



**RÉPUBLIQUE
FRANÇAISE**

*Liberté
Égalité
Fraternité*



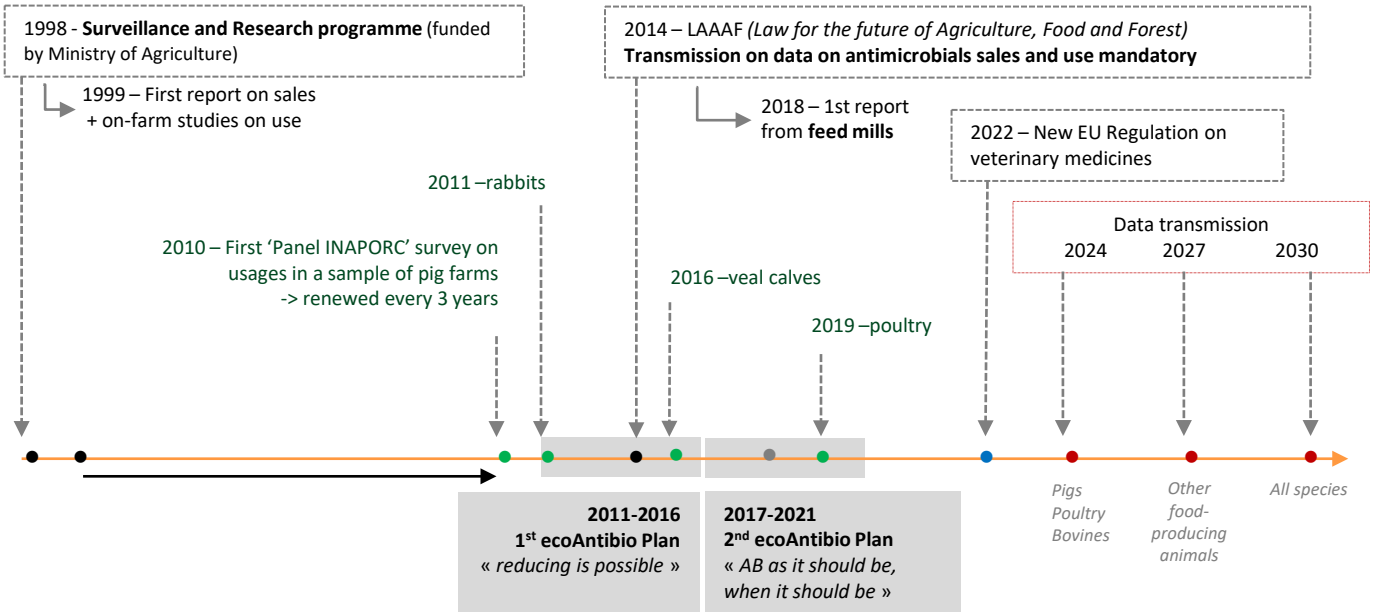
anses

DATA COLLECTION ON SALES AND USE OF ANTIMICROBIALS IN FRANCE

Preparation to the new regulation

1. Background and Context

Surveillance systems implemented in France



Objective: “to provide veterinarians and farmers with straightforward tools for self-evaluation of antibiotic prescription and use, along with more precise nationwide monitoring of the sales of antibiotics”

Regulation (EU) 2019/6 on VMPs

Specific actions for AM Data collection



Extended collection of antimicrobial sales data (mandatory and voluntary scope)



Collection of data on use of antimicrobials in animals (stepwise approach)



Requirement to set up continuous (semi)automated data collection system or other appropriate systems that enable direct or indirect evaluation of use at farm level



Data quality requirements and Data quality management plan

2022 – New EU Regulation on veterinary medicines

Data transmission
2024 2027 2030

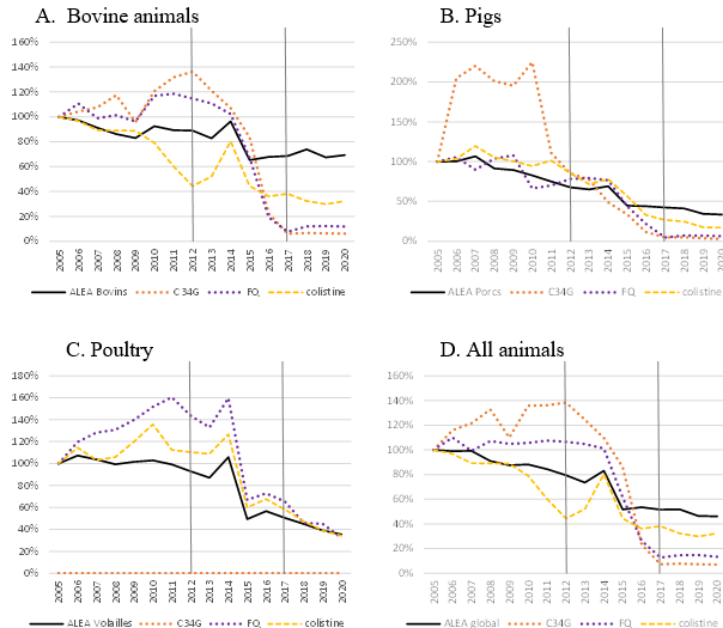
Pigs
Poultry
Bovines

Other
food-
producing
animals

All species

Outcomes

1. Data on sales since 1999, with per species estimates (process under quality assurance) -> trends / achievements



Trends in animals exposure (in ALEA) since 2005 (all antimicrobials in black)

→ Sales of antimicrobials decreased by 45% since 2011 (2020 data, in ALEA):

bovine animals -23 %,
pigs -56 %,
poultry -64 %,
rabbits -40 %.

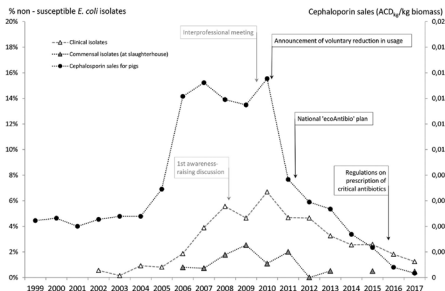
(Source : national report ANSES-ANMV 2021)

Outcomes

1. Data on sales since 1999, with per species estimates (process under quality assurance) -> trends / achievements
2. Complementary detailed information from data collection systems on use involving professional bodies, technical institutes, veterinarians, farmers and Anses

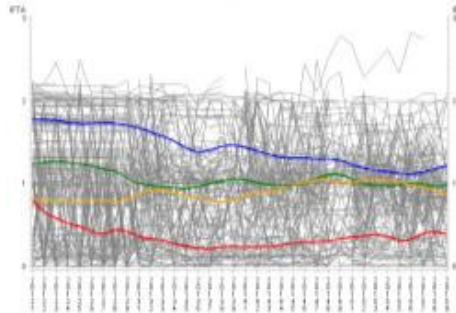
Better knowledge of practices to inform decisions

Example of cephalosporines voluntary withdrawal in pig production (Verliat *et al.*, 2021)



Better understanding of trajectories heterogeneity

Example in rabbit production
To adapt training/coaching



Building references for self-evaluation

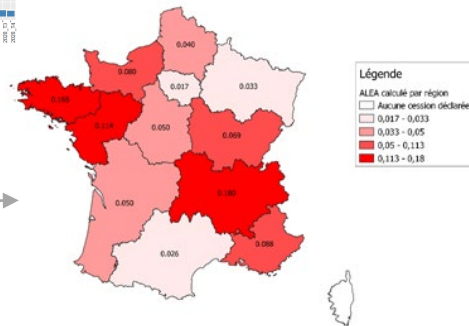
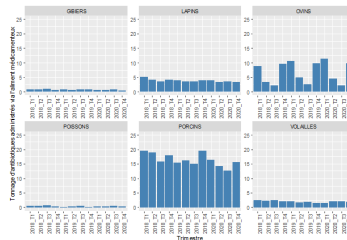
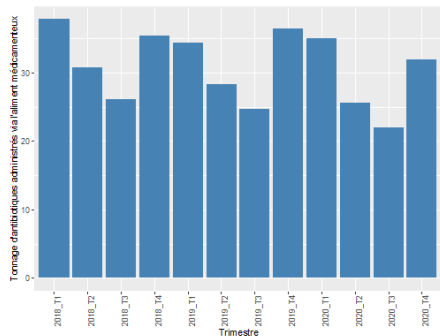
Example in poultry production
To get quarterly estimates for broilers and turkeys

RefA²vi

Outcomes

1. Data on sales since 1999, with per species estimates (process under quality assurance) -> trends / achievements
2. Complementary detailed information from data collection systems on use involving professional bodies, technical institutes, veterinarians, farmers and Anses
3. Analysis of deliveries from feed mills

(Source : national report ANSES-ANMV 2021)



Context

The different data collection systems on use of antimicrobials were set-up considering professionals requirements, constraints and objectives.

The new EU regulation requirements are not fulfilled.

Due to limited coverage (i.e. samples) or missing data (e.g. antimicrobial compound in rabbit production)

→ A new data collection system to be conceived and implemented

Can deliver

In 2020, in France:

- 19 530 **veterinarians** - 7 976 veterinary practices
(10 100 veterinarians for companion animals only)
- 55 850 **pharmacists** – 22 510 dispensaries
- > 180 **feed mills**
- 172 000 farms

Data collection system ✓

2. Future



Calypso

→ A project called « Calypso »

An information system including other data transmission and consultation tools,
in a broader view of the veterinarians activities in the veterinary public health framework.

Priority business process on data collection on use of antimicrobials

- Discussed since 2014
- Prepared since 2017
- Managed by the French Veterinary Council (official mandate from the French Ministry of Agriculture)

- Based on deliveries and prescription data collection
- From softwares/practice management systems in use

- All species considered (with priorities)
- Individual reporting (self-evaluation, follow-up improvement)

Strength and weakness



Veterinarians involvement
Workload limitation objective
Previous experience and knowledge
Usefulness of data recognized
Adhesion to self-evaluation objective
Part of a global information system



Numerous actors
and various cases to consider
Regulation to adapt
Budget
Time constraint

A challenge for veterinarians and national authorities

« Work in progress »...