



2017 European One Health Action Plan against Antimicrobial Resistance

**PLENARY MEETING OF THE ADVISORY GROUP ON THE FOOD CHAIN AND
ANIMAL AND PLANT HEALTH**

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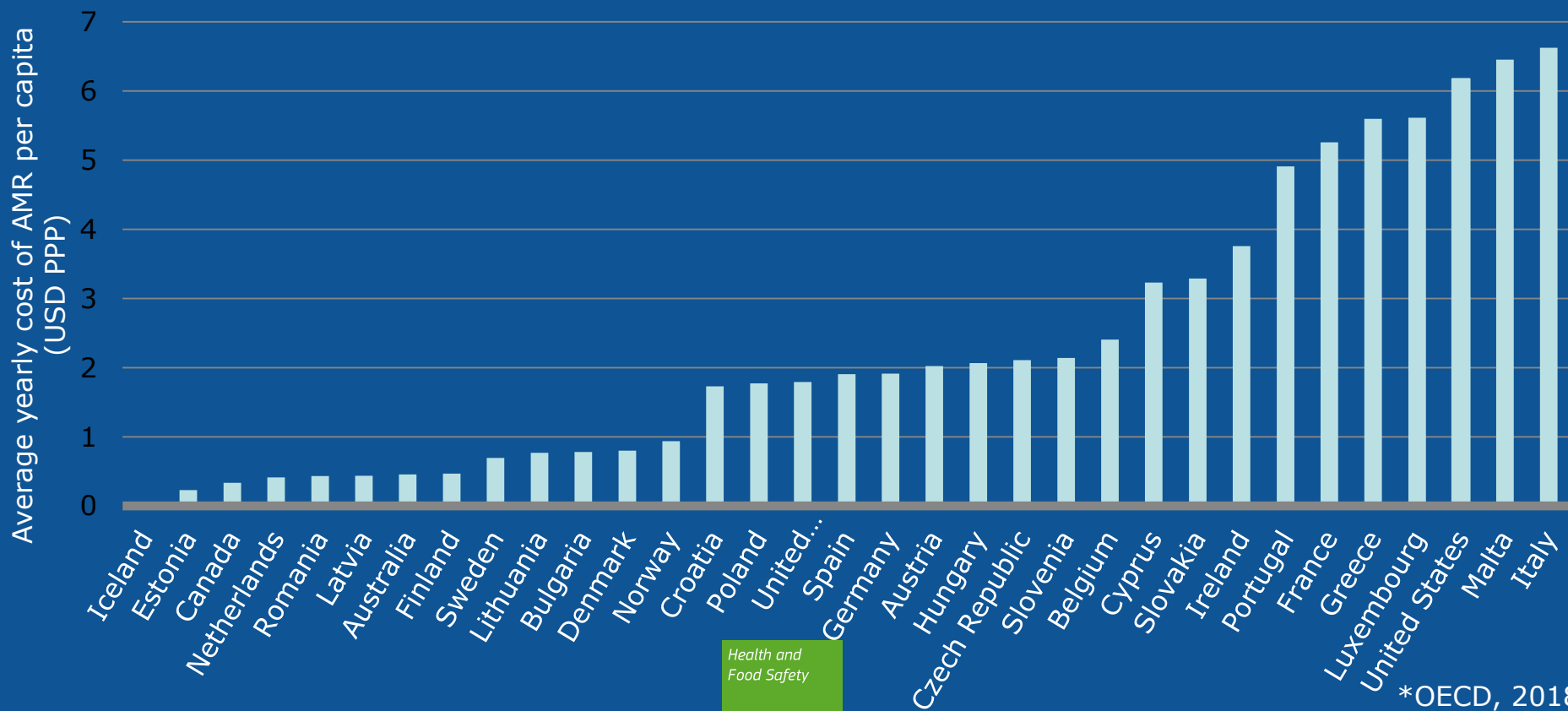


AMR: 33 000 deaths per year in the EU due to resistant bacteria*

- Burden of infections with bacteria resistant to antibiotics on the European population comparable to that of influenza, tuberculosis and HIV/AIDS combined
- Between 2007 and 2015 burden of each of the 16 antibiotic-resistant bacteria under study increased
- 75% of burden of bacteria resistant to antibiotics in Europe due to healthcare-associated infections
- 39% of burden caused by infections with bacteria resistant to last-line antibiotics such as carbapenems and colistin



AMR : Costs 3.5B USD PPPs per year to the healthcare systems of OECD and EU Countries*



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-

- **2 progress reports published on Europa website**
https://ec.europa.eu/health/amr/action_eu_en
 - 21 February 2018
 - 26 September 2018
- **Next update : February 2019**

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				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		Follow-up to EFSA opinion	
Improve AMR detection in the human health sector by providing EU support for networking collaboration and reference laboratory activities.			EU support for AMR networking collaboration and reference laboratory activities in human health (incl. MS microbiology capacities, EULabCap)			
Consider options for the harmonised monitoring of AMR in the environment.	Linked to the 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 new JIACRA report		Third JIACRA report		
Define a limited number of key outcome indicators for AMR and antimicrobial consumption.	EFSA/ECDC/EMA report on indicators					

* Actions after 2018 are tentative

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
Support research into the development and assessment of interventions that prevent the development and spread of AMR.	<p>Funding projects ERA-NET SusAn, on animal production</p>	<p>Launch of One Health EJP which includes research on new intervention tools on AMR</p> <p>Funding projects SFS-46-2017, on alternative production systems to address anti-microbial drug usage, animal welfare and the impact on health</p> <p>Funding projects JPIAMR 5th call, on prevention and intervention strategies to control AMR infections</p>	<p>Launch of Call topic on clinical management of AMR</p>			
Support research into understanding the epidemiology of AMR, in particular the pathways of transmission between animals and humans, and their impact.		<p>Funding project on clinical burden of Clostridium difficile infection (under IMI2, Call 9)</p>			<p>Report of projects 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
<p>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.</p>	<p>Letter of intent for reinforced cooperation between FAO and EC</p>	<p>Involvement of FAO in new BTSF activities for non-EU countries</p>			<p>New CODEX guidelines on integrated monitoring and surveillance of foodborne AMR</p>	
	<p>Review upcoming normative work (e.g. as outlined in resolution of the World Health Assembly) and assess EC involvement.</p>					
	<p>Contribution towards the WHO 'global framework for development & stewardship to combat antimicrobial resistance' (tbd)</p>					
<p>Reinforce technical cooperation with the WHO and its members in key areas of the WHO Global Action Plan on AMR.</p>						
<p>Boost support for the International Conference on the Harmonisation of Technical Requirements for the Registration of Pharmaceuticals for Human Use (ICH) and the Veterinary International Conference on the Harmonisation (VICH) on relevant international guidelines/standards/norms related to AMR.</p>	<p>Promotion of the new EU Action Plan against AMR during the IPRF meeting in the margins of the ICH meeting in Geneva</p>		<p>CVMP discussion on the needs to update existing VICH guidelines</p>			



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-Some deliverables-

- **One-health AMR visits in Member States** started in June 2017
- **EU guidelines on prudent use of antimicrobials in human medicine** published in July 2017
- **2nd Joint Inter-agency (EMA/EFSA/ECDC) report on Antimicrobial Consumption and Resistance Analysis (JIACRA)** published in July 2017
- **Mandate sent to EFSA** in December 2017 for **technical advice** (revision of Commission Implementing Decision 2013/652/EU)
- **Joint action on AMR and healthcare-associated infections** started in September 2017



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-Some deliverables-

- **BTSF AMR training** for Competent Authorities started in November 2017. Similar efforts at international level to start in 2019
- **Joint action on vaccination** started in August 2018
- **Audits of EU legislation on AMR monitoring in food/animals**
- **Fact-finding missions in Member States on prudent use of antimicrobials in animals**
- **AMR One Health Network meetings** to reinforce mutual learning and exchange of best practices between Member States



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-Some deliverables-

- **11th European Antibiotics Awareness Day** on 15 November 2018 with presentation of results of the bi-annual **AMR Eurobarometer**
- **Forthcoming EU Rules on Veterinary Medicinal Products and Medical Feed**
 - ✓ Ban on preventive use of antibiotics in groups of animals
 - ✓ Restrictions on metaphylactic use
 - ✓ Ban on the use of antimicrobials for promotion growth
 - ✓ Possibility to reserve certain antimicrobials for humans only
 - ✓ Restrictions on antimicrobials for exports of animals / products into the EU



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-Some deliverables-

- **International relations** (*e.g.* G7/G20, Transatlantic Taskforce on Antimicrobial Resistance, Cooperation with FAO, OIE, WHO and OECD)
- **Research activities** (*e.g.* IMI, JPIAMR)
- **Environmental activities** (*e.g.* surface water Watch List under the Water Framework Directive)

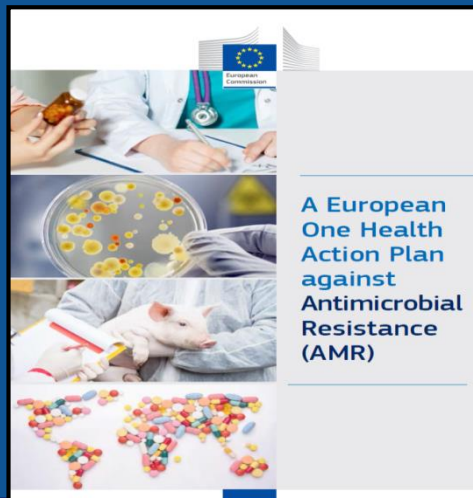


EU AMR action plan:

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

Progress report:

http://ec.europa.eu/health/amr/sites/amr/files/amr_2018-2022_actionplan_progressreport_en.pdf





Thank you for your attention !

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