WOAH Food Safety CC Webinar

# Approaches and research to reduce antimicrobial use

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### Antibiotic resistance is a global concern

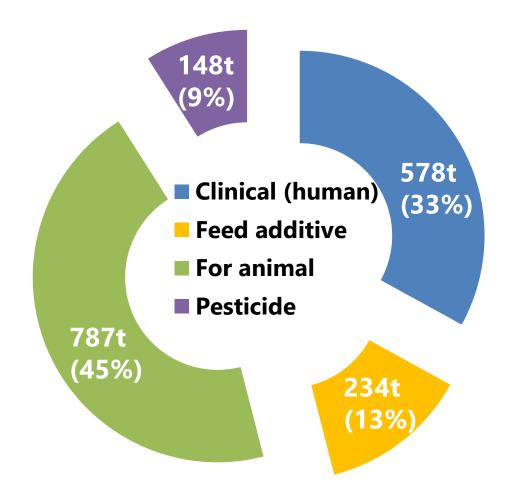
- WHO has declared that antibiotic resistance is one of the top 10 global public health threats facing humanity.
- It has been predicted to lead to 10 million casualties annually by 2050.



Korth America 317,000 Latin America 392,000 Africa 4,150,000 Ceania 22,000 Source: Review on Antimicrobial Resistance 2014  Since the establishment of AMR Global Action Plan in 2015, national plans have been published and implemented.

 In the action plan, there is also mention of the use of antibiotics in the field of veterinary medicine.

#### The amount usage of antibiotics in Japan



#### Many antibiotics are used for animals.

## Using antibiotics and selection and emergence of ARBs are clearly related

## Prudent use of antibiotics are required

## The seminar updates the latest efforts in approaches and researches to reduce antibiotics in terrestrial and aquatic animals

## **Today's Program**

- Lecture 1. Recent activities of WOAH AMR Working Group
- Lecture 2. Building a Sustainable Integrated AMR Surveillance Capability in Singapore and the ASEAN region

• Lecture 3. Risk assessment trials for vegetables and aquaculture

• Lecture 4. Antimicrobial use guidance for farmers using DDD<sub>VET</sub>