

The role of World Organization for Animal Health (WOAH) on food security and food safety

Dr. Chantanee Buranathai

One Health Coordinator

29 August 2023

WOAH FOOD SAFETY WEBINAR



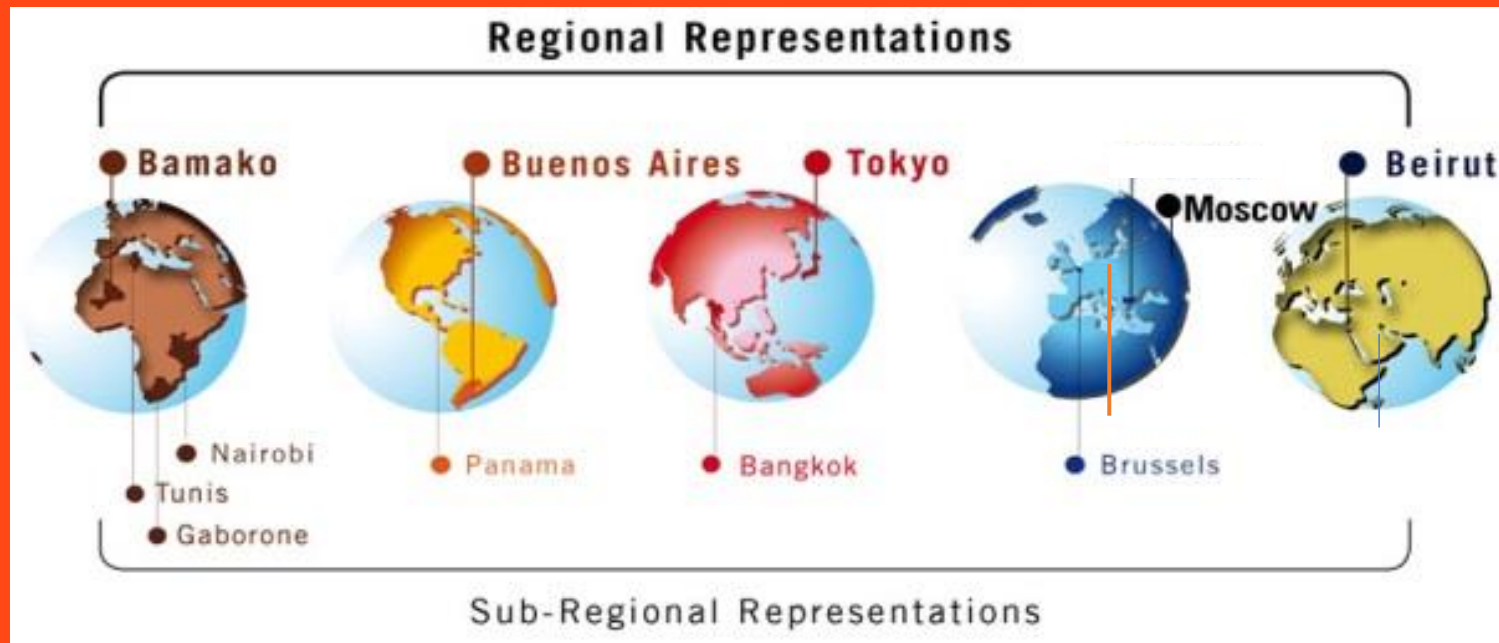
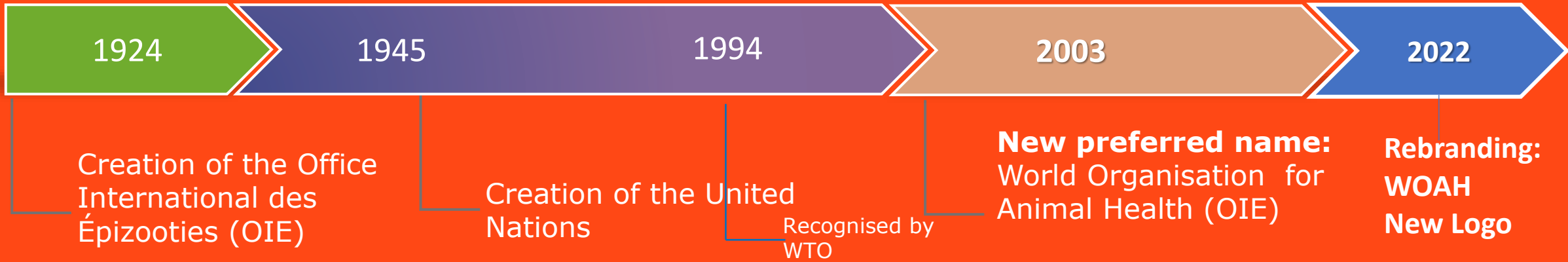
World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal



WOAH founded as OIE



182 Member Countries

Headquarters (Paris, France)

5 Regional Representations

8 Sub-Regional Representations



- **WTO Sanitary and Phytosanitary (SPS) Agreement:**
Details how governments can apply food safety and animal and plant health measures sets when trading products on the world market.
- States the OIE is the reference organisation for animal health measures.





World
Organisation
for Animal
Health

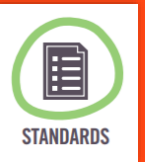
Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

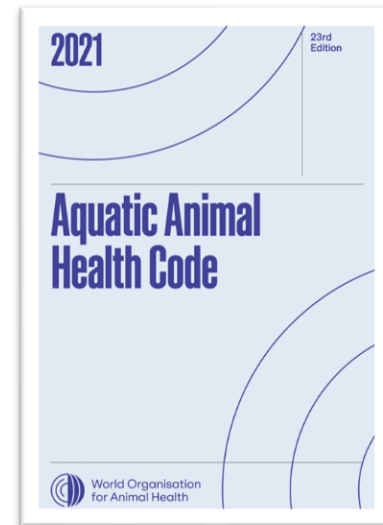
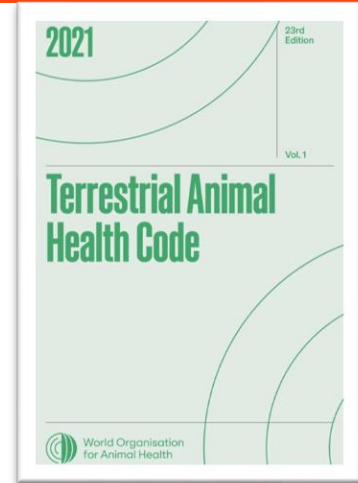
World Organisation for Animal Health (WOAH)

4 Core missions





- WOA international standards serve as a basis for setting national legislation
 - **Terrestrial Animal Health Code** and **Aquatic Animal Health Code**
 - **Manual of Diagnostic Tests** and Vaccines for Terrestrial Animals and the Manual of Diagnostic Tests for Aquatic Animals
- Standards that address **foodborne pathogen of animal origin focus on eliminating hazards arising prior to slaughter of animals or primary processing of their products**
 - E.g., Prevention, detection and control of *Salmonella* in poultry, bovine production systems, and pig production systems
- Standards also address **role of Veterinary Services in food safety systems** and links between food production, processing and distribution



Found at: <https://www.woah.org/en/what-we-do/standards/codes-and-manuals>

Terrestrial Code

Terrestrial Manual

Aquatic Code

Aquatic Manual

Terrestrial Animal Health Code

Online latest version

[Access](#) →

Previous editions

[Access](#) →



World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

World Organisation for Animal Health (WOAH)



International Communication of Animal Disease Information

WOAH World Animal Health Information System (WAHIS)

- Transparency
- National and global response to epidemics
- Trade: Trust and recognition of official disease free status

WAHIS: World Animal Health Information System

WAHIS is the global animal health reference database of the World Organisation for Animal Health (WOAH). WAHIS data reflects the validated information since 2005 reported by the Veterinary Services from Member and non-Member Countries and Territories on terrestrial and aquatic Listed diseases in domestic animals and wildlife, as well as on emerging diseases and zoonoses.

WAHIS includes interactive mapping tools and dashboards to support data consultation, visualization and extraction of officially validated animal health data.

Latest animal disease events

Country/Territory	Disease - genotype/serotype/subtype	Date
Peru	Influenza A viruses of high pathogenicity (Inf. with non-poultry including wild birds) (2017)	2023/08/18
Poland	Influenza A viruses of high pathogenicity (Inf. with non-poultry including wild birds) (2017)	2023/08/17
Oman	Foot and mouth disease virus (Inf. with SAT 2)	2023/08/17
Cote D'Ivoire	African swine fever virus (Inf. with)	2023/08/15
Germany	West Nile Fever	2023/08/14
Germany	West Nile Fever	2023/08/14
Russia	High pathogenicity avian influenza viruses (country) (Inf. with H5N1)	2023/08/14
Iceland	Salmonellosis (Inf. with)	2023/08/11
Russia	African swine fever virus (Inf. with)	2023/08/11
Russia	African swine fever virus (Inf. with)	2023/08/11

Additional information



World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

World Organisation for Animal Health (WOAH)



- Collection and dissemination of veterinary scientific information
- WOA Reference Laboratories
- WOA Collaborating Centres
 - **WOAH Collaborating Centre Consortium on Food Safety**
 - Research Center for Food Safety, University of Tokyo, Japan
 - Singapore Food Agency/ National Centre for Food Science, Singapore
 - School of Veterinary Medicine, Rakuno Gakuen University, Japan
- Specific information and recommendations e.g. disease that are not included in the Code
- Publications

Code

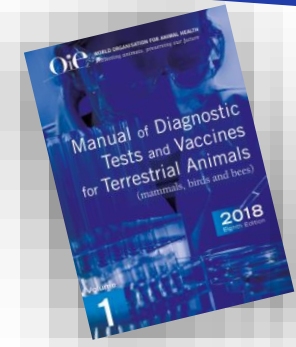
Once a year



Manual

Scientific and Technical Review

3 times a year



World Animal Health



Online
Permanently
updated



SECTION 2:

Role of WOAAH on Food Security



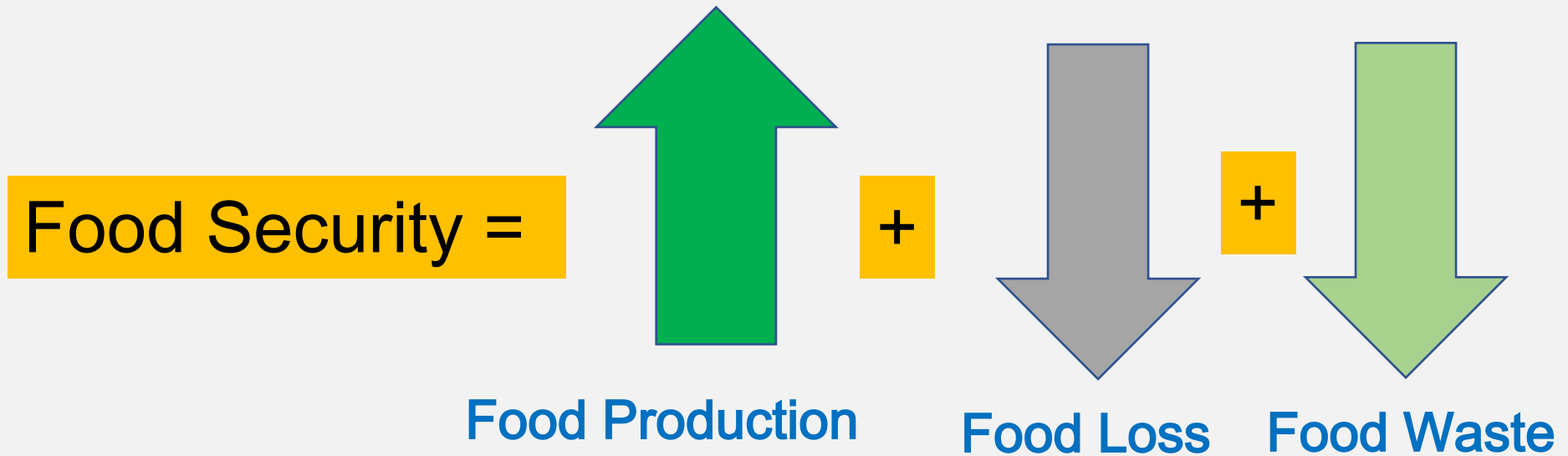
Food Security

Food Security =



Food Production

Food Security



Food Distribution , Quality of food (Nutrition and **Food Safety**), Access to food, etc.

Role of WOAAH in Food Security

- **Animal Health**  **Food Production**
 - Disease prevention and control
 - Disease surveillance
 - Safe trade
 - Disease diagnosis
 - etc.
-  **Food Loss**
 - Disease prevention and control
 - Disease surveillance
 - Safe trade
 - Disease diagnosis
 - etc.
-  **Food Safety**
 - Prevent (true) zoonosis
 - Prevent food borne zoonosis



FMD in UK 2010



African Swine Fever in 2019



Bird flu in Hongkong

Photo from Google search

SECTION 3 : ROLE of WOAHA in FOOD SAFETY



World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal



World Organisation
for Animal Health
Founded as OIE

Improve
#Animal Health

=

Improve
Food Safety

Preventing foodborne diseases
at the source...



...is key to protecting
#humanhealth.



World Organisation
for Animal Health
Founded as OIE

Ensuring food safety from farm to fork

**Proper handling of animal and animal products
is key to achieving food safety.**

It all starts at the source on the farm, up until it reaches human consumption.



#FoodSafety



World Organisation
for Animal Health
Founded as OIE

Role of Veterinary Services in food safety



VETERINARIANS and VETERINARY PARAPROFESSIONALS
play a vital role in ensuring food safety
of food from animal origin.

Improve **#animalhealth** = Improve **#foodsafety**

Veterinary Services and Veterinary Authority

- **Veterinary Services:** the governmental and non-governmental organisations that implement animal health and welfare measures and other standards and recommendations
 - Responsible for controlling pathogens in animals
 - Veterinary public health
- Under the overall control and direction of the **Veterinary Authority** (the governmental authority)



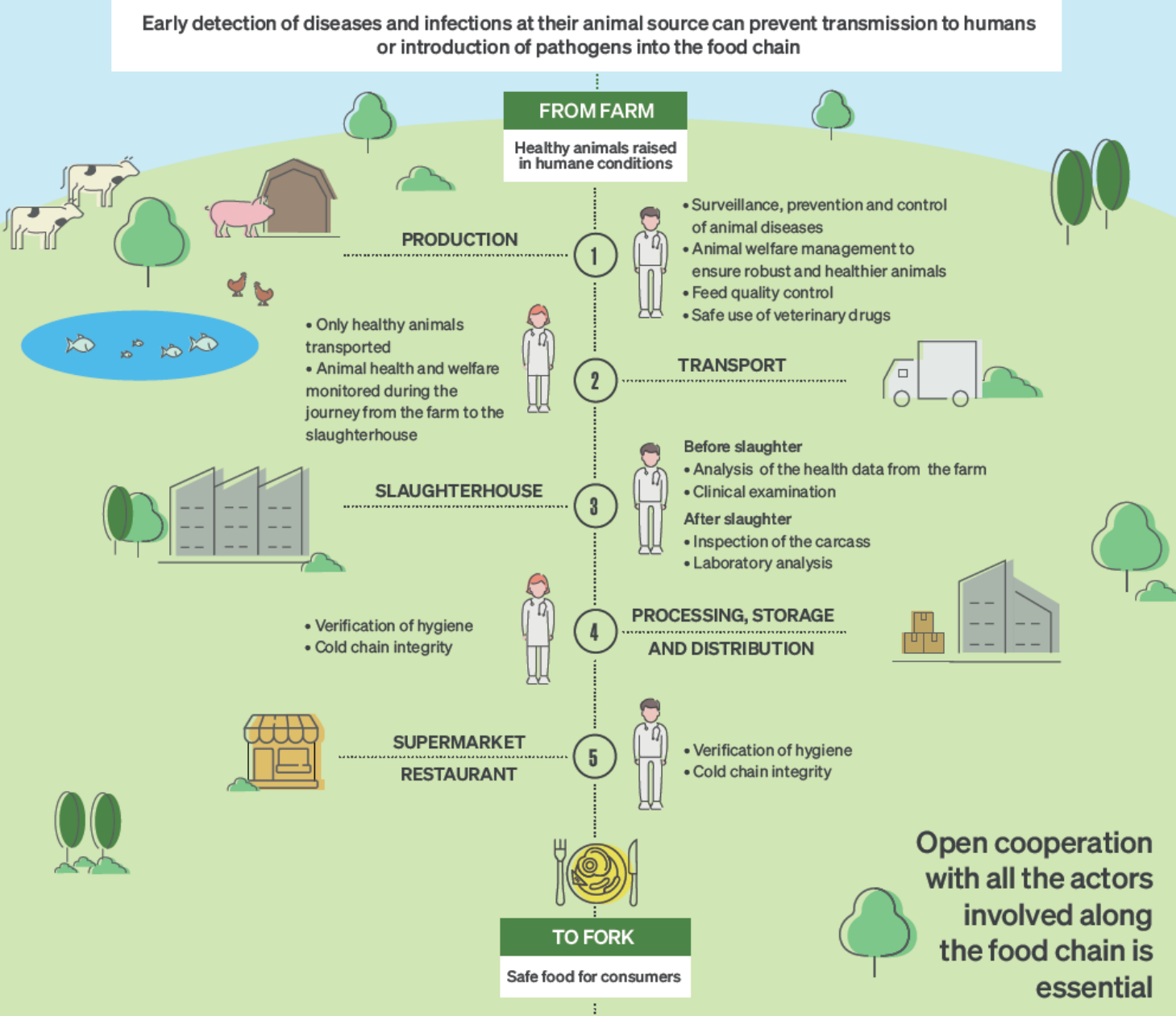
World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

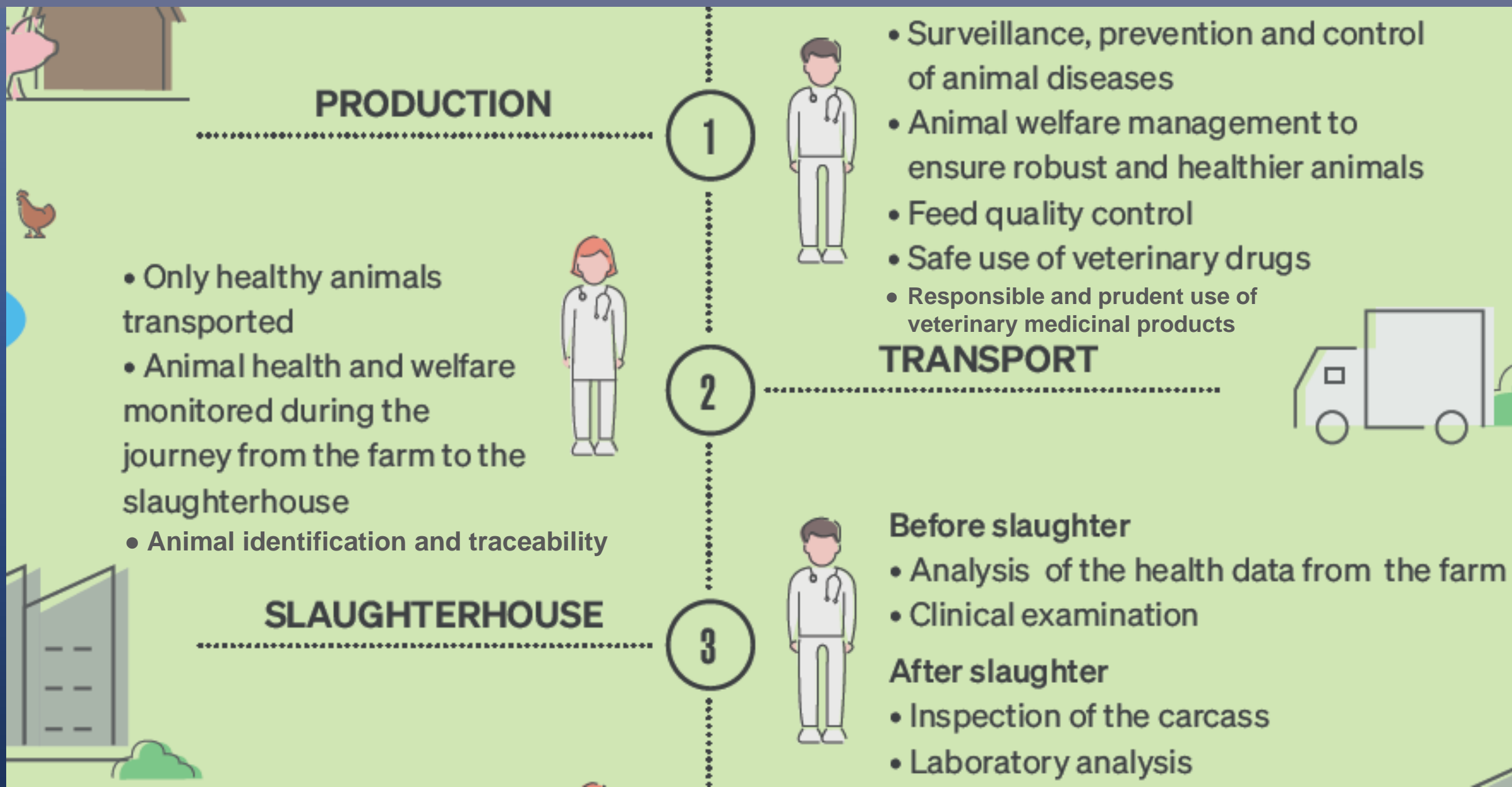


The Role of Veterinary Authority in Food Safety



- Responsibilities depend on the national structure of food safety systems
- Responsible for developing policies, legislation and regulations relevant to food safety thereby contributing to ensuring the safety of food of animal origin

The Role of Veterinary Services in Food Safety





The Role of Veterinary Services in Food Safety

The implementation of appropriate sanitary controls when trading animals and animal products can ensure food safety.



air



land



sea

Improve #animalhealth = Improve #foodsafety

- WOAAH and its food safety activities



#OIEInternationalStandards help prevent potential hazards from entering the food chain.

Improve #animalhealth = Improve #foodsafety

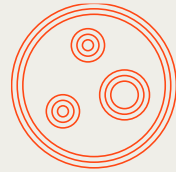


World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

Roles of WOAH in Food Safety



Laboratory Manual

Diagnosis and vaccine testings



Import Risk Analysis

Guideline for import risk analysis
Safe commodities



Domestic and Wildlife

Country animal disease status through
WAHIS



Health Code

Terrestrial and Aquatic Code



Reference Laboratories

Disease specific reference laboratories,
Collaborating centres



Disease Prevention and Control Guideline

to contain / eradicate animal diseases, to
promote safe trade



Surveillance

Guideline for terrestrial and aquatic
surveillance



Inactivation and Disposal

Guideline to inactivation of pathogens to
prevent disease spreading and to
promote safe trade, Guideline for
carcass disposal to prevent disease
spreading



WOAH

- Improving Veterinary Services
- Expertise Network
- Safe Trade of Animals
- Self-declared Disease Status
- Emergency and Resilience



Thank you

12, rue de Prony, 75017 Paris, France
T. +33 (0)1 44 15 19 49
F. +33 (0)1 42 67 09 87

woah@woah.int
www.woah.org

[Facebook](#)
[Twitter](#)
[Instagram](#)
[LinkedIn](#)
[YouTube](#)
[Flickr](#)



World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

