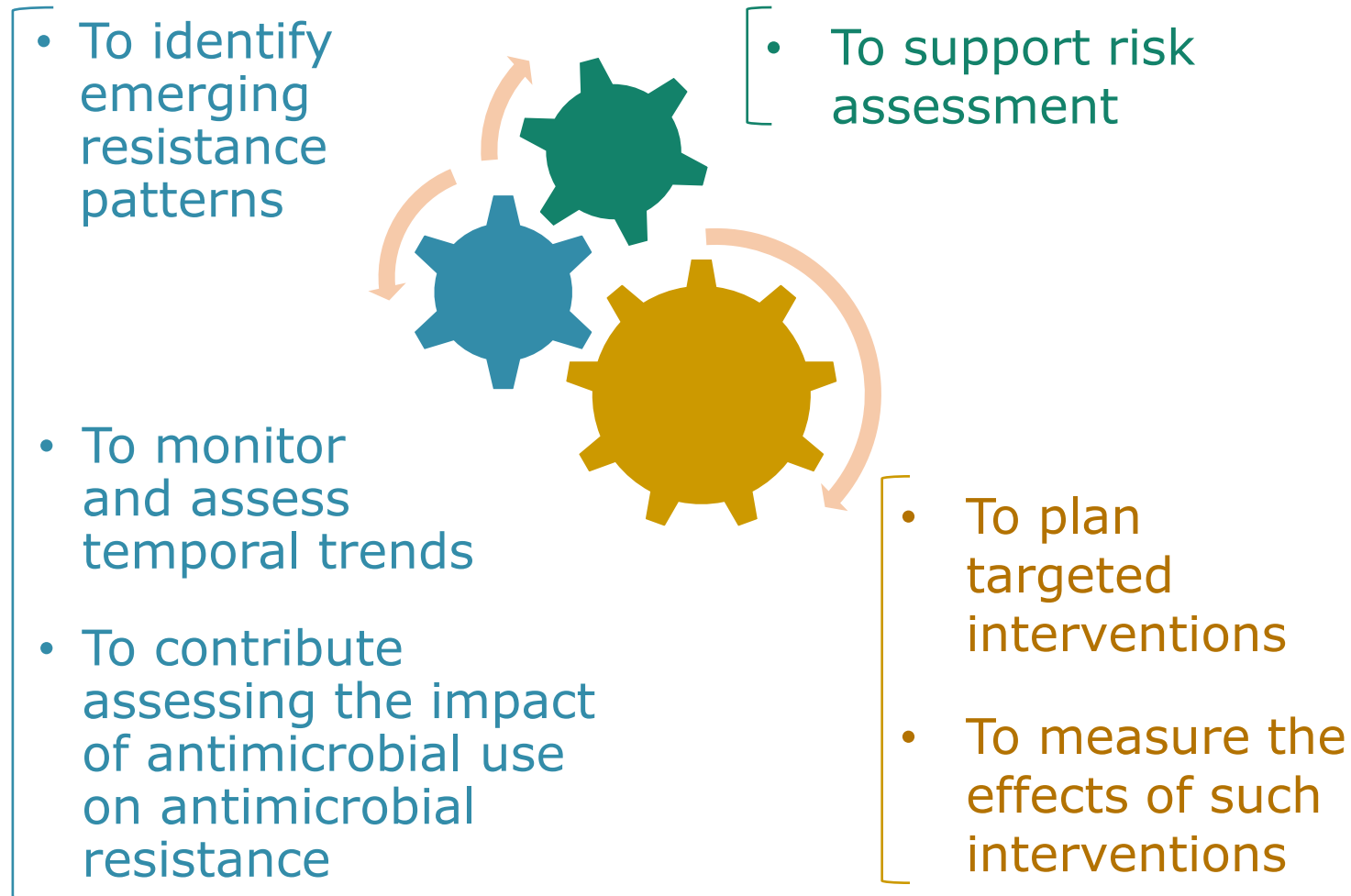# AMR Data Visualisation

Elisa Corsini - Multimedia Specialist

Anca Violeta Stoicescu - Scientific Officer

Trusted science for safe food

efsa
European Food Safety Authority

- To identify emerging resistance patterns

- To support risk assessment

- To monitor and assess temporal trends

- To contribute assessing the impact of antimicrobial use on antimicrobial resistance

- To plan targeted interventions

- To measure the effects of such interventions

Monitoring AMR: Legal and Technical Bases

EFSA Scientific Opinions on AMR

EFSA Tech. Spec. on the harmonised monitoring and reporting of **AMR** in *Salmonella*, *Campylobacter*, **indicator commensal *E. coli*** and *Enterococcus* spp. transmitted through food

EFSA Tech. Spec. on the harmonised monitoring and reporting of **MRSA** in food-producing animals and food

2012

EFSA Tech. Spec. on **randomised sampling** for harmonised monitoring of AMR in zoonotic and commensal bacteria

2014

➔ **Harmonisation**
. Susceptibility Testing (microdilution)
. Set of substances tested and dilution ranges
. Interpretative criteria of resistance (ECOFFs)
. Representative sampling designs

Directive 2003/99/EC

Art. 7(3) and 9(1) + Annexes II (B) IV

EU Implementing Legislation:

Decision 2013/652/EU

2014 - 2020

European Commission

2011-2016 Action Plan against the rising threats of AMR

European Union Reference Laboratory Antimicrobial Resistance

. EQAAs (AST)
. Protocols

Sampling rotation system

- **Bacteria**

  - ➢ *Salmonella* at serovar level

  - ➢ *Campylobacter jejuni*

  - ➢ Commensal indicator *E. coli*

  - ➢ Specific monitoring of ESBL-/AmpC-/carbapenemase-producing *E. coli* and *Salmonella*
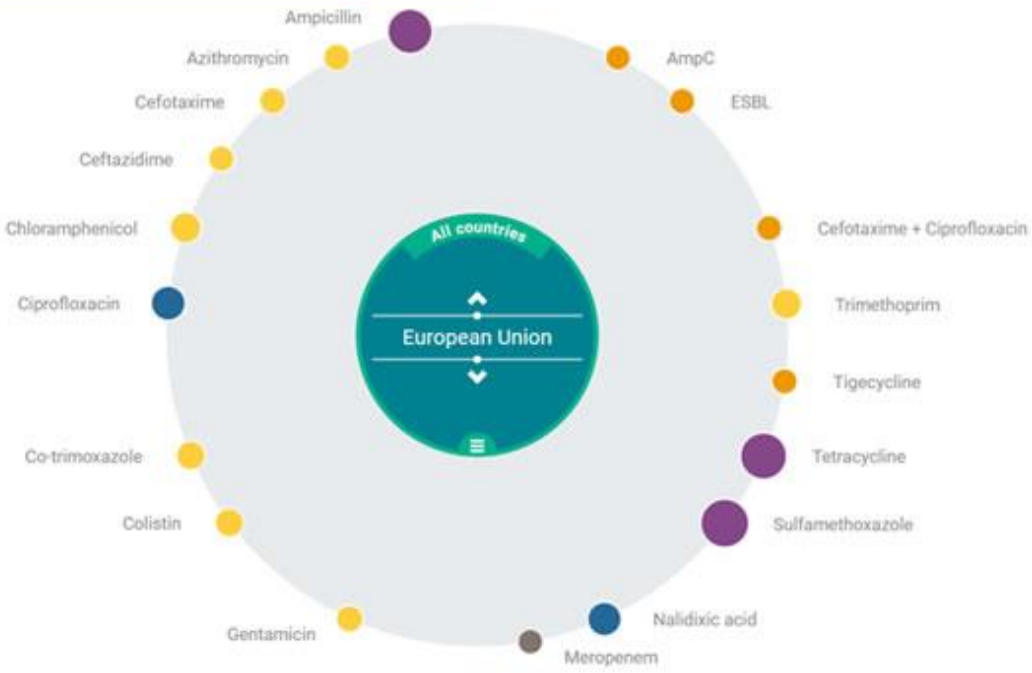
2020 2014

2019 2015

2018 2016

2017

Antimicrobial resistance in Europe

Objectives

Simplify access to selected information of the report
in the situation of AMR in different countries to interested parties
in a user-friendly way

Make the key findings of the report easier to understand
for the target audiences

Provide a general visual overview of current situation
on antimicrobial resistance in Europe

- **Policy makers** (e.g. European Commission, Member States/ Council, European Parliament)
- **Risk assessors**
- **Risk managers**
- **Scientists** (e.g. AMR Network, National Food Safety Agencies, EFSA Zoonoses Network, etc.)
- **Health professionals**
- **Industry representatives**
- **NGOs**

- Facilitate **wide spread awareness** among key target audience on AMR in different countries

- **E-mails** with a link to download:

  - promotional materials

  - proposed social media messages (incl. translations)

- **Two promotional explanatory videos** of the AMR data viz
- **A twitter card**
- **An animated GIF** of the AMR data viz
- **Survey on the tool** (e.g. to assess if users use the tool, appreciate it, etc.)
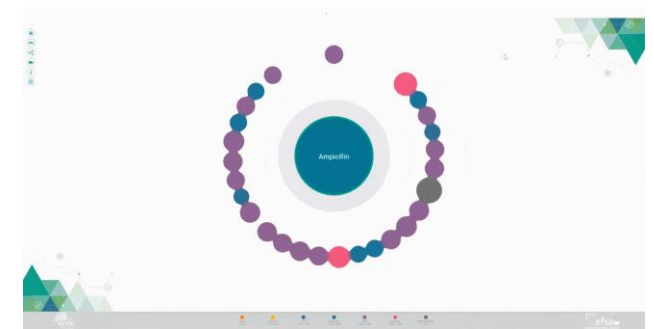
Social media messages for:

- **Corporate accounts**
- **Amplifiers** (2 tweets, 1 LinkedIn post and 1 FB post translated in FR, DE and IT)
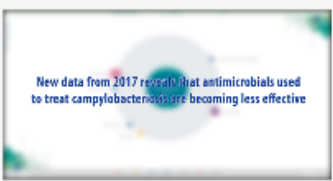
Dissemination – survey

- Assess **usefulness** of promotional materials
- Receive **constructive feedback** and input for improvements
- **Request additional materials** or in different formats
- Ask for any **further information**

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