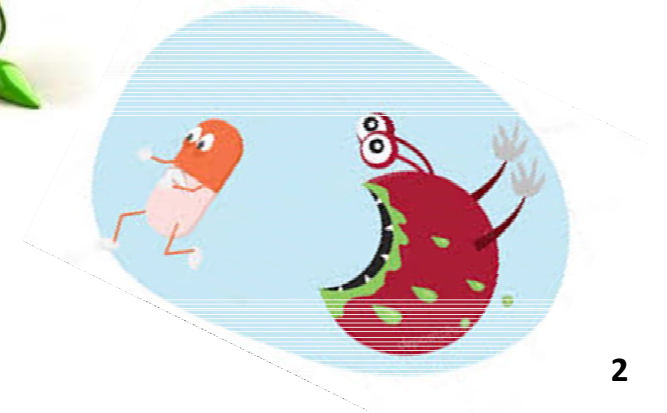


OIE Sub-regional workshop on the  
database on antimicrobial agents  
intended for use in animals in Eastern  
and Southern Africa

# ANTIMICROBIALS' USE: Interaction with pharmaceutical industry and wholesalers

**Dr RAMAHATAFANDRY Ilo Tsimok'Haja  
MADAGASCAR**



*29 -31 October, Mombassa*

# OUTLINE

- Context
- Antimicrobial importation
- Antimicrobial use
- Distribution channel for veterinary drugs
- Constraint and perspectives on antimicrobial use in Madagascar



# Context

- Antimicrobial agents are essential for animal health
- Misuse/ overuse lead to germ resistance
- Human and animal health global issue
- Veterinary drug importation regulated
- National Action Plan against AMR

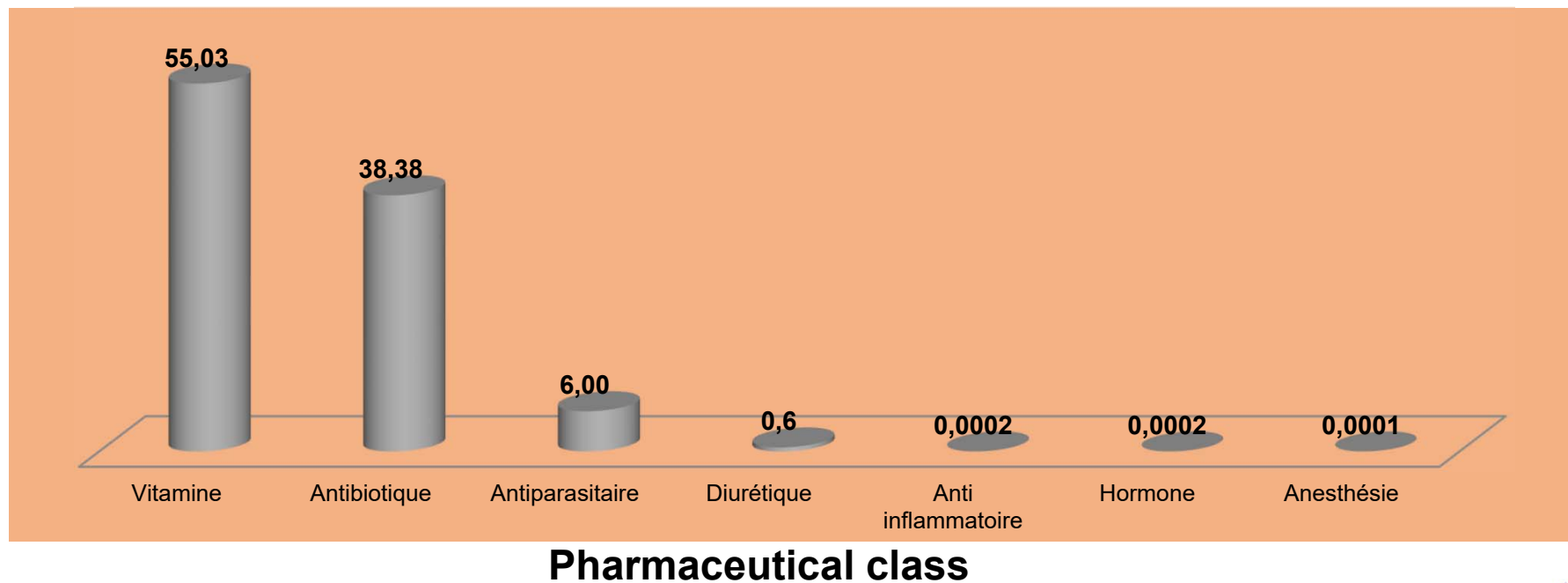


# ANTIMICROBIAL IMPORTATION FOR VETERINARY USE

- Importation regulated
- Importation process
- Importer numbers: 20 of which 14 functionals

## VETERINARY DRUG IMPORTATION VOLUME

(n = 151 000 kg)

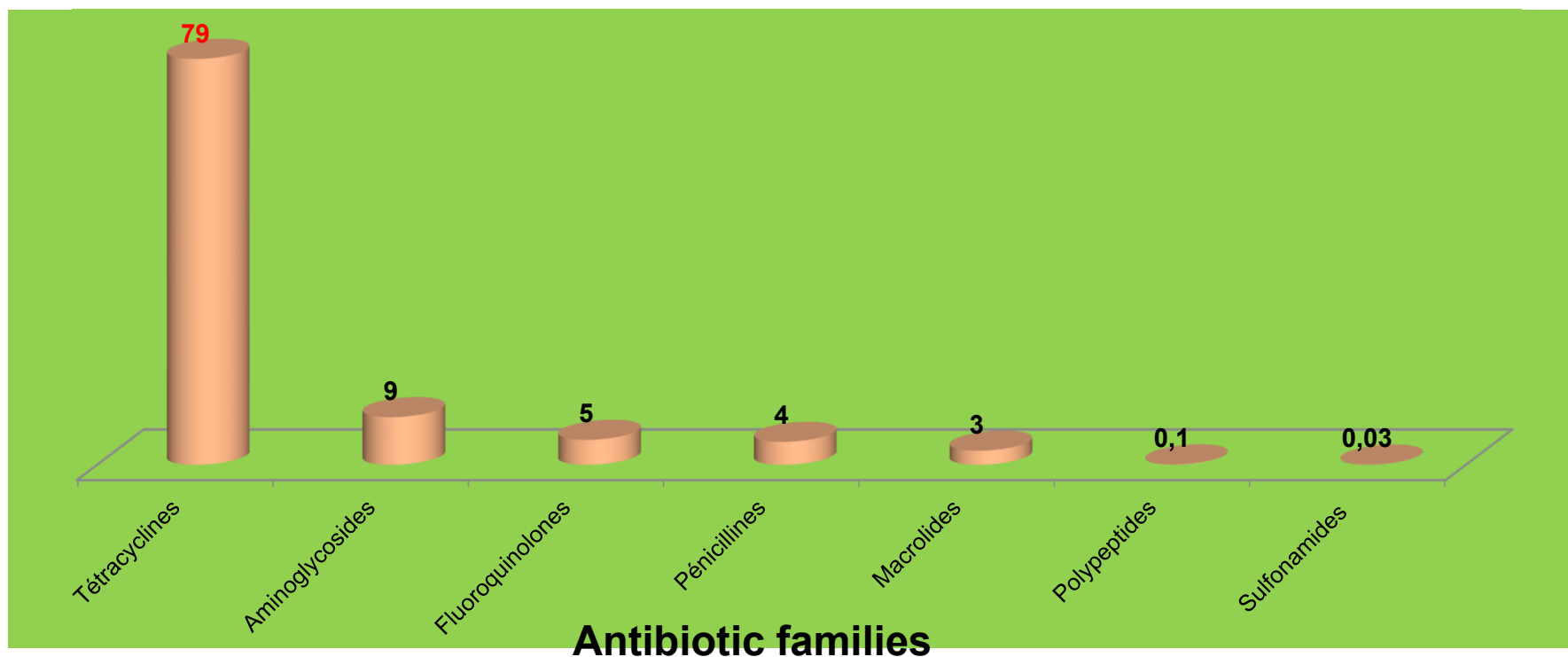


Source: DSV 2018



# ANTIMICROBIAL IMPORTATION FOR VETERINARY USE

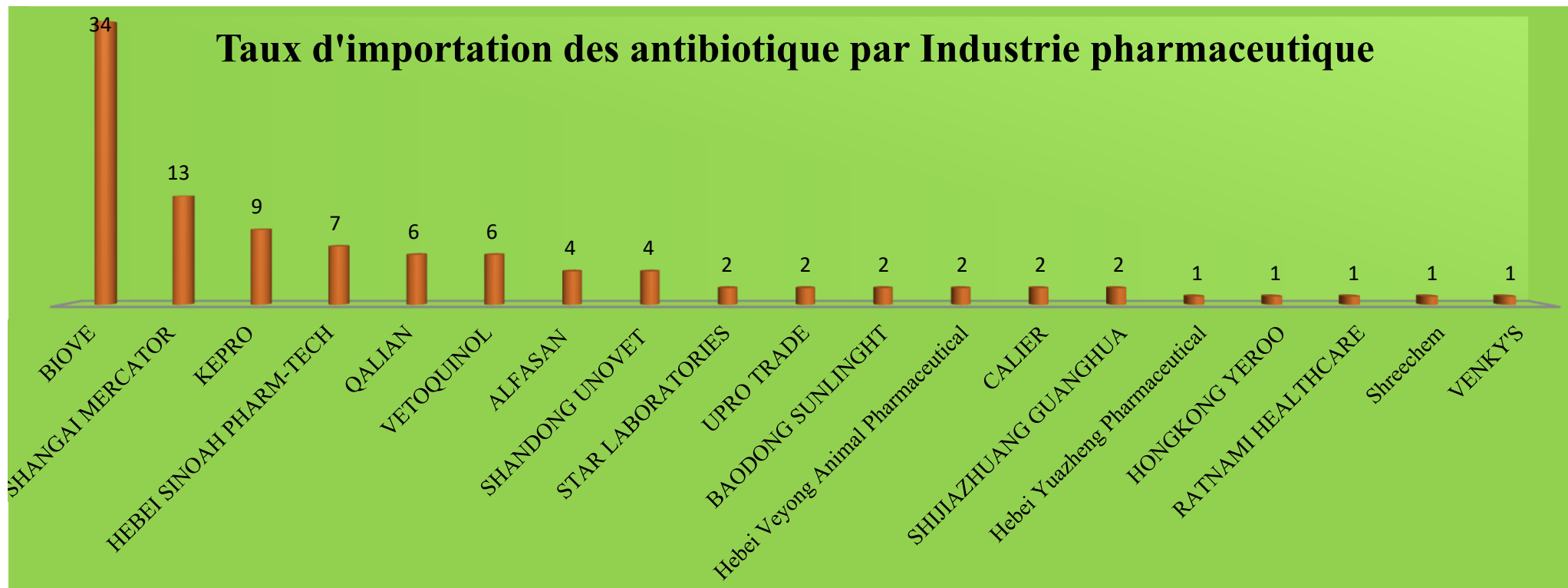
ANTIBIOTIC IMPORTATION VOLUME (%) n = 57 393 kg



Source: DSV 2018



# ANTIMICROBIAL IMPORTATION FOR VETERINARY USE

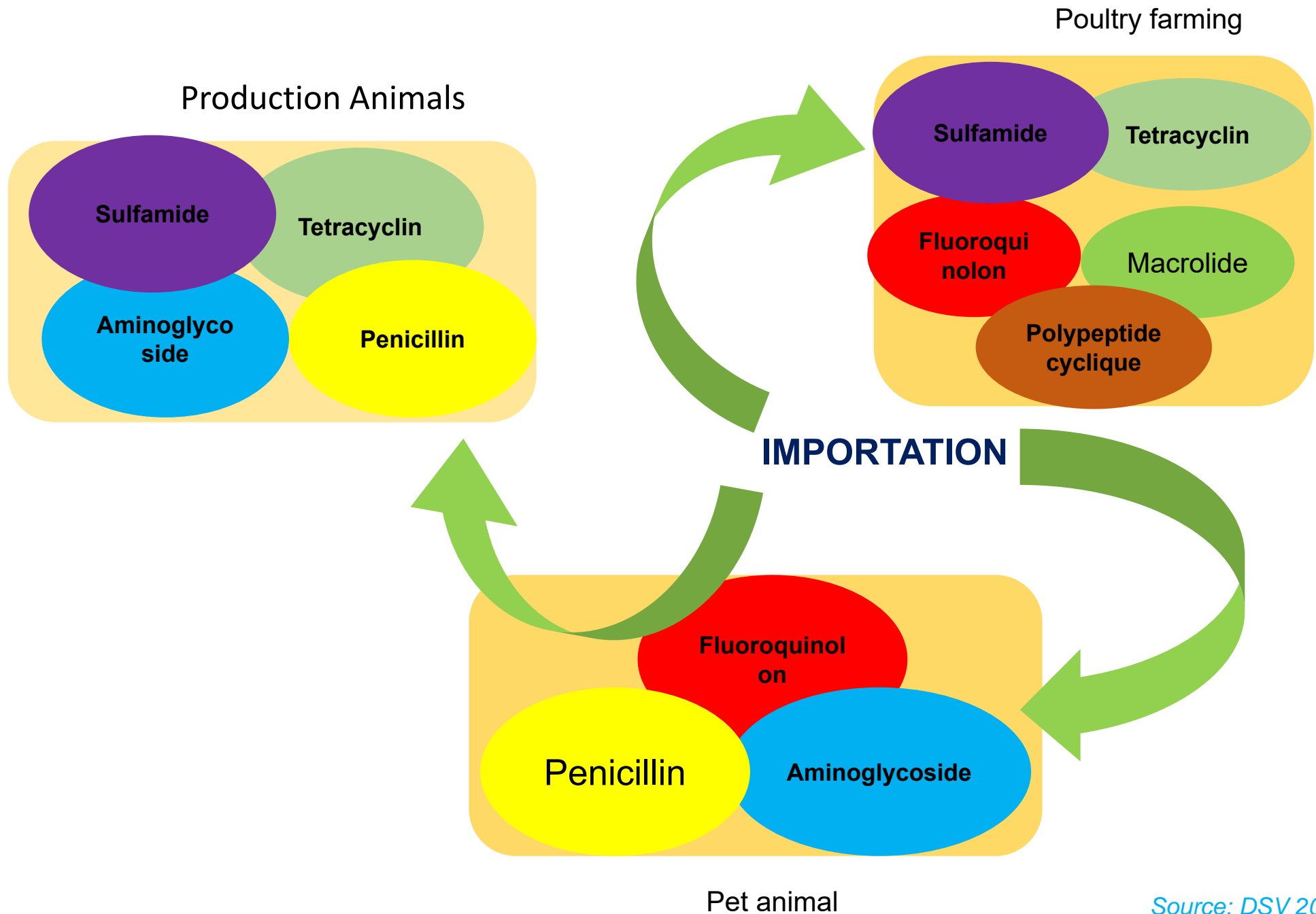


Industrie pharmaceutique

Source: DSV 2018



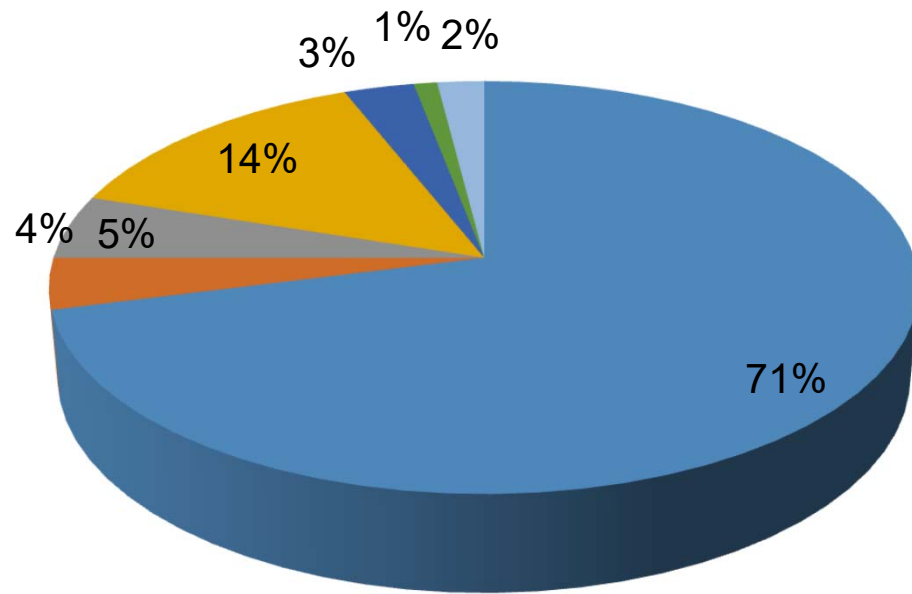
# VETERINARY ANTIMICROBIAL USE





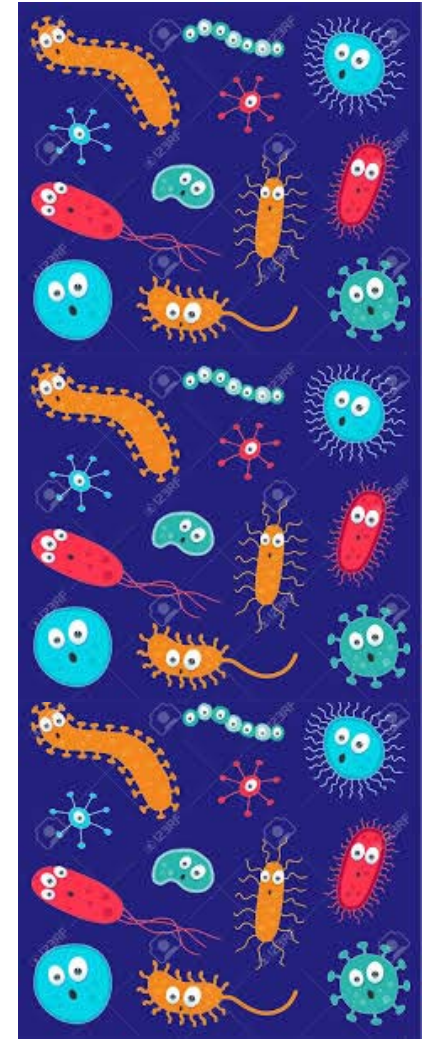
# VETERINARY ANTIMICROBIAL USE

Antibiotic use in ASF- ASF-producing terrestrial animals  
(n= 6948 kg)

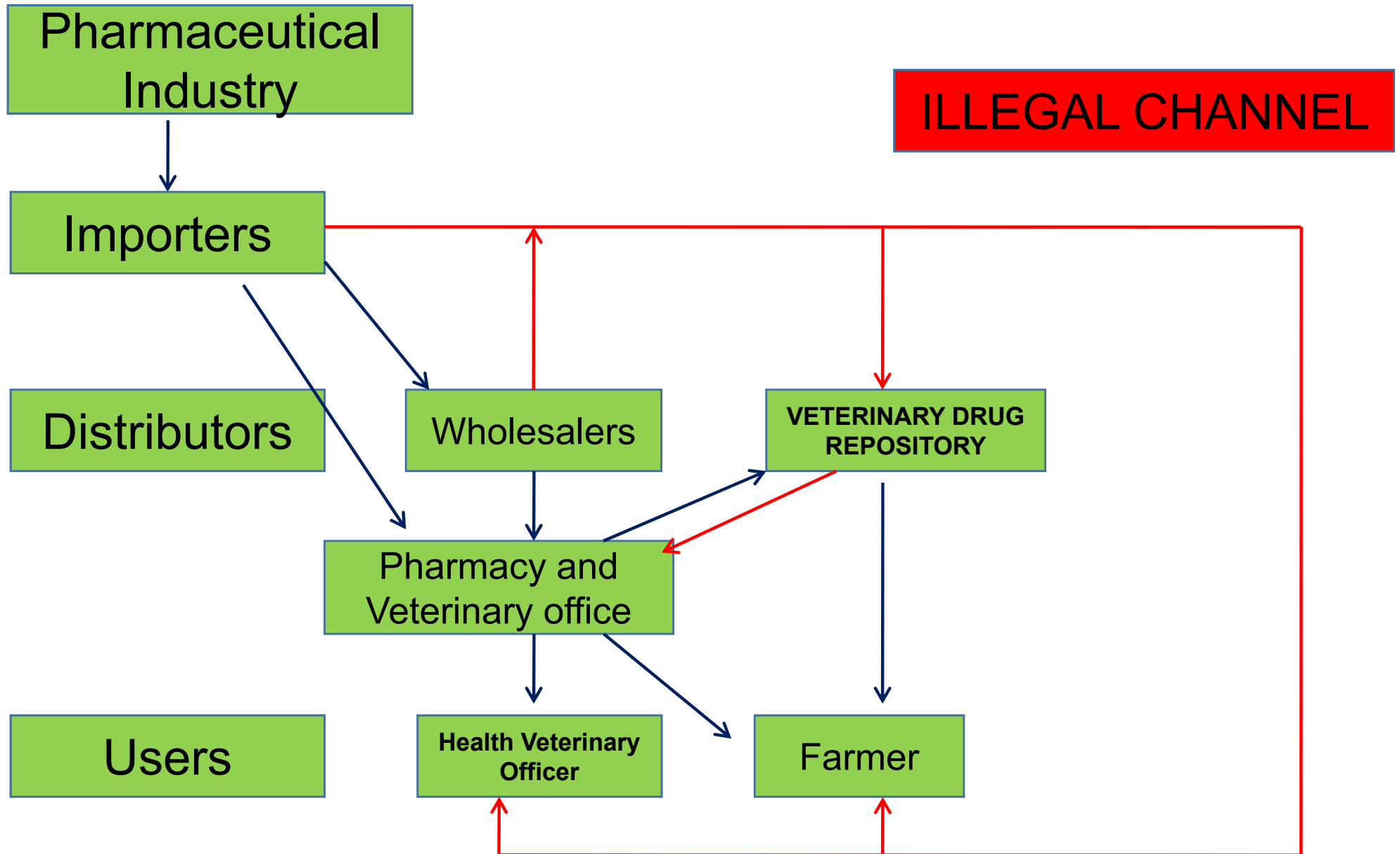


- Tétracyclines
- Aminoglycosides
- Fluoroquinolones
- Pénicillines
- Macrolides
- Polypeptides
- Sulfonamides

Source: DSV 2018



# DISTRIBUTION CHANNEL OF VETERINARY DRUGS



## CONSTRAINTS

- Regulatory texts not up to date (antibiotic use unregulated)
- Existence of illegal markets
- Marketing authorization (MA) commission non functional
- No laboratory for VM control



# Perspectives to address antimicrobial resistance

- UPDATE OF REGULATORY TEXTS CONCERNING VETERINARY MEDICAL PRODUCTS
- ESTABLISHMENT OF THE MARKETING AUTHORIZATION COMMISSION
- CONTROL AT DIFFERENT LEVELS: producer, importers, wholesale distributor, VM depository, V office
- IMPLEMENTATION OF AMR SURVEILLANCE SYSTEM





**THANK YOU FOR YOUR  
ATTENTION**