




# **Better Training for Safer Food** *Initiative*

*Antimicrobial Resistance One Health approach*

## **Introduction to BTSF Programme and Training course on Prevention and control of Antimicrobial Resistance in the context of an overall “One Health” approach**

*This presentation is delivered under contract with the Consumers, Health, Agriculture and Food Executive Agency CHAFEA (<http://ec.europa.eu/chafea>). The content of this presentation is the sole responsibility of AENOR and can in no way be taken to reflect the views of CHAFEA or any other body of the European Union. CHAFEA or any other body of the European Union will not be responsible under any circumstances for the contents of communication items prepared by the contractor.*

## *The Better training for Safer Food is...*



**A DG SANTÉ training initiative for EU and non-EU country officials covering food safety, plant health, animal health and animal welfare**

## General objectives

- **Increasing the level of competence and the awareness of EU rules** amongst official control staff;
- Ensuring and maintaining a high level of **consumer protection**, animal health and welfare and plant health;
- **Promoting a harmonized approach** to the operation of EU and national control systems;
- Creating an **equal level playing field** for all food businesses;
- **Enhancing trade of safe food**;
- Ensuring **fair trade with third countries** and in particular developing countries.



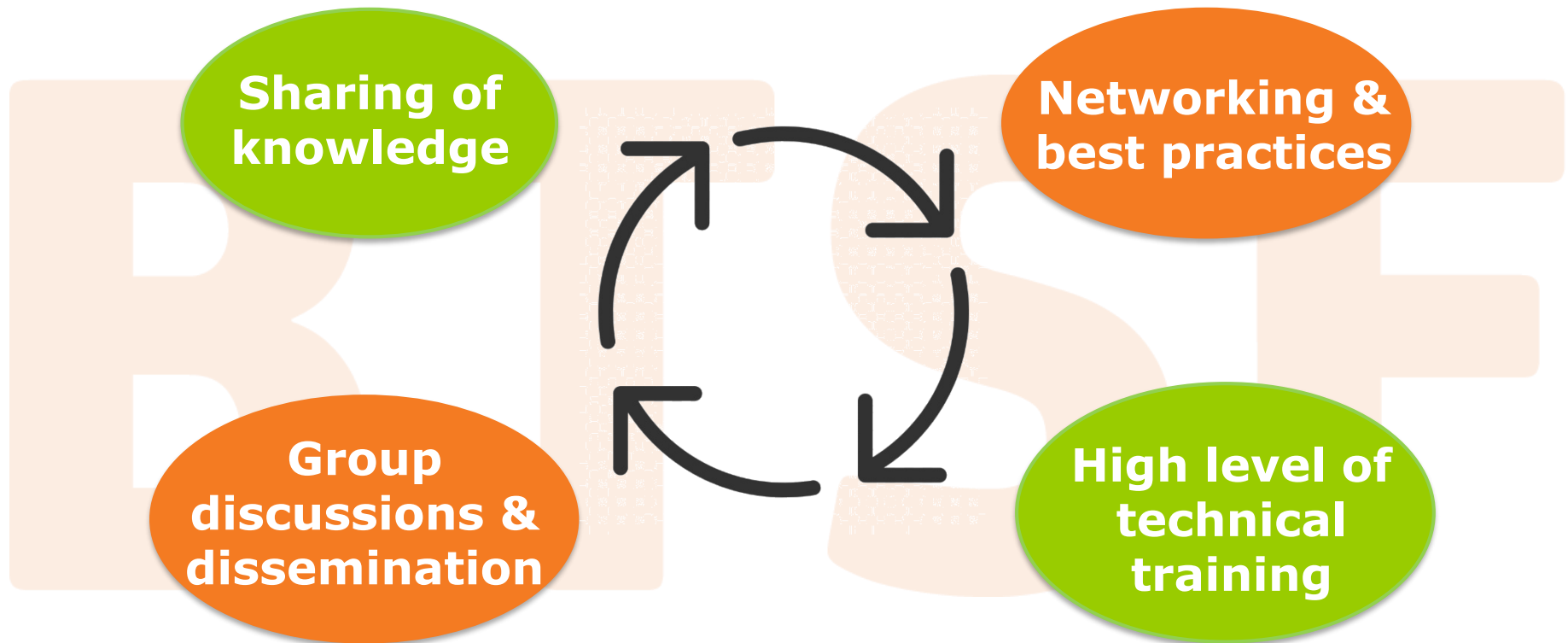
## BTSF in figures

- Over 40 different programmes
- Average of 6.000 trained participants per year
- Annual budget of approx. € 15 million plus € 8,5 million to BTSF World programme

**Approx. 33% of this activity covers non-EU countries**



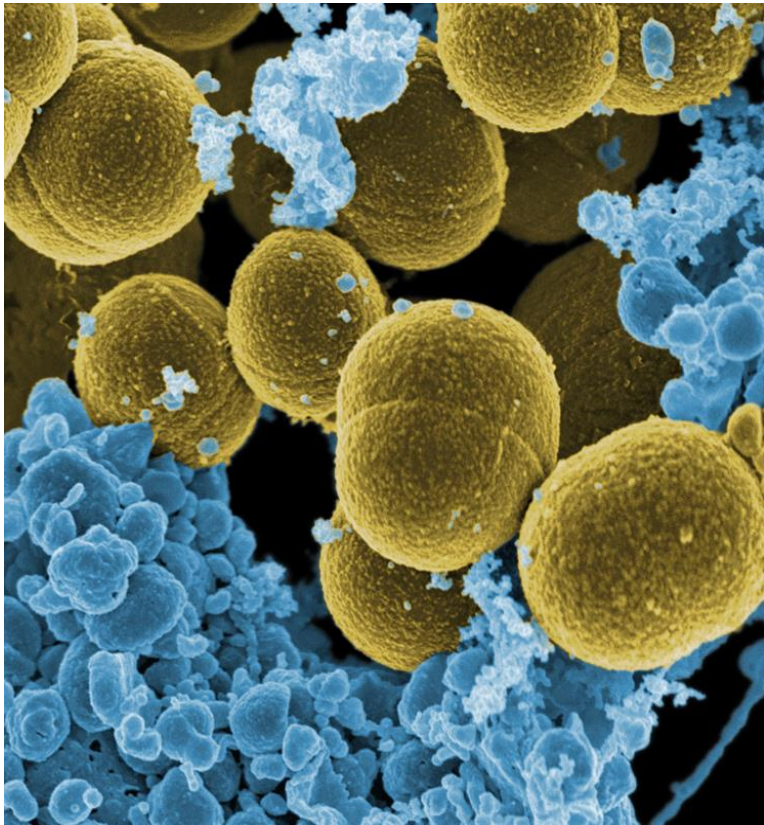
# BTSF features



[http://ec.europa.eu/chafea/food/recipe-safer-food-videos\\_en.html](http://ec.europa.eu/chafea/food/recipe-safer-food-videos_en.html)



# Antimicrobial Resistance – Key data



**Lead Firm:** AENOR

**Partners:** Spanish Agency for Medicinal products and Medical Devices (AEMPS)

**Technical Partners:** IRYCIS, VISAVET (Spain), the Bulgarian Food Safety Agency (BFSA), University of Agriculture Sciences of Sweden (SLU), VMD – DEFRA (UK)

**Frame time:** 08/2019 - 08/2021

**Num. sessions:** 15 sessions (3 days)

**Num. participants:** 36 per session (approx.)

**Addressed to:** Participants from veterinary/food safety & public health sectors

**Total expected participants:** 540

## Main objectives



- Spread the knowledge of the implementation of the “one health” approach on the use and resistance to antimicrobials;
- Promote the use of common indicators, monitoring and surveillance systems of antimicrobials and the resistance to them in both public health and veterinary medicine sector;
- Promote the collaboration and coordination among the different national authorities as well as EU Agencies involved in the monitoring and surveillance of the use of antimicrobials and resistance to them;
- Provide the best practices regarding the design, implementation and management of National Action Plans against antimicrobial resistance.

***What do we expect  
from you?***



## During the training session (I):

- To actively contribute to the sessions
- To interact with tutors and other participants
- To exchange your points of views. There is no “wrong” or “bad” or “insignificant” question or doubt
- To take advantage of these four days training session: no office work, no home work, no interruptions with e-mails, mobiles etc.

***This is a luxury!!***

***You take advantage of it!***

## During the training session (II):

### Level of knowledge gained:

#### Questions and answers to evaluate the level of knowledge gained

1. First day - At the beginning of the session
2. Last day - At the end of the session

Tool: Automatic remote Voting System

Indicator in terms of %: to monitor the understanding of the taught subjects by the group of participants.

Anonymous



## At the end of the training session:

### **Last day of the training:**

- Make a positive assessment and evaluation of the training
- Reflect on the lessons learned

### **Back home:**

- Disseminate the knowledge gain:
  - To distribute the training material among other colleagues
  - To actively use the training documentation to spread the knowledge in internal training activities

### **3-4 months after the session:**

- Respond to the on-line survey you will be receiving by mail on the dissemination measures taken and impact on your daily work

# Technical Programme

## - Day 1 -

### Opening and introduction to the training

- Registration and opening
- Course introduction
- Introduction of participants
- Pre-training Test
- Dissemination action planning

### Antimicrobial resistance: general concepts and history

- Session 1: Introduction to AMR
- Session 2: 2017 EU AMR Action Plan
- Session 3: Relevant international initiatives

# Technical Programme

## - Day 2 -

### EU legislative framework

- Session 4: EU legislation
- Session 5: EU Agencies and their cooperation
- **Group Activity 1: Case studies about AMEG categorisation / Brainstorming**  
Discussion in groups on how MS have implemented the categorisation of antimicrobials in veterinary sector according to AMEG recommendations

### Monitoring and reporting use of antimicrobials

- Sessions 6, 7 and 8: Harmonisation of the source of data, measure units and categories in both sectors
- Session 9: EU guidelines on AMR
- **Group Activity 2: Implementation of the EU rules and guidelines**  
Practical approaches of MS on how they have implemented the guidelines.



# Technical Programme

## - Day 3 -

### Monitoring and reporting of antimicrobial resistance

- Session 10 and 11: Monitoring and reporting of AMR in human medicine and in the veterinary sector
- Session 12: Interpretation of results from breakpoints
- **Group activity 3 – Case study of MRSA**  
Case study of Methicillin-resistant *Staphylococcus aureus* (MRSA).  
Distribution, prevalence and measures taken.

# Technical Programme

## - Day 3 -

### Role of environment in spreading AMR

- Session 13: Introduction to environmental risks
- **Group Activity 4: Environmental sources contributors to AMR**  
Environment and relationship with AMR
- Session 14: Relevance of AMR to environment and related regulators
- **Group Activity 5: Knowledge gaps**  
Activity on Knowledge gaps (environmental mechanisms of AMR selection and transmission) in relation to environmental : identification of gaps
- **Group Activity 6: Exercise on transformation process**  
Based on the gaps previously identified, map the transition process to understanding them. Good practices implemented by certain countries, controlling levels in the environment

# Technical Programme

## - Day 4 -

### JIACRA report, communication practices, conclusions and closing

- Session 15: Results and conclusions of the JIACRA report
- **Group activity 7: communication practices – how develop communication campaigns on prevention and use of antimicrobials**
- Session 16: Summary of the course
  - Post-Training Test
  - Review and online evaluation
  - Certificates and closing ceremony

## Tutors / Experts



**Cristina MUÑOZ** – Training Coordinator – days 1-4  
Head of Efficacy and Clinical Field Trials Department and National coordinator of Antimicrobial Plan at the Spanish Agency of Medicines and Medical Devices (AEMPS, Spain)



**Philippe HARTEMANN** – Tutor 2 – days 1 & 2  
Use of antimicrobials in the human medicine sector  
Professor emeritus of health sciences in the Faculty of Medicine of Nancy at the University of Lorraine



**Lucie POKLUDOVA** – Tutor 3 - day 2  
Use of antimicrobials in the veterinary sector  
Assessor of antimicrobials, Department of marketing authorization. Institute for State Control of Veterinary Biologicals and Medicines (ÚSKVBL)



**Teresa COQUE** – Tutor 4 – day 3

Antimicrobial resistance in human medicine

Head of the Clinical Microbiology Department at the Ramón y Cajal University Hospital and Associated Professor of Clinical Microbiology at Complutense University in Madrid, Spain



**Hristo DASKALOV** – Tutor 5 – day 3

Antimicrobial resistance in the veterinary sector

Head of NRL “Salmonella, Campylobacter, Staphylococci and Antimicrobial Resistance”, Head of National Centre of Food Safety, National Diagnostic and Research Veterinary Institute in Sofia



**Ricardo CARAPETO** – Tutor 6 – day 3

Relation between environment and antimicrobial resistance

Head of Service managing the environmental risks assessment service of veterinary medicines at the Spanish Agency of Medicines and Medical Products (AEMPS)





## Tour de table

- Name and country
- Sector: human medicine or veterinary / food safety
- Role in the AMR issue
- Expectations



This presentation is delivered under contract with the Consumers, Health, Agriculture and Food Executive Agency CHAFEA (<http://ec.europa.eu/chafea>). The content of this presentation is the sole responsibility of AENOR and can in no way be taken to reflect the views of CHAFEA or any other body of the European Union. CHAFEA or any other body of the European Union will not be responsible under any circumstances for the contents of communication items prepared by the contractor.

## AENOR INTERNACIONAL

6, Genova street. 28004. Madrid, SPAIN

Tel: +34 91 432 61 25

Mail: [20169607\\_amr@aenor.com](mailto:20169607_amr@aenor.com)

[www.btsf-aenor.com](http://www.btsf-aenor.com)



## Better Training for Safer Food BTSF

• *European Commission  
Consumers, Health, Agriculture and Food Executive Agency  
DRB A3/042  
L-2920 Luxembourg*