



# **EU Action Plan to combat the rising threats from Antimicrobial Resistance: State of play**

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Animal Health Advisory Committee

Brussels, 24 November 2014

## 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

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## 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



## The 12 actions

### Human

1. Appropriate use
4. Prevention of infections
6. New antibiotics
9. Surveillance

8. International cooperation
11. Research & Innovation
12. Communication, education

### Veterinary

- 2 & 3. Appropriate use
5. Prevention of infections
7. Need for new antibiotics
10. Surveillance



## **Action 2 & 3:**

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

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**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

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**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 no 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)**

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## 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”**

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## **Action 7:**

# **Need for new antimicrobials vet. medicine**

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## Mandate from the Commission to EMA:

1. Advice on 'old' antibiotics or new antibiotics belonging to 'old' classes of antibiotics that have been re-introduced or have a new use to treat multi-resistant bacteria in humans, in particular colistin and tigecycline. EMA should consider in particular:

a) Possible links between the use of those substances in animals (where relevant) and resistance in bacteria of animal origin;

b) The impact of use of those substances or other related antibiotics in animals on human health and whether restricting or not their use as veterinary medicines would have an impact on the development of resistance in bacteria causing infections in



EUROPEAN COMMISSION  
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

Brussels,  
SANCO/MN/sl/ddg1.d.6(2012)8317

Dear Professor G. Rasi,

**Subject: Request for advice on the impact on public health and animal health of the use of antibiotics in animals**

ranked according to their relative particular considering whether these infections in humans in the EU. The work of the WHO on critical issues, disadvantages and feasibility of second line or last resort antibiotics.

the treatment of resistant bacteria in new classes of veterinary antibiotics, use in animals of certain new classes, especially those that are important in human health. It is stressed that the advice could discuss the development of resistance in animals) or a development of resistance in humans).

alternatives], including an assessment of new classes of antibiotics or antibiotic

substances that are of critical importance in human medicine and are currently authorised as veterinary medicinal products.

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# **Action 8:**

# **International cooperation**

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## ■ WHO HQ: **Global Action Plan (GAP) on Antimicrobial Resistance**

WHA (24<sup>th</sup> May 2014): Resolution AMR (WHA67.25)

Public Consultation Outline GAP (1<sup>st</sup> Sept. 2014)

Draft GAP published October 2014:

- Informal MS Consultation (16<sup>th</sup> Oct. 2014; WHO-HQ, Geneva)
- STAG-group (17<sup>th</sup> Oct. 2014)

Supporting conferences/meetings:

Netherlands: Min. Conference AMR (25-26<sup>th</sup> June)

Norway: Surveillance use (13-14<sup>th</sup> November)

Sweden: Surveillance resistance (2-3 December)

Brazil: R&I (January-February 2014)

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## ■ **FAO**

- 24<sup>th</sup> COAG:

*The Global Agenda for Sustainable Livestock*

*FAO's Strategy for Improving Food Safety Globally*

■ **WHO-Europe** → Bilateral contacts and joint actions/meetings, participation member countries workshop/training

■ **O.I.E.** → Gral. Session May 2014 (Chapter 6.10)  
Ad hoc group AMR (monitoring use AM)  
Chapter 6.5 Risk Analysis for AMR arising from the use of antimicrobial agents in aquatic animals





## ■ OECD (Organisation for Economic Co-operation and Development)

Health Division/Health Committee

Program 2015-16

*Study on the economic and health impact of AMR*

Agricultural Division/Committee for Agriculture

Working party on Agricultural policies and market  
18-20 Nov. 2014 (Paris)

Agenda Item 6.

Global antimicrobial use in the livestock sector

**TAD/CA/APM/WP(2014)34**

Conference AMR (2015)

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## Bilateral collaboration:

- TATFAR (EU-US) →
  - \* Progress report published 13<sup>th</sup> May 2014
  - \* New additional recommendation 18: *Establish a joint working group to identify key knowledge gaps in understanding the transmission to man of AMR arising of use of AM in animals and on the development of effective intervention measures to prevent transmission, incl. development of alternatives to AM.*
  - \* US Strategy AMR published 18<sup>th</sup> September 2014
- China → study in the public health sector (China-EU policy)





## **Action 10:**

# **Surveillance systems (veterinary medicine)**

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## 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)

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## **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 (2015)  
Validation + Expert meeting for endorsement  
Training by EURL (all NRL + 3<sup>rd</sup> countries)

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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

**DECEMBER 2014**

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# **Action 12:**

## **Communication, education, training**

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- **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)

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