

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

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WOAH FOOD SAFETY WEBINAR



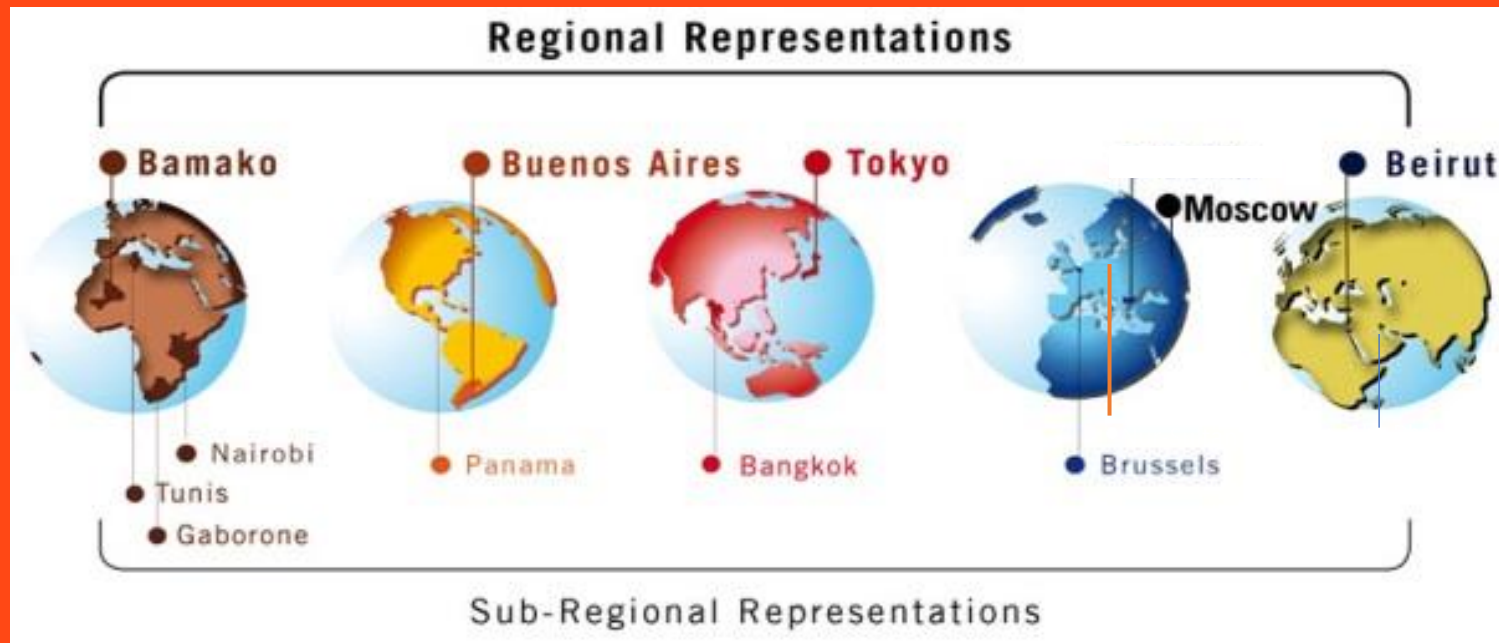
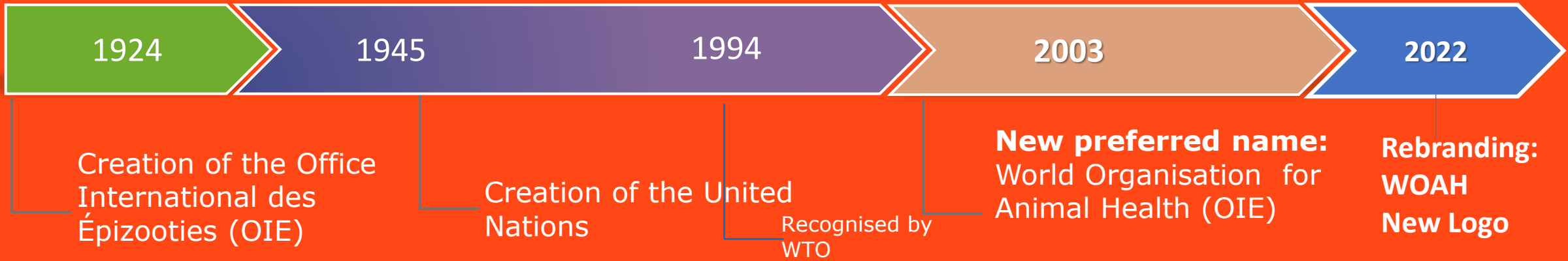
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# WOAH founded as OIE



## 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.



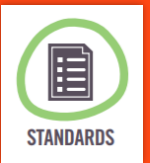


# World Organisation for Animal Health (WOAH)

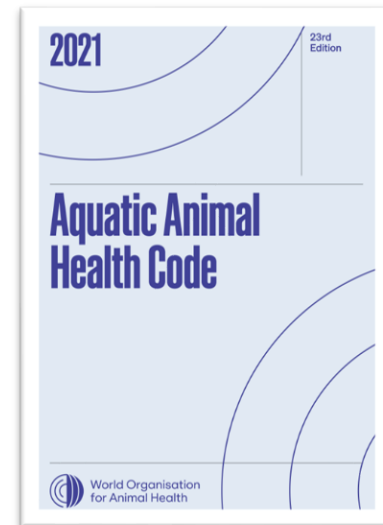
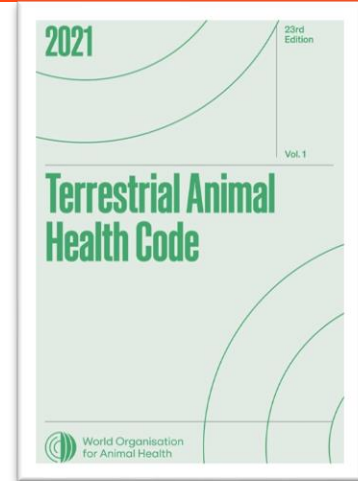
## 4 Core missions







- 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](#) →

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# 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

The screenshot displays the WAHIS (World Animal Health Information System) website. At the top, there is a navigation bar with 'Analytics', 'Reports', and language options 'EN', 'FR', 'ES'. Below the navigation bar, a blue banner contains the text: 'To receive animal disease alerts, subscribe to the distribution list.' The main heading is 'WAHIS: World Animal Health Information System'. A descriptive paragraph follows: '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.' To the right of the text is a photograph of a herd of sheep in a mountainous landscape. Below this is a section titled 'Latest animal disease events' which includes a world map and a table of recent 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



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# 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

## World Animal Health



Online  
Permanently  
updated

## Scientific and Technical Review



3 times a year

## Code

Once a year



## Manual







## SECTION 2:

# Role of WOAAH on Food Security



# Food Security

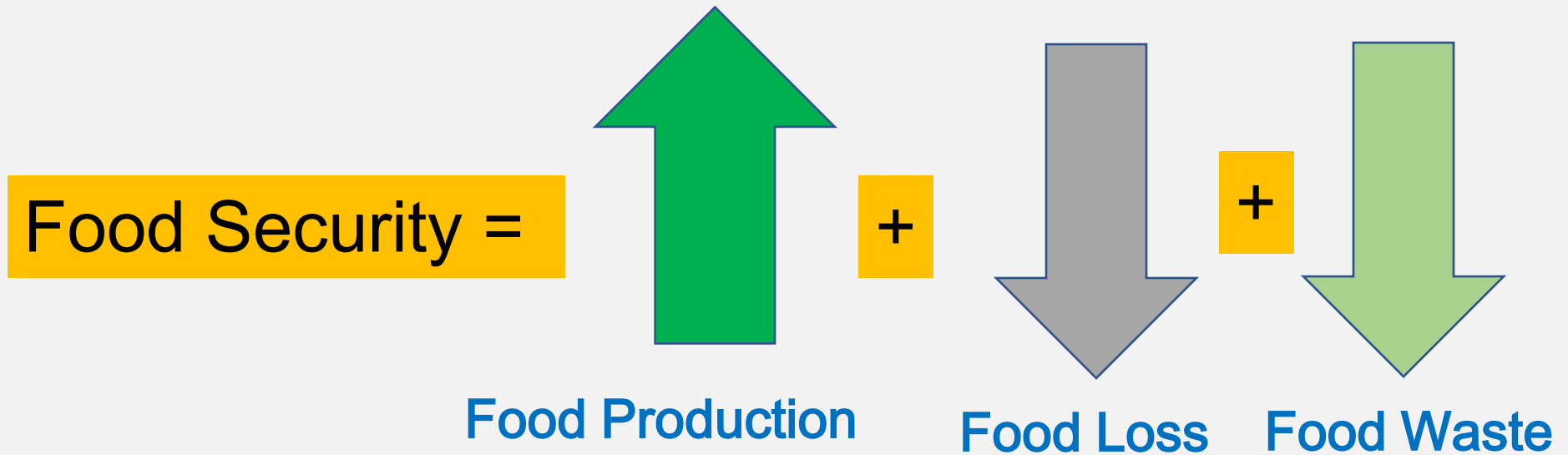
Food Security =



Food Production



# Food Security



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

# Role of WOAH 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



ราคาเนื้อหมูจีนพุ่ง หลังโรค  
อหิวาต์สุกรแอฟริกันระบาด

African Swine Fever in 2019



Bird flu in Hongkong

Photo from Google search



# SECTION 3 : ROLE of WOAAH in FOOD SAFETY



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Improve  
#Animal Health

=

Improve  
# Food Safety

Preventing foodborne diseases  
at the source...



...is key to protecting  
#humanhealth.



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# 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.



**production**



**transport**



**manufacturing**



**distribution**



**retail**



**restaurants**



**consumption**

**#FoodSafety**





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# 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)



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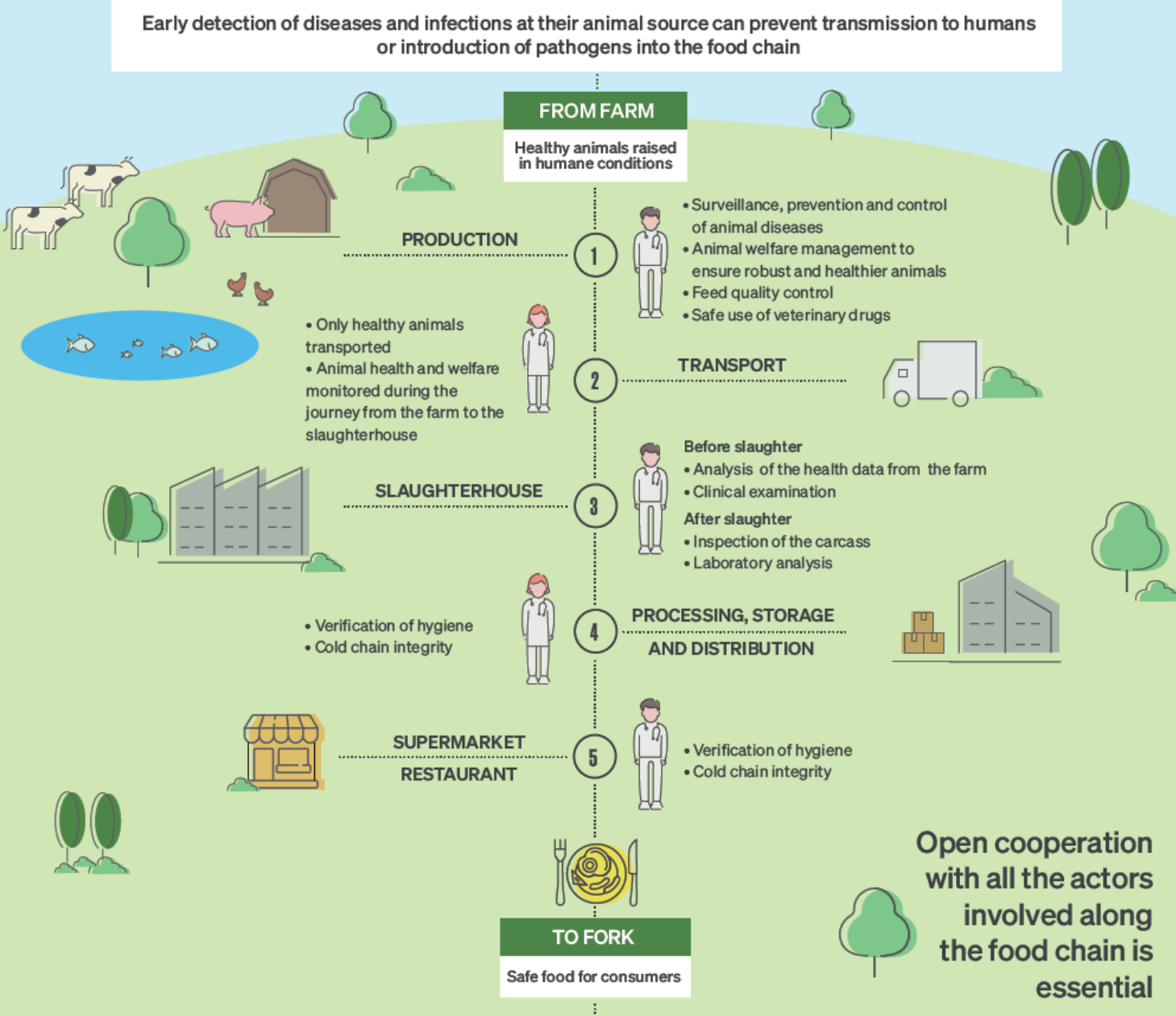
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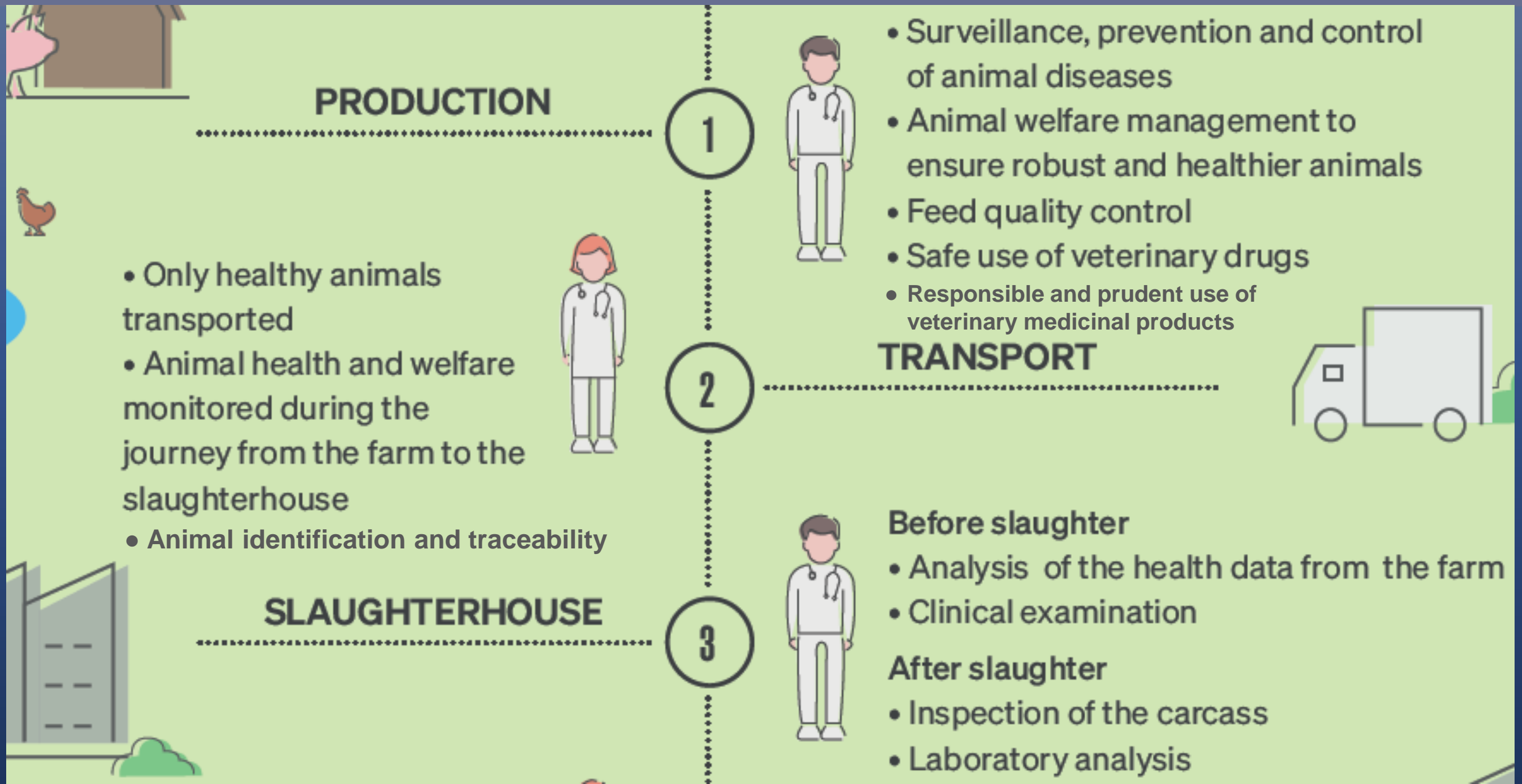


# The Role of Veterinary Authority in Food Safety



- 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

- WOAH and its food safety activities



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

**Improve #animalhealth = Improve #foodsafety**



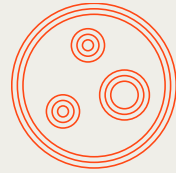
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## Roles of WOAH in Food Safety



### 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

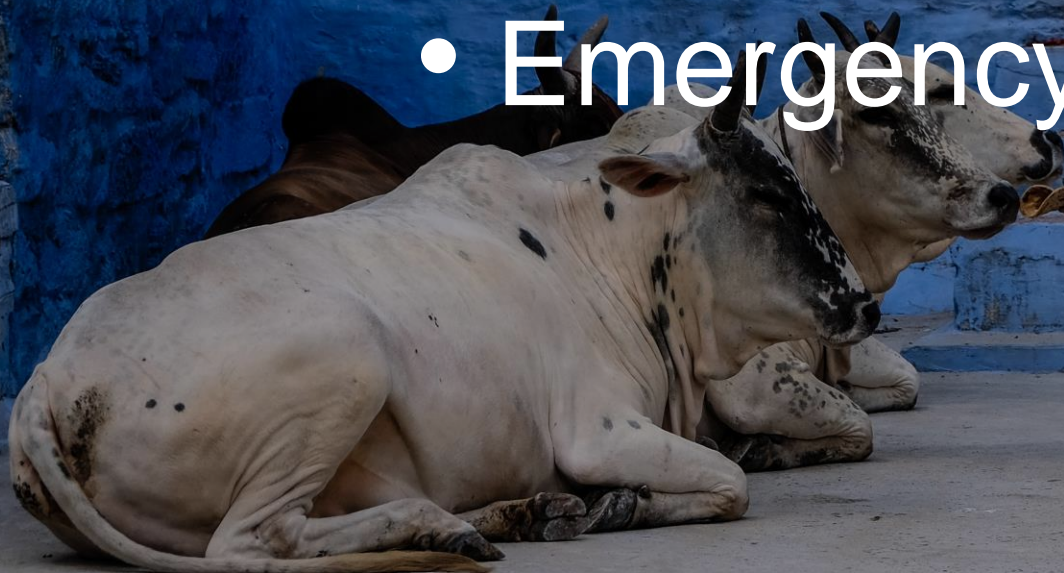
Guideline to inactivation of pathogens to  
prevent disease spreading and to  
promote safe trade, Guideline for  
carcass disposal to prevent disease  
spreading





# WOAH

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





# Thank you

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