

Antimicrobial Resistance (AMR)

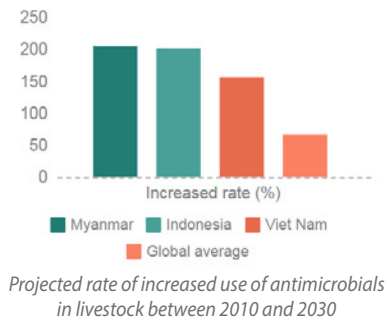
Addressing Antimicrobial Usage in Livestock Production Industry

WHAT IS AMR?

Antimicrobial resistance (AMR) is a natural phenomenon in which microorganisms such as bacteria, viruses, fungi and parasites adapt to antimicrobial agents and cause medications to be ineffective for its curing purpose. AMR is often the consequence of any use of antimicrobial drugs, exacerbated by inappropriate use.

GAPS TO ADDRESS ON AMR

Uncontrolled use of antibiotics for disease control and treatment or growth stimulation in livestock, have increased resistance to antibiotics of bacteria that can reach humans through the food chain. Especially in Viet Nam, the problem of antimicrobial overuse or abuse in poultry and pig farms is worse due to **weak law enforcement** and **drug-use monitoring**. Also, due to the growing demand for animal protein, Viet Nam is one of three countries in the region to be projected to see the greatest increase rate in antimicrobial use in livestock between 2010 and 2030. In order to ensure food safety and minimize the AMR effect in human, well designed interventions in antimicrobial usage in the livestock production industry is necessary.



HOW CAN RESISTANCE SPREAD FROM THE FOOD CHAIN?

Antibiotics overdosed or used as growth promoters

When antibiotics are improperly used to animals, it could result in developing bacteria, aka superbugs, that are antimicrobial resistant. They could be passed to people who often have direct contact with animals or could linger in improperly cooked meat. Also, fertilizer or water containing animal feces can spread antimicrobial resistant bacteria to food crops.

FAO ACTIVITIES

Objective

A more prudent use of antimicrobial in the livestock production industry in Asia/Viet Nam to contain the development and spread of AMR

