANTE)
Directorate G - Crisis preparedness in
food, animals and plants
Unit G2 - Animal Health
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Interim Department Chair
Veterinary Population Medicine
Department, University of Minnesota
St-Paul
UNITED STATES

REPRESENTATIVE OF THE SPECIALIST COMMISSIONS

Dr Kiyokazu Murai

Terrestrial Animal Health Standards
Commission
JAPAN

Dr Silvia Bellini

Scientific Commission for Animal
Diseases
ITALY

WOAH HEADQUARTERS

Dr Joyce Bowling-Heyward

Chargée de mission
Standards Department

Dr Francisco D'Alessio

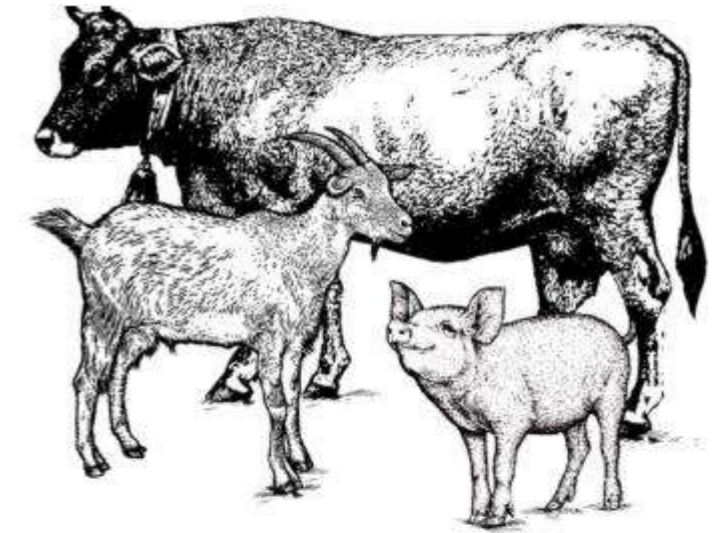
Deputy head
Standards Department

Dr Yuka Moribe

Young Professional Officer
Science Department

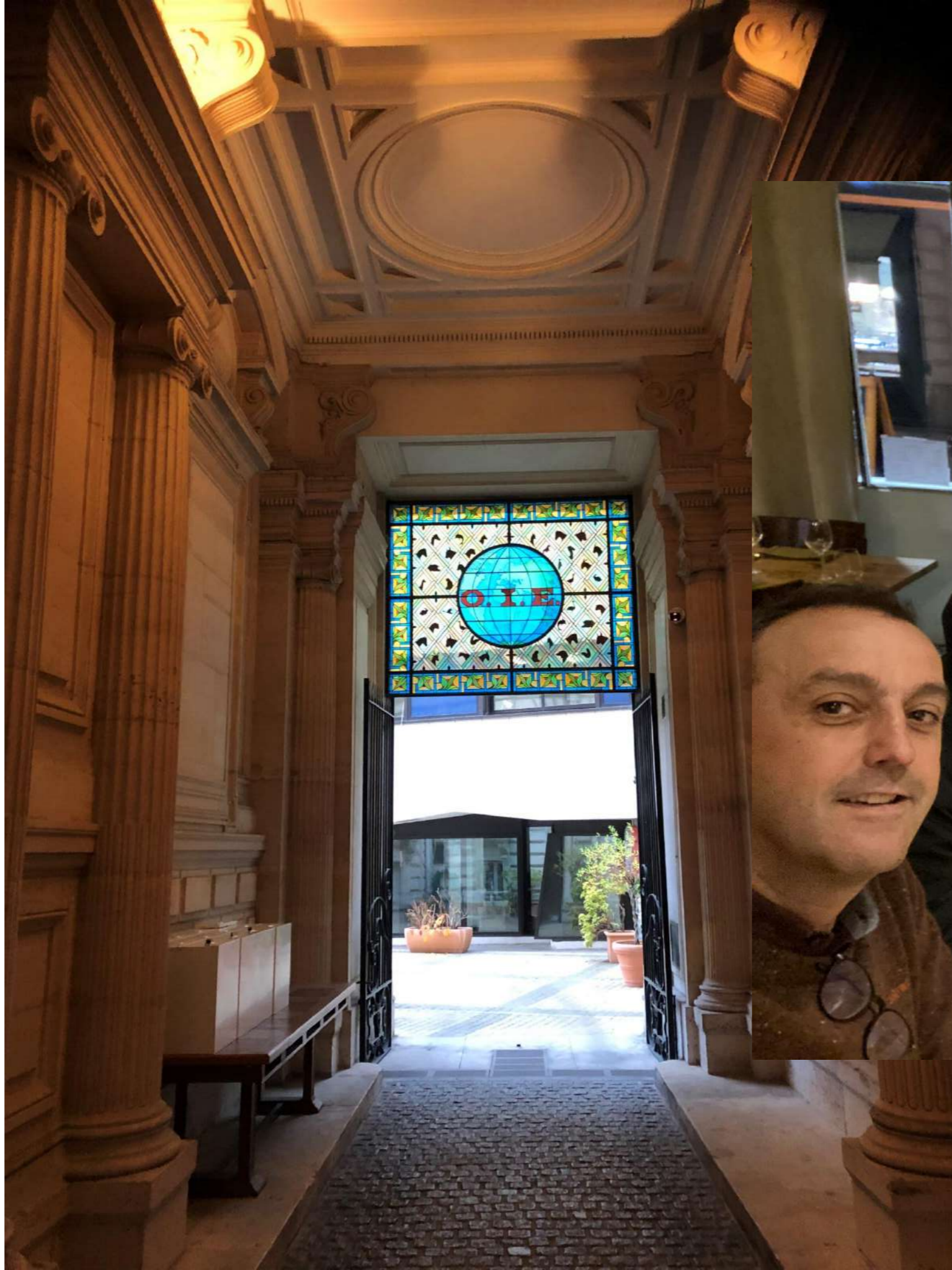
Process:

1. Dec 2022: First meeting of ad hoc working group (3 days)



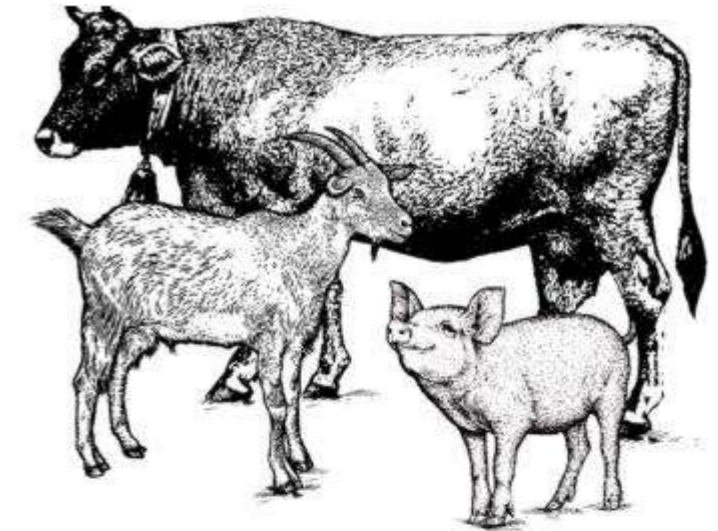
Biosecurity

Reports	⊖
March 2024 ↗	
May2023	
Dec2022 ↗	



Process:

1. Dec 2022: First meeting of ad hoc working group
2. February 2023 feedback by WOAAH Code Commission and Scientific Commission

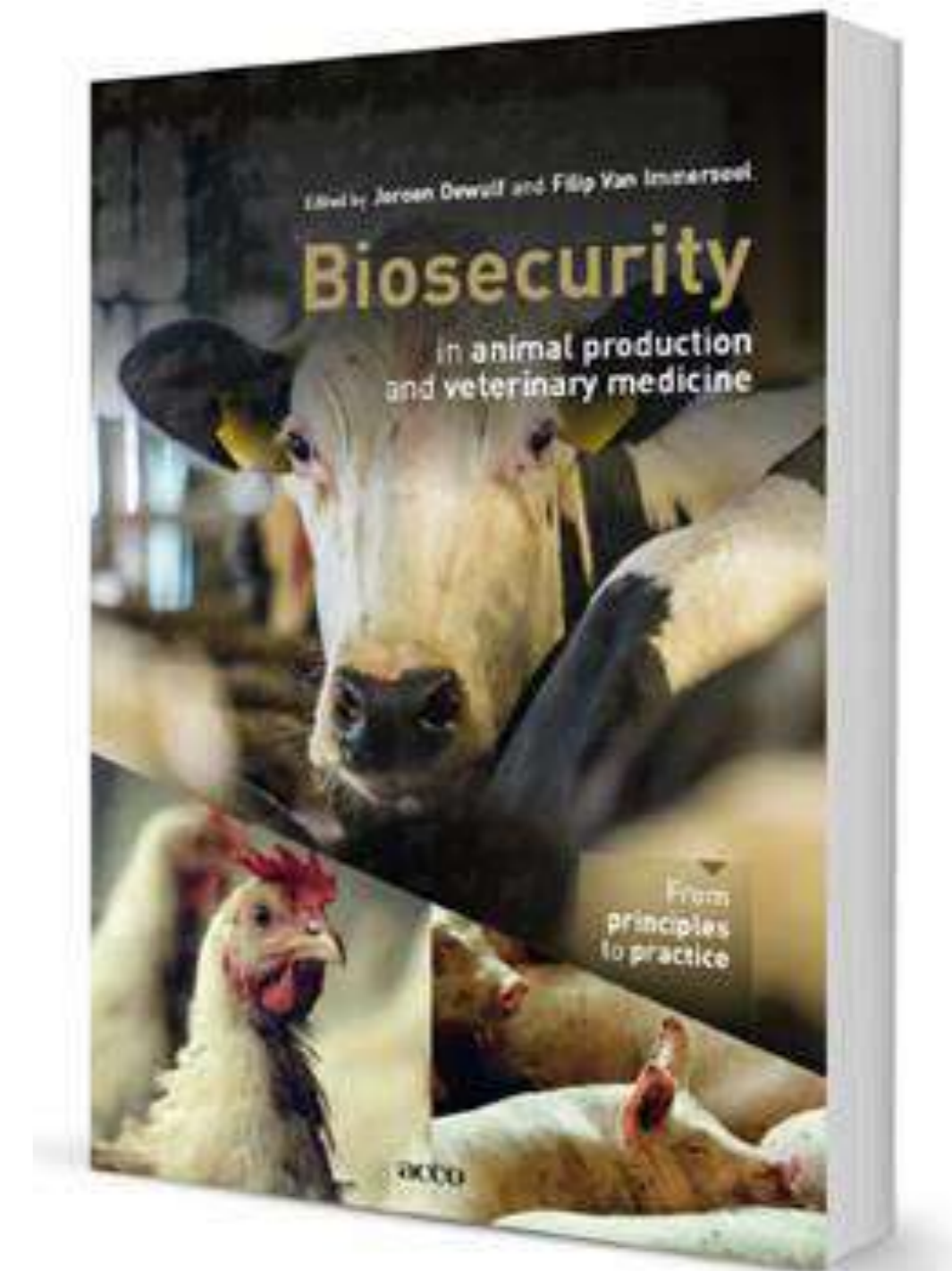


Biosecurity

Reports	⊖
March 2024	↗
May2023	
Dec2022	↗

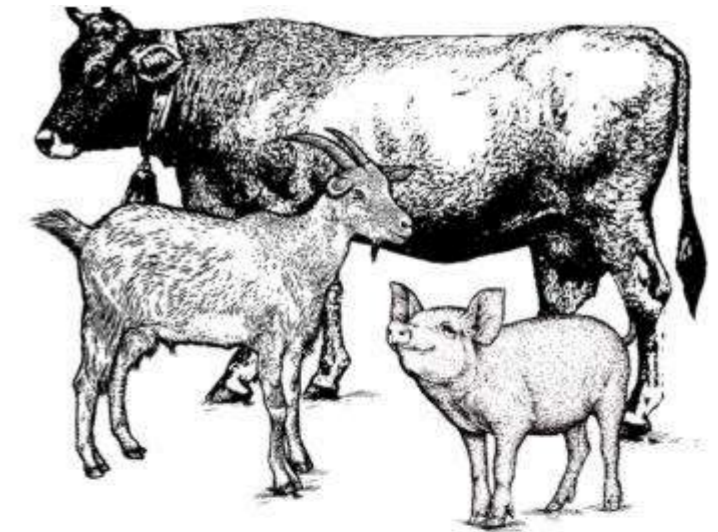
Process:

3. May 2023: Second meeting of ad hoc working group (3 days)
4. September 2023 feedback by WOAHA Code Commission and Scientific Commission

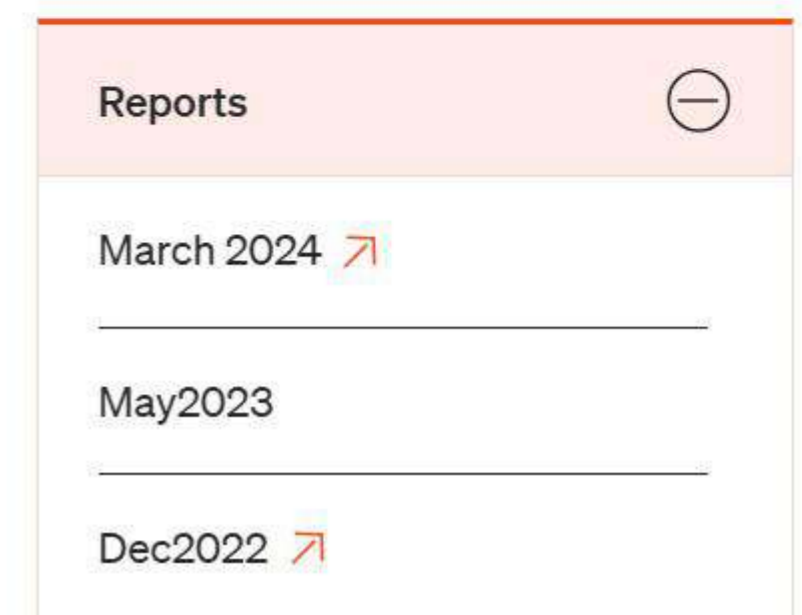


Process:

5. March 2024: third meeting of ad hoc working group (3 days)
6. May 2024: first feedback from WOAAH members
7. September 2024 feedback of the working group on comments WOAAH members



Biosecurity



Process:

8. Currently: second round of feedback by WOAAH members:
- Through WOAAH focal points (n=183)



Members

The World Assembly of 183 Delegates is the highest authority of the World Organisation for Animal Health (WOAH).

It comprises the Delegates of all Members and meets at least once a year. The General Session of the Assembly lasts five days and is held every year in May in Paris. Voting by

 **ARMENIA**

Mr Armen Danielyan

About



 **AUSTRALIA**

Dr. Beth Cookson

About



 **AUSTRIA**

Dr. Ulrich Herzog

About



 **AZERBAIJAN**

Dr. Galib Hummat Abdulaliyev

About



 **BAHAMAS**

Dr. Somatie Inderdeo

About



 **BAHRAIN**

Dr. Fajer Sabah Al Salloom

About



 **BANGLADESH**

Dr. MD. ABU SUFIUN

UNIVERSITEIT
GENT

 **BARBADOS**

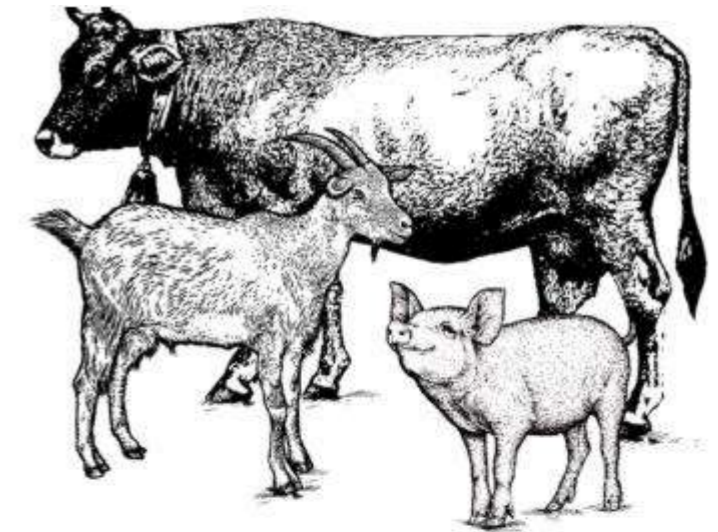
Dr. Mark Trotman

 **BELARUS**

Dr. Ivan Smilhin

Process:

9. Hopefully May 2026: Approval at the AGM of WOAAH?



Biosecurity

Reports	⊖
March 2024	↗
May2023	
Dec2022	↗

<https://www.woah.org/en/what-we-do/standards/standard-setting-process/ad-hoc-groups/#ui-id-2>

Bio-what ?

BIOSECURITY

=

The application of a set of **management, behavioural and physical** measures designed to reduce the risk of **introduction, establishment and spread** of pathogenic agents **to, within and from** an animal population.



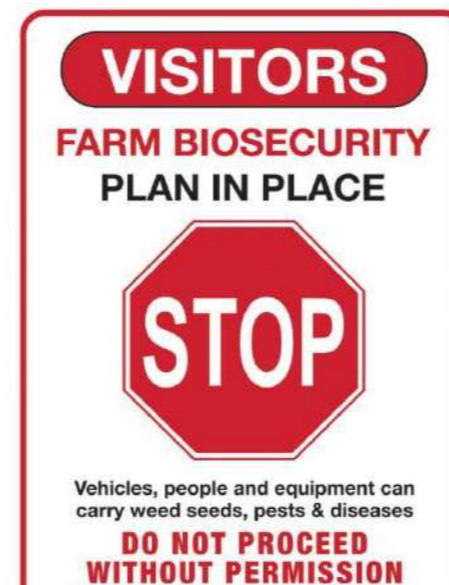
DRAFT

BIOSECURITY PLAN

=

means a document or series of documents that identify potential sources and pathways for entry of pathogenic agents into a given population and the exposure of animals and factors for the transmission of these pathogenic agents, and describes the corresponding biosecurity to be implemented and the mechanisms to evaluate and to update it.

DRAFT



DRAFFT

SWILL

=

means food scraps or food waste, that contain or have been in contact with animal products, and which may be used as feed



DRAFFT

DRAAET

SECTION 4.

DISEASE PREVENTION AND CONTROL

CHAPTER 4.X.

BIOSECURITY

DRAAET

- 1. Introduction**
- 2. Purpose and scope**
- 3. General guiding principles**
- 4. Roles and responsibilities**
- 5. Potential sources of pathogenic agents**
- 6. Transmission pathways**
- 7. Components of *biosecurity***
- 8. Biosecurity plan**
- 9. Training and awareness**
- 10. Evaluation and improvement**

1. Introduction

2. Purpose and scope:

- describe the general **guiding principles** of *biosecurity*;
- identify the **roles and responsibilities** of the different actors in *biosecurity*;
- describe the potential **sources and pathways** for entry of **pathogenic agents** into a *population* and the exposure of *animals* and factors for the transmission of pathogenic agents;
- describe the **components of *biosecurity***;
- provide **guidance** on the **design, application, monitoring, evaluation and training** with regards to *biosecurity* and *biosecurity plans*.

The chapter does not apply to laboratories, whose approaches to biosecurity are addressed in the *Terrestrial Manual*.

3. General guiding principles

4. Roles and responsibilities

- Veterinary authorities
- Veterinary services
- Veterinarians and veterinary paraprofessionals,....
- Breeders....
- Training entities,
-

5. Potential sources of pathogenic agents

6. Transmission pathways

- Vertical
- Horizontal
- Iatrogenic
-

7. Components of *biosecurity*

- External Biosecurity
- Internal biosecurity

6. Transmission pathways

- Vertical
- Horizontal
- Iatrogenic
-

7. Components of *biosecurity*

- External Biosecurity
- Internal biosecurity

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- 8. Biosecurity plan**
- 9. Training and awareness**
- 10. Evaluation and improvement**

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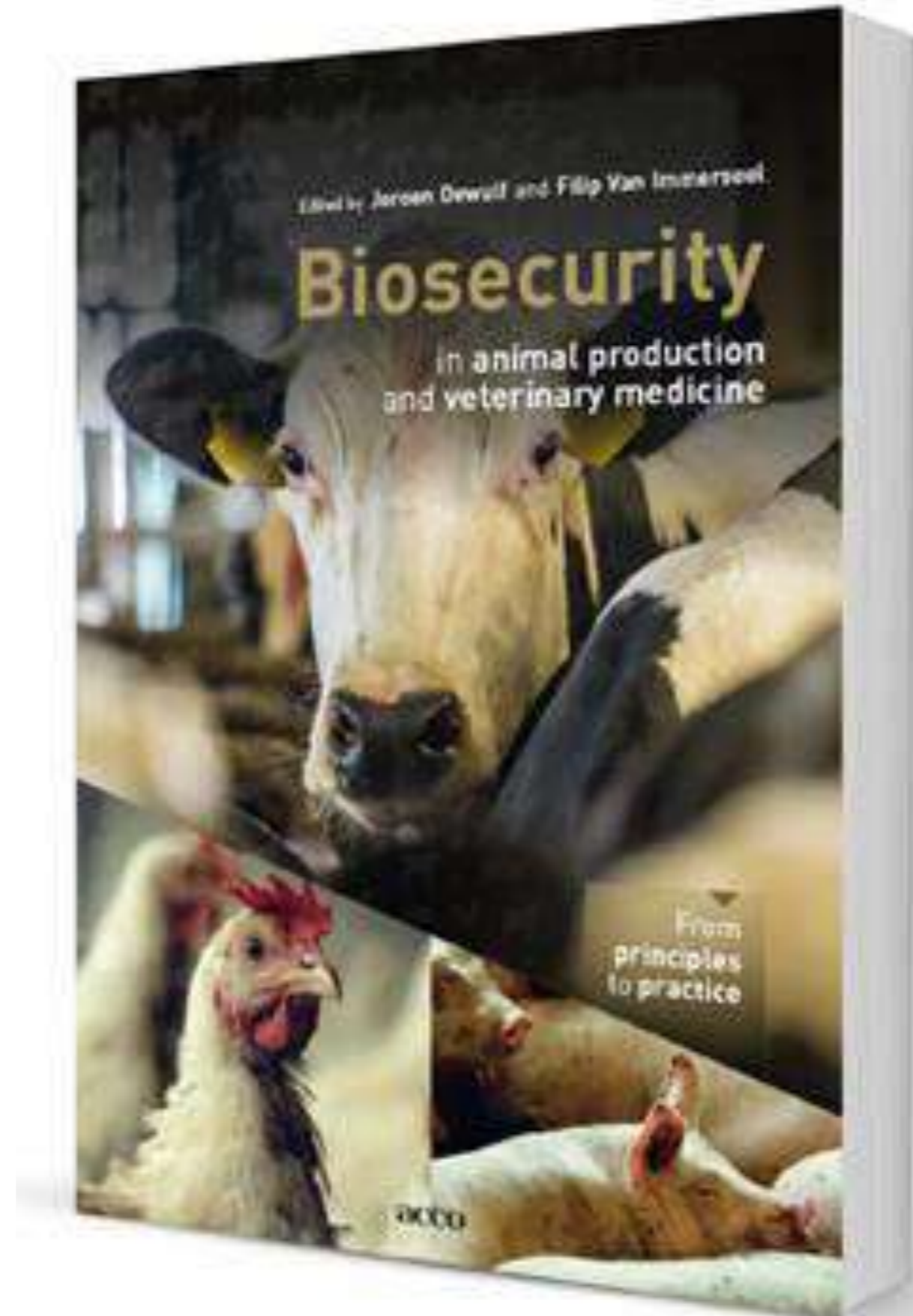
Report of the Meeting of WOAH Terrestrial Animal Health Standards Commission

Original: English (EN)

4 to 14 February 2025
Paris

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feb-2025.pdf

Annex 18, page 448



BIO
SEC
URE

PODCAST

GUESTS



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Ina Toppari



Ina Jean-Pierre
Vaillancourt



Nelima Ibrahim



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Liza Rosenbaum
Nielsen



Miroslav Kjosevski



Francisca Velkers



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