



# **EU Strategy to combat the rising threats from Antimicrobial Resistance — Veterinary and Food Safety Aspects**

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## Communication from the Commission to the European Parliament and the Council

Action plan against the rising threats from Antimicrobial  
Resistance

COM (2011) 748



# AMR a public health priority!

COM (2011) 748 – 17 Nov 2011

- 5 year action plan
- Holistic approach
- 7 key areas
- 12 concrete actions

## The 7 areas in where action is needed

- **Appropriate use** of antimicrobials (humans and animals)
- **Prevention** microbial infections and their spread
- Development **new** effective **antimicrobials** or **alternatives** for treatment
- Improvement monitoring and **surveillance** (human and animal medicine)
- Cooperation with **international** partners to contain the risks of AMR
- Promotion **research** and **innovation**
- Improvement **communication**, education and training



## **Action 2 & 3:**

# **Appropriate use of antimicrobials in veterinary medicine**





## **a) Strengthen the regulatory framework on veterinary medicines and medicated feed**

### **Revision legislation on veterinary medicinal products**

**On 10 September 2014 the Commission adopted a proposal on veterinary medicines**

The proposal gives new regulatory tools to the Commission and Member States to reduce the risks to human and animal health of the use of antimicrobials in animals





## Addressing antimicrobial resistance

- Promoting prudent use:
  - restriction off-label use
  - supply and advertising
- Comprehensive evaluation of new marketing authorisation applications
- Ensuring that risk-benefit balance remains favourable of authorised antimicrobials
- Providing legal tool for preserving critical antimicrobials for the treatment of human infections
- Establishing an effective and harmonised monitoring system of veterinary antimicrobials





**b) Strengthen the regulatory framework on medicated feed**

**→ Revision medicated feed legislation**

**On 10 September 2014 the Commission adopted a proposal on medicated feed**

- avoid carry-over of AMs into non-target animal feed
- Medicated feed containing AM: use not allowed to prevent diseases

**c) Use existing legal tools to ensure prudent use:**

- Initiate evaluation of antimicrobials on the market (referrals): colistin and updated priority list of EMA

**d) Guidance document on prudent use vet. antimicrobials:**

Complementing other actions: legal tools, research





## **Action 5:**

**Prevention of microbial infections and  
their spread  
(animal health)**







## EU Regulation on Animal Health

- Scope: Prevention and control of **transmissible diseases** (*microbial ones, certain zoonotic*)
  - Preventive driven approach: improvement animal health and biosecurity measures, good farming practices
  - With clear responsibility for all players for animal health
  - Prioritising EU intervention
    - Different disease preventive and control measures may apply (surveillance, eradication, other control measures)
    - Legal basis monitoring AMR in animal pathogens (technical advice EFSA needed)
- “Prevention is better than cure”**





## **Action 7:**

**Need for new antimicrobials  
vet. Medicine and alternatives**





# Development of new antimicrobials or alternatives for treatment

- *Scientific advice on the need of new AM in vet medicine and its repercussion on AMR*
- *Development of diagnostic tools → better targeted treatments  
identification pathogens sensitivity against antimicrobials*
- *Development of vaccines or other preventive measures*



## **Action 10:**

# **Surveillance systems (veterinary medicine)**



## a) Monitoring Consumption of AM → ESVAC

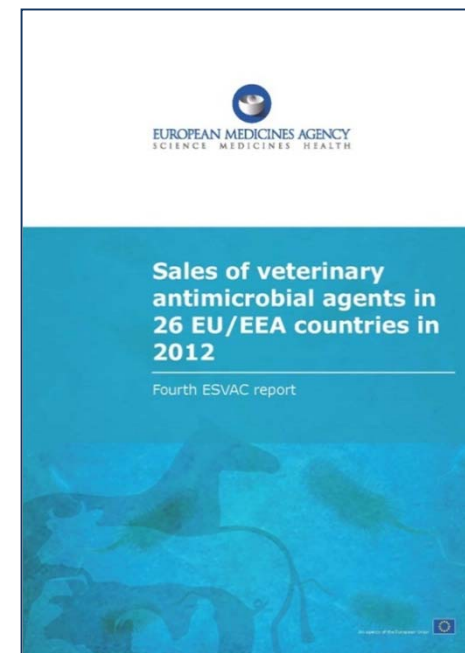
European Surveillance Veterinary Antimicrobial Consumption

### Conclusions 4<sup>th</sup> ESVAC report (15/10/2014)

(Data for 2012: 26 EU/EEA countries)

**15% DECREASE IN SALES OF VET. MEDICINES 2010-2012  
(18/20 countries)**

- Collection data by species →  
start pilot project pigs: testing phase  
5 farms/9 MS
- Units of measurement → 2015  
Guidelines on how to assign technical  
units of measurement (DDD)



## b) Monitoring AMR in animals/food

**Decision on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria (2013/652/EU) → into force 2014**

- Based scientific advice EFSA
- Certain animal populations/food
- Zoonotic bacteria and indicators: better harmonization and comparability
  - Member States
  - Allows comparison with resistance in humans
- Monitoring ESBL/AmpC/carbapenemase-producing bacteria  
→ EURL protocol <http://eurl-ar.eu/233-protocols.htm>  
Validation + Expert meeting for endorsement  
Training by EURL (all NRL + 3<sup>rd</sup> countries)



Data of the surveillance/monitoring systems in human and veterinary medicine



At request European Commission



Joint report 3 agencies (ECDC/EFSA/EMA) on the analysis of the relationship between consumption of antimicrobial agents and the occurrence of AMR

**ADOPTION DECEMBER 2014**  
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# **Action 12:**

## **Communication, education, training**







- **BTSF**  
2015-16 → AMR training
- **EURL-AR**  
Training National Ref. Labs (EU and selected 3<sup>rd</sup> countries)
- **European Antibiotic Awareness Day 2014**  
Self medication  
Stockholm, 17 November 2014, ECDC  
Participation of Copa Cocega /FVE
- **Road map** [http://ec.europa.eu/dgs/health\\_consumer/docs/road-map-amr\\_en.pdf](http://ec.europa.eu/dgs/health_consumer/docs/road-map-amr_en.pdf)





## Progress delivered in Europe based on the Action plan

- Effective actions based on consolidated surveillance systems have strengthened **the appropriate use of antimicrobials**
- The **prudent use of antimicrobials** is being actively encouraged and pursued
- The **sales of both human and veterinary antimicrobials** are regulated and require responsible health expertise
- **Research** on antimicrobial resistance is boosted and transnational research is better coordinated
- Public-private partnerships are investing in the **development of new antimicrobials**
- **AMR in the international agenda: WHO, OIE, OECD, GHSA**

# Thank you for your attention!



[http://ec.europa.eu/health/antimicrobial\\_resistance/policy/index\\_en.htm](http://ec.europa.eu/health/antimicrobial_resistance/policy/index_en.htm)

[http://ec.europa.eu/food/food/biosafety/antimicrobial\\_resistance/index\\_en.htm](http://ec.europa.eu/food/food/biosafety/antimicrobial_resistance/index_en.htm)

