



Hands-on training for farmers and veterinarians: New measures to fight antimicrobial resistance

Kilkea, Ireland

23 June 2025

19:30

Dinner

Kilkea Castle Hotel & Golf Resort

(Kilkea Castle, Kilkea Demesne, Castledermot, Co. Kildare, R14 XE97)

24 June 2025

09:00 – 17:35

Training session

Kilkea Castle Hotel & Golf Resort

(Kilkea Castle, Kilkea Demesne, Castledermot, Co. Kildare, R14 XE97)

Registration link for onsite session

Registration link for streaming

08:00	Participants' registry
09:00	Session begins at 9:00

Opening of the session

9:00 – 9:05	Moderator	Introduction, presentation of guest speakers, presentation of trainers' team
-------------	------------------	--

Welcome address

9:05 – 9:20	-	Mr. TJ MAHER , Chair of the National Animal Health Committee, Irish Farmers Association
	-	European Commission's Directorate General for Health and Food Safety (DG SANTE)

Presentation about DG SANTE's work

9:20	European Commission's Directorate General for Health and Food Safety (DG SANTE)
9:30	

Introduction to training programme

9:30	Cristina MUÑOZ MADERO	Course topics, objectives and activities are explained.
9:40	Training Coordinator, Trainer 1	

Pre-training test

9:40	Moderator	Self-assessment test to measure participants' knowledge
9:50		



Part 1 – Presentations on Antimicrobial resistance legislative framework at EU and national level

1. Antimicrobial resistance impact

9:50 10:25	<ul style="list-style-type: none"> - Cristina MUÑOZ MADERO, - Rebecca FITZPATRICK, Trainer 3 	General data and figures on resistance will be presented, as well as the economic impact and the actions taken.
---------------	--	---

2. Introduction to overall EU regulatory framework supporting best practices to fight AMR.

10:25 11:00	<ul style="list-style-type: none"> - Julie BOLTON , Trainer 2 	<p>Brief introduction to the main provision included in the new regulation in relation to the prudent use of antimicrobials:</p> <ul style="list-style-type: none"> ✓ Antimicrobial definition in the Regulation (EU) 2019/6 on Veterinary Medicinal Products (VMP) ✓ VMP regulation in prophylaxis and Metaphylaxis treatment ✓ Veterinary prescription and record keeping ✓ marketing authorisation (SPC/leaflet) ✓ Use of VMP outside the Marketing authorization
----------------	---	---

11:00 – 11:30 (30 MIN) *Coffee break*

3. Important elements of the new EU VMP & MF regulations, and national related legislation and/or guidelines for veterinarians & farmers (I)

11:30 12:05	<ul style="list-style-type: none"> - Cristina MUÑOZ MADERO, - Rebecca FITZPATRICK 	<p>Common elements for EU veterinarians and farmers, with focus on VMP:</p> <ul style="list-style-type: none"> ✓ The new EU Medicated Feed Regulations ✓ Veterinary prescriptions and use of medicated feed ✓ Delegated Regulation on Oral Administration ✓ Prescriptions and use of VMP at EU and national level ✓ Obligations for farmers and veterinarians
----------------	---	--

4. Important elements included in the new regulations, on VMP & MF and national related legislation and/or guidelines to be considered by veterinarians & farmers (II)

12:05 12:40	<ul style="list-style-type: none"> - Julie BOLTON - Rebecca FITZPATRICK 	<p>Common elements for EU veterinarians and farmers, with focus on Antimicrobial medicinal products :</p> <ul style="list-style-type: none"> ✓ Lists of Antimicrobials: General, Specific Cases & Species use ✓ Delegated and Implementing Regulations (tertiary legislation) ✓ Pharmacovigilance ✓ Best practices for VMP disposal ✓ Prudent use guidelines. ✓ Animal Health Law (AHL) on transmissible animal disease ✓ National regulations
----------------	---	---



Part 2 – Hands-on training: veterinarians and farmers towards a common goal

Instructions for group exercises

12:40 13:00	Edgar GARCIA , Trainer 4	Instructions for group exercises
----------------	---------------------------------	----------------------------------

13:00 – 14:00 (60 MIN)

Lunch

Group Exercise 1. Identifying the challenges in implementing best practices and further reduce the need to use antimicrobials

14:00 14:30	Edgar GARCIA	<p>Veterinarians and farmers are grouped separately. Identification of challenges and opportunities observed in the field that impact the implementation of best practices and further reduction of AMU, such as:</p> <ul style="list-style-type: none"> ✓ husbandry conditions, ✓ disease situation, ✓ biosecurity, ✓ animal health visits, ✓ diagnostic testing, ✓ prescription and use of antimicrobials, etc
----------------	---------------------	--

Group Exercise 2.A. Enhancing collaboration of veterinarians and farmers in finding solutions to address barriers and enforce the prudent use of antimicrobials

14:30 15:00	Edgar GARCIA	<p>Veterinarians and farmers will be grouped in mixed small groups per specie. This group exercise will be focused on how to improve <u>husbandry practices</u>.</p>
----------------	---------------------	--

Group Exercise 2.B. Enhancing collaboration of veterinarians and farmers in finding solutions to address barriers and enforce the prudent use of antimicrobials

15:00 15:30	Edgar GARCIA	<p>Veterinarians and farmers will be grouped in mixed small groups per specie.</p> <p>This group exercise will be focused on how to reduce the use and have a more responsible <u>use of antimicrobials</u>.</p>
----------------	---------------------	--

Group Exercise 3.A. Best practices to improved husbandry practices. Common presentation and discussion

15:30 15:55	Edgar GARCIA	<p>Collaboration between veterinarians and farmers is fostered by sharing solutions to <u>enhance husbandry practices</u>.</p> <p>The outcomes from the round tables 2A are presented.</p>
----------------	---------------------	--

Group Exercise 3.B. Best practices to enhance a responsible use of antimicrobials. Common presentation and discussion.

15:55 16:20	Edgar GARCIA	<p>Collaboration between veterinarians and farmers is fostered by sharing solutions to enhance <u>responsible use of antimicrobials and to reduce the need to use antimicrobials</u>.</p>
----------------	---------------------	---





The outcomes from the round tables 2B are presented.

16:20 – 16:50 (30 MIN) Coffee break

Case studies – Selected best practices in promoting practices at farm level aiming at reducing AMR.
Discussion of success cases

16:50	Edgar GARCIA , Case Study: Prudent use of antimicrobials in Irish pig farms
17:15	

Conclusions of the training

17:15	Cristina MUÑOZ	Key contents are highlighted and a summary of the training is provided, including lessons learned, relevant questions and answers, among others.
17:25	MADERO	

Post-training test

17:25	Moderator	Self-assessment test to measure the impact of the training.
17:35		Results are commented by the trainers.

Closing of the session and evaluation from participants

17:35	Moderator	It is your opportunity to rate several aspects of the training session.
-------	------------------	---

17:35

End of the training session



Information about the trainers' team

TRAINING COORDINATOR (T1): Cristina MUÑOZ MADERO



Coordinator of the National Plan of Antimicrobials in Spain – AEMPS and Member of the Committee for Veterinary Medicinal Products (CVMP)

She has more than 30 years of expertise in the veterinary field, and 17 years of professional experience in the fields of organization, management and development of antimicrobial resistant activities. She has been involved for years in the development of National Action Plans for the reduction of the risks of antibiotic resistance in both human and veterinary medicine.

Dr. Muñoz holds a deep understanding of the EU approach towards AMR, including involved EU Agencies, EU guidelines and relevant legislations, data monitoring and reporting. She has solid experience coordinating the collection of data related to antimicrobial consumption at a European level. She is in charge of coordinating the ESVAC Spanish Plan for collection of data. Dr Muñoz has extensive experience working in international projects within the field of veterinary medicine and public health. She has been involved and still is in several international working groups within Codex Alimentarius, WHO or FAO.

Trainer 2 – Julie BOLTON

Veterinary Inspector working in Department of Agriculture Food and the Marine



Julie Bolton is a Veterinary Inspector working in Department of Agriculture Food and the Marine since 2018. After qualifying from University College Dublin in 2007 Julie worked as a veterinary practitioner in mixed practice in Ireland, Scotland and Australia followed by a number of years working as a veterinary advisor and clinical veterinary surgeon in the pharmaceutical industry. She holds a Post Graduate Certificate in Veterinary Public Health (2017).

In her current role, she has responsibility for Ireland's National Action Plan on Antimicrobial Resistance (INAP) and oversees the National Antimicrobial Usage database for Pigs as well as the National AMR Surveillance programme in food animals.

Trainer 3 – Rebecca FITZPATRICK

Superintending Veterinary Inspector, Department of Agriculture, Food and the Marine



Rebecca Fitzpatrick is a Superintending Veterinary Inspector working in the Department of Agriculture, Food and the Marine since 2021. Rebecca holds a B.Sc(Hons) in Zoology (2004) and a degree in Veterinary Medicine (2013), both from University College Dublin (UCD). Rebecca worked as a veterinary practitioner in two first opinion small animal clinics in Dublin. She also worked as a TVI in a cattle/sheep plant and taught veterinary students in the clinical skills laboratory in UCD. She holds a Post Graduate Certificate in Veterinary Public Health (2019) and a QQI certificate in Food Standards Auditing (2024). In her current role, she has responsibility for the oversight of the National Veterinary Prescription System (NVPS) and AMR.

Trainer 4 – Edgar GARCIA MANZANILLA

Head of the Pig and Poultry Department, TEASAG



DVM, PhD, MPVM, Dipl. ECPHM. Completed is veterinary degree (2000) and is PhD (2005) at the Universitat Autònoma de Barcelona (UAB). His PhD studied alternatives to antibiotic growth promoter. In 2006 he moved to the University of California - Davis (USA) as a post-doctoral researcher where he studied the relationship between antibiotic use and the development of the immune response. While at UCDavis he also obtained a Master in Preventive Veterinary Medicine. Back to UAB in 2009, he was involved in the analysis of health data from commercial farms. He moved to Ireland in 2014 as a researcher in Teagasc, where he is now the Head of the Pig and Poultry Department. He was a member of the EU-EIP focus groups on “Reduction of the antibiotic use in the pig sector” and coordinator of the focus group on “Reducing antimicrobial use in poultry farming”. He is the Teagasc representative in the Irish National Plan for AMR and he is participating in different projects on biosecurity, disease control and prudent of the use of antimicrobials and he has special interest in the epidemiologic approach to these issues.



Information about the training materials

All the presentations and training materials will be available on our webpage www.armfvtraining.eu

Our webpage also contains links to relevant organizations, as well as programs such as EPRUMA, DISARM and others.

Training materials can be found in English and in national languages on our webpage for dissemination purposes. We encourage you to use the training materials and to practice different dissemination methods, i.e. informing peers about the information received during the training, distributing training materials, giving presentations based on the training materials, among others.

Next steps

Two months after the training, participants will be contacted via email to fill in an online questionnaire to measure the training's effectiveness. This questionnaire will contain questions about the application of the acquired knowledge in daily work practice. By attending the training, you agree to be contacted for this purpose and to provide information through the online questionnaire.

It is expected that all participants compromise to disseminate the content of the training and knowledge acquired.