



Update from the European Commission: progress report on implementation of the 2017 European AMR Action Plan and AMR monitoring in food-producing animals and food as from 2021

Joint virtual meeting on AMR for the FWD-Network and EURL-AR Network

14th EURL-AR Workshop

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Progress report on implementation of the 2017 European AMR Action Plan



2017 European One Health Action Plan against Antimicrobial Resistance

- Adopted on 29 June 2017
- 9 Commission's DG involved
- Preserve effective treatment of infections in humans & animals
- 75 concrete actions with EU added value
- More synergies and coherence between different EU policies
- Support to Member State efforts



2017 European One Health Action Plan against Antimicrobial Resistance

-Objectives-



**MAKING THE EU
A BEST PRACTICE
REGION ON AMR**



**BOOSTING RESEARCH,
DEVELOPMENT AND
INNOVATION ON AMR**



**SHAPING THE
GLOBAL AGENDA
ON AMR**



2017 European One Health Action Plan against Antimicrobial Resistance -Progress on implementation-

- **4 progress reports published on Europa website**
https://ec.europa.eu/health/amr/action_eu_en
 - February 2018
 - September 2018
 - June 2019
 - February 2020
- **Next update : end 2020**

1. MAKING THE EU A BEST PRACTICE REGION

1.1 BETTER EVIDENCE AND AWARENESS OF THE CHALLENGES OF AMR

CONCRETE ACTIVITIES	TIMELINES AND DELIVERABLES					
<ul style="list-style-type: none"> Strengthen One Health surveillance and reporting of AMR and antimicrobial use 	2017	2018	2019	2020	2021	2022
Review EU Implementing legislation on monitoring AMR in zoonotic and commensal bacteria in farm animals and food.	Mandate to EFSA for technical advice		EFSA opinion	Adoption of the new legislation		
Review EU implementing legislation on reporting communicable diseases in humans.		New Implementing act with updated AMR case definitions				
Identify and assess under the Animal Health Law, resistant bacteria that cause transmissible animal diseases and, if necessary, develop harmonised rules for their surveillance.			Mandate to EFSA for technical advice once list of transmissible disease is adopted under Animal Health Law			
Improve AMR detection in the human health sector by providing EU support for networking collaboration and reference laboratory activities.			EU health programme funding to support AMR networking collaboration and reference laboratory activities in human health			
Consider options for the harmonised monitoring of AMR in the environment.	Linked to the EU strategic approach to pharmaceuticals in the environment (see action 1.4)					
<ul style="list-style-type: none"> Benefit from the best evidence-based analysis and data 	2017	2018	2019	2020	2021	2022
Provide evidence-based data on possible links between the consumption of antimicrobial agents and the occurrence of antimicrobial resistance in humans and food-producing animals.	Second JIACRA report	Mandate to EFSA/ECDC/EMA for a 3rd JIACRA report		3rd JIACRA report*		
Define a limited number of key outcome indicators for AMR and antimicrobial consumption.	EFSA/ECDC/EMA report on indicators					

2. BOOSTING RESEARCH, DEVELOPMENT AND INNOVATION ON AMR

2.1 IMPROVE KNOWLEDGE ON DETECTION, EFFECTIVE INFECTION CONTROL AND SURVEILLANCE

CONCRETE ACTIVITIES	TIMELINES AND DELIVERABLES					
	2017	2018	2019	2020	2021	2022
<p>Support research into the development and assessment of interventions that prevent the development and spread of AMR.</p>	<p>Funding of research projects under the ERA- NET SusAn on animal production</p>	<p>Launch of One Health EJP which includes research on new intervention tools on AMR</p>	<p>Launch of Call topic on clinical management of AMR</p>			
		<p>Funding of projects coming out of Call topic SFS-46-2017 on alternative production systems to address anti-microbial drug usage, animal welfare and the impact on health</p>				
	<p>Funding decision on projects from the JPIAMR 5th call on prevention and intervention strategies to control AMR infections</p>					
<p>Support research into understanding the epidemiology of AMR, in particular the pathways of transmission between animals and humans, and their impact.</p>	<p>Funding decision on project addressing the clinical burden of Clostridium difficile infection under IMIZ, Call 9</p>				<p>Report of projects selected under 3rd JPIAMR ERA-NET Co-fund call to bridge the knowledge gap on AMR transmission mechanisms</p>	

3. SHAPING THE GLOBAL AGENDA

3.1 A STRONGER EU GLOBAL PRESENCE

CONCRETE ACTIVITIES	TIMELINES AND DELIVERABLES					
	2017	2018	2019	2020	2021	2022
Continue to actively contribute to the normative work of the WHO, the OIE, the FAO, and the Codex Alimentarius on the development of ambitious international frameworks and standards/norms/guidelines/methodologies related to AMR.	Signature of a letter of Intent for reinforced cooperation between FAO and EC between FAO DG and V. Andriukaitis Commission	Involvement of FAO in new BTSF activities for non-EU countries			New CODEX guidelines on integrated monitoring and surveillance of foodborne AMR	
		Review upcoming normative work (e.g. as outlined in resolution of the World Health Assembly) and assess EC involvement			Revised CODEX code of practice to minimize AMR	
Reinforce technical cooperation with the WHO and its members in key areas of the WHO Global Action Plan on AMR.						



2017 European One Health Action Plan against Antimicrobial Resistance

-Latest EU developments-

- **Council Conclusions** on the *"next steps towards making the EU a best practice region in combatting antimicrobial resistance"* adopted under Romanian Presidency in June 2019
- **Finnish Presidency** : AMR discussed during CVOs meetings in July and September 2019. Outcomes of these discussions presented at the AMR One Health Network meeting in October 2019
- **European Court of Auditors** special report entitled "Addressing antimicrobial resistance: progress in the animal sector, but this health threat remains a challenge for the EU" published in November 2019



2017 European One Health Action Plan against Antimicrobial Resistance

-Some deliverables-

- Implementation of **Regulation (EU) 2019/6** on veterinary medicinal products ongoing
- **Revision** of the Commission implementing **Decision 2013/652/EU** on the monitoring and reporting of AMR in zoonotic and commensal bacteria ongoing
- 2019 **European Antibiotic Awareness Day** on 18 November 2019 (updated surveillance data for 2018, including on antimicrobial infections incidence and consumption, results of a survey of healthcare workers' knowledge and attitudes about antibiotics and antibiotic resistance in EU/EEA)



2017 European One Health Action Plan against Antimicrobial Resistance

-Some deliverables-

- **EU AMR One Health Network** meetings in March and October 2019
- **AMR One Health visits** to Member States continued
- **Development of new antimicrobials** : in November 2019, the Commission has started a reflection with Member States on how to address market failures through its Pharmaceutical Committee
- **Better Training for Safer Food** activities on AMR : Second phase for EU Member States launched in September 2019



2017 European One Health Action Plan against Antimicrobial Resistance

-Some deliverables-

- **Two overview reports** published in July 2019 (on (i) measures to tackle AMR through the prudent use of antimicrobials in animals and (ii) on a series of audits carried out in 2017 and 2018 in order to evaluate the monitoring and reporting of AMR in zoonotic and commensal bacteria in certain food-producing animal populations and food)
- **Developments at international level** (e.g. G7, G20, WHA, enlargement and neighbourhood countries, EU Partnership Instrument)



EU action plan:

https://ec.europa.eu/health/amr/sites/amr/files/amr_action_plan_2017_en.pdf

Latest progress report:

https://ec.europa.eu/health/amr/sites/health/files/antimicrobial_resistance/docs/amr_2017_action-plan_progress_2020-q1.pdf

Commissioner Kyriakides' mission letter:

https://ec.europa.eu/commission/sites/beta-political/files/mission-letter-stella-kyriakides_en.pdf



AMR monitoring in food-producing animals and food as from 2021





Revised AMR monitoring as from 2021

- Why is it necessary? -

- **Decision 2013/652**: no specific provisions applicable after 31/12/2020
- **Implementation issues** detected via Commission's audits carried out from 2015 to 2018
- AMR is an **evolving threat** and **new scientific developments** occurred since 2014
- Revision is planned in **2017 EC AP against AMR**



Revised AMR monitoring as from 2021

- How? -

- **New legal proposal aiming to** replace Decision 2013/652 as from 2021
- Based on new **EFSA scientific opinion** of June 2019 and field experiences
- Discussion with **representatives of Member States'** competent authorities within **working group on AMR in food**



Revised AMR monitoring as from 2021

- What? -

- Envisaged future monitoring largely in line with current one: **consistency and continuity**
- Same animal species and food concerned: **poultry, pigs, bovines**
- Same bacterial species (*Salmonella spp.*, *Campylobacter jejuni* and *coli*, commensal *E. coli*, enzyme-producer *E. coli*)
- Same stages of the food chain (flocks for poultry, slaughterhouses for poultry, pigs and bovines, retail for fresh meat) + **BCP (new)**



Revised AMR monitoring as from 2021

- What? -

- **Sample design** largely **unchanged**, based on **EFSA technical specifications** but definitions of **epidemiological units** clarified
- **Sample size**: target of **170 isolates** maintained but **more flexibility** offered (low prevalence, insufficient number of epidemiological units)
- **Sampling** to be implemented at **BCP level (new)**



Revised AMR monitoring as from 2021

- What? –

- **Analytical methods:** based on revised EURL guidances
- **Panels** of antimicrobial substances slightly altered
- Possibility to use **WGS** as an **alternative method** to phenotypic methods for enzyme-producer E. coli



Revised AMR monitoring as from 2021

- Next steps –

- Text **not yet approved** by Member States (QM), still **under discussion**, vote scheduled for June or July 2020
- **Envisaged entering into force: 1/1/2021**
- **Discussions** for necessity to organise **baseline surveys** (*Enterococcus*, MRSA, sea food) could be initiated as from 2021/2022



QUESTIONS?