

# Approach suggested by EMEA on European Surveillance of Veterinary Antimicrobial Agents Consumption (ESVAC)

---

*by*

*Kari Grave, Jordi Torren and David Mackay*

# Approach

---

A multiphase approach including four partly overlapping phases

- Phase I: Investigation phase (state of the art – almost completed)
- Phase II: Pilot project
- Phase III: Collect and report overall national data from all MS
- Phase IV: Collect and report data per species


# Phase I. Investigation phase

---

- Existing data/surveillance programs identified (for 10 European countries) and evaluated
- Outcome
  - ◆ Data not reported in a harmonized way amongst countries
  - ◆ Not possible to identify use of 3<sup>rd</sup> and 4<sup>th</sup> generation cephalosporines (CIA)
  - ◆ Use of combination preparations (two or more active ingredients) usually not reported (important in relation to measures regarding prudent use)
  - ◆ Inclusion criteria for AM agents not given (important to evaluate if data are complete/reliable)
- The data on usage in animals (2007) included in *Joint Opinion on antimicrobial resistance (AMR) focused on zoonotic infections*

# Phase I. Investigation phase cond.

---

- 
- A vertical blue bar with five yellow stars is positioned on the left side of the slide, mirroring the design of the European Union flag.
- Data on the consumption of antimicrobial agents in human medicine in Europe have been collected since 10 years within the frame of the European Surveillance of Antimicrobial Consumption (ESAC) funded by the ECDC.
  - Collect information regarding approaches for the establishment and management of the ESAC program and database


## Phase II. Pilot phase

---

- Expert group will be established
- General role of expert group in pilot phase will be
  - ◆ To provide advice to ESVAC on how to develop a harmonised approach for the collection of data on veterinary AM agents
  - ◆ To assist ESVAC in advisory activities as requested by MS setting up surveillance programs on veterinary AM agents for the first time (Overlapping with Phase III).

## Phase II. Pilot phase cont.

---

- 
- A vertical blue bar with five yellow stars, positioned on the left side of the slide.
- In the pilot phase (together with the expert group) protocol and templates to be developed for collection of
    - ◆ Data on sales
    - ◆ Population data
    - ◆ To be finalized: March 2010

## Phase III. Collecting data in MS

---

- For data on sales
  1. ESVAC will provide MS with template(-s) for collection of standardized data on sales at national level (Number depends on whether data required in point 2 is possible)
  2. ESVAC will provide template for the collection of data on products (may not be feasible to collect such data for all countries at this point)
- For population data
  1. ESVAC will provide protocol for collection data on animal population “at risk”

## Phase III (overlaps phase II). Collecting data etc in MS cond

---

- ESVAC will provide assistance to MS on
- Implementation of templates
  - Other issues  
as requested by MS



## Phase III. Collating etc data by ESVAC

---

- Once a year MS will be asked by the ESVAC to provide data to according to protocol, template and format (Excel?)
- ESVAC will process, analyse and summarize data in a harmonized way
- MS will be asked to validate their own data prior to publication

## Phase III. Various

---

- The ESVAC will arrange annual meetings with those national representatives (NR) that provide data