



TRAINING PROGRAMME ON ZONOSSES

DAY 1: Welcoming address and introduction on Zoonoses and the EU legal framework

Before 14:00 // Arrival and registration of participants

14:30 – 15:00

Welcome address



GEM01

Delivery of the training material (folder and memory stick).

To introduce the BTSF course “Control of zoonoses, with a particular focus on the control of *Salmonella* in poultry and pigs and *Campylobacter* along the poultry meat production chain” Welcome address, presentation of the program, tutors, participants and participants’ expectations

BTSF promotional movie

Method of training:

Lecture Day 1.1

Questions and Answers

Media: BTSF video

Responsible tutor

Event Manager and Doris Mueller-Doblies

15:00 – 15 :30

Pre-Test



GEM02

OMBEA tool is used to assess and collate answers to the opening questionnaire

- 15 questions asked with OMBEA tools
- General knowledge on zoonoses, *Salmonella*, *Campylobacter*, farm biosecurity and hygiene

Responsible tutor

Event Manager and Doris Mueller-Doblies

15:30 – 16:00

Icebreaking Coffee break.



GEM03

Each participant receives half of a microorganism/bacteria picture

He/she has to find the participant with the 2nd half of the same picture and to learn about who she/he is and what her/his professional background is.

Responsible tutor

Event Manager and Doris Mueller-Doblies

16:00 – 16:30

Round-table of trainees



GEM04

Each participant introduces his/her partner from the icebreaking coffee break:

- Name,
- Country of origin,
- Background.

Responsible tutor

Event Manager and Doris Mueller-Doblies

16:30 – 17:15

Module 1: Introduction to zoonoses –



ZEU01

Training objective / subjects covered

The importance of zoonoses on a global scale and with a particular focus on the situation in the EU. Participants will learn about the different zoonotic agents which are of most importance for human health and how the situation has developed over the past few years.

Method of training:

Lecture Day 1.2

Questions & answers

Responsible tutor

Training Coordinator Doris Mueller-Doblies



17:15– 18:00

Module 1: EU legal framework for the control of zoonoses



ZEU02

Training objective / subjects covered

Participants will be introduced to important EU legislation, starting with the General Food Law (Reg. 178/2002), Reg. 851/2004 and the Hygiene Package (Reg. 852 and 853/2004). They will also be introduced to the new Official Controls Regulation OCR, to Alert Systems (RASFF and EWRS), Directive 2003/99, Reg. 2160/2003 and Reg. 2073/2005

Method of training:

Lecture Day 1.2

Questions & answers

Responsible tutor

Tutor : Lesley Larkin

Training Coordinator Doris Mueller-Doblies

18:00 // Welcome drink

19:00 // Dinner at the hotel

DAY 2: Risk Management related to *Salmonella*

9:00 – 9:15

Anchoring game: Module 1: Zoonose and EU legal framework



GEM05

Training objective / subjects covered

Brief reminder under the form of a Quiz on previous day's lectures (i.e.: Which are the two most common pathogens causing food-borne zoonoses cases in the EU?).

Method of training

Quiz – Day 2.1

Interactive vote

Responsible tutor

Training Coordinator

Doris Mueller-Doblies

09:15 – 10:00

Module 2: *Salmonella* infection in poultry and pigs



RMS01

Training objective / subjects covered

Participants will learn about specific properties of the bacterium *Salmonella* and how it infects livestock. (vertical and horizontal transmission). Infection of poultry and pigs will be covered in detail. *Salmonella* Enteritidis cases and other *Salmonella* serovars will be introduced.

Method of training

Lecture Day 2.3 - Examples - Questions and Answers -

Responsible tutor

Tutor : Doris Mueller-Doblies

10:00 – 10:45

Module 2: Risk factors for *Salmonella* infection on poultry and pigs



RMS02

Training objective / subjects covered

- Risk factors for *Salmonella* infection on poultry and pig farms; the most common pathways of introduction of *Salmonella* in poultry and pig farms. (infected breeders, contaminated feedingstuffs and/or drinking water; personnel hygiene; contaminated vehicles; lack of entrance restrictions; rodent; other animals)

Method of training

Lecture Day 2.4 - Examples - Questions and Answers -

Responsible tutor

Tutor : Antonia Ricci/Lisa Barco

Training Coordinator

Doris Mueller-Doblies

10:45 – 11:15 // Coffee break and group photo

11:15 – 12:00

Module 2: EU provisions on the control of *Salmonella* in Poultry



RMS03

Training objective / subjects covered

- EU legislation covering *Salmonella* control at the Primary Production level, starting with Reg. 2160/2003 and explaining all the sector-specific regulations. Establishing a link to Reg. 2073/2005 on Microbiological Criteria.

Method of training

Lecture Day 2.6

Questions and Answers

Responsible tutor

Tutor: Lesley Larkin

Training Coordinator:



12:00 – 12:30

Module 2: General risk management related to *Salmonella*



RMS04

Training objective / subjects covered

- General risk management of *Salmonella* infections on poultry farms. How to identify and prevent risk factors (equipment, staff, etc.)

Method of training

Lecture Day 2.5
Questions and Answers

Responsible tutor

Tutor: Antonia Ricci/Lisa Barco
Training Coordinator
Doris Mueller-Doblies

12:30 – 14 :00 // Lunch break

14:00– 15:15

Module 1: Zoonoses and EU legal framework – role-playing



ZEU03

Training objective / subjects covered

Group exercise – how to report an outbreak of *Salmonella* Enteritidis in your country.

- Each of the 5 groups will identify a speaker. Each group will share experiences and then, the speaker will deliver information to the audience in order to share experience from different member states.

Method of training

Exercise – Day 2.2

Responsible tutor

Tutor: Lesley Larkin
Training Coordinator
Doris Mueller-Doblies

15:15– 15:45

Module 2: Specific risk management related to *Salmonella*



RMS05

Training objective / subjects covered

- Specific risk management of *Salmonella* infections on pig farms. How to identify risk factors and avoid them.

Method of training

Lecture Day 2.6
Questions and Answers

Responsible tutor

Tutor: Dariusz Wasyl
Training Coordinator
Doris Mueller-Doblies

15 :45 – 16 :15 // Coffee break

16:15– 17:00

Module 2: *Salmonella* and AMR, new and emerging threats



RMS06

Training objective / subjects covered

- Basic knowledge on antimicrobial resistance and important AMR patterns seen in *Salmonella* isolates across Europe

Method of training

Discussion
Lecture

Responsible tutor

Tutor: Dariusz Wasyl
Training Coordinator
Doris Mueller-Doblies

17:00 – 17:30 Module 2: Specific risk management related to *Salmonella* (discussion)



RMS07

Training objective / subjects covered

Each group (5) prepare one question to ask to another group. (5 min)

Each group then prepares an answer to the specific question (5 min)

Each group delivers the answer to the audience (20 min)

This exercise allows participants to review and to anchor the main principles on risk management related to *Salmonella*.

Responsible tutor

Tutor: Dariusz Wasyl
Training Coordinator, Doris Mueller-Doblies

20:00 // Dinner / social event



DAY 3: Control of Salmonella and Campylobacter

9:00 – 9:15

Anchoring game: Exercise on *Salmonella*



GEM06

Training objective / subjects covered

Each of the 5 groups identifies a representative/ speaker. The tutor will give the same list of 10 words to each speaker. Each speaker will give a definition to the group in order that they identify the right word. (i.e.: salmonella, risk management, biosecurity).

Method of training

Exercise Day 3.1

Use of OMBEA tool

Responsible tutor

Training Coordinator and tutor

Doris Mueller-Doblies

09:15 – 10:00

Module 3: Control of *Salmonella* in poultry– practical aspects



COS01

Training objective / subjects covered

Biosecurity on poultry farms – Participants will learn the background about biosecurity and see lots of pictures of good and bad examples of biosecurity. Measures will be shared (entry of people, vehicles, equipment; change of clothing/provision of protective clothing; boot hygiene/change of boots/boot dips; cleaning and disinfection of buildings; control of rodents and wildlife; control over feed and drinking water quality; control over the source of the animals)

Method of training

Lecture Day 3.3

Questions & answers

Responsible tutor

Tutor

Doris Mueller-Doblies

10:00– 10:20 // Coffee break

10:20 – 11:30

Module 3: Control of *Salmonella* in poultry and pigs – practical aspects



COS02

Training objective / subjects covered

- Group exercise – A case of *Salmonella* infection on a laying farm is described. Participants are invited to investigate the different sources of infections and to discuss possible control options.
- A list of questions will be distributed to each of the 5 groups. Each group will have time to discuss the scenario and prepare answers. Then, each representative/ speaker will respond to their group's questions in front of the audience with the support of the training coordinator and tutor.

Method of training

Exercise

Groups of 6 to 7

Responsible tutor

Tutor

Antonia Ricci/Lisa Barco

Training Coordinator

Doris Mueller-Doblies

11:30 – 12:15

Module 3: Control of *Salmonella* in poultry and pigs



COS03

Training objective / subjects covered

- The holistic approach to *Salmonella* control. In this presentation, participants will learn about *Salmonella* control at the different levels of production, starting at the top of the breeding pyramid and involving all aspects of production.

Method of training

Lecture Day 3.2

Questions & answers

Responsible tutor

Tutor

Antonia Ricci

Lisa Barco

Dariusz Wasyl

Training Coordinator

Doris Mueller-Doblies

12:15 – 12:30

Module 3: *Salmonella* vaccination – practical aspects



Training objective / subjects covered

The audience will be divided into 2 groups and each group will have to give arguments to defend their opinion, on the



COS04

basis of two questions:

Do you think *Salmonella* vaccination should be allowed or even mandatory in all Member States?

Do you think *Salmonella* vaccination is good or not?

Method of training

Discussion

Questions & answers

Responsible tutor

Tutor

Antonia Ricci

Lisa Barco

Dariusz Wasyl

Training Coordinator

Doris Mueller-Doblies

12:30 – 13 :45 // Lunch break

13:45 – 14:45

Module 3: Control of *Salmonella* in poultry and pigs – practical aspects



COS05

Training objective / subjects covered

- Group exercise – A case of *Salmonella* infection on a pig farm is described. The groups will discuss the scenario, how to visit the farm and how to give advice
- A list of 2 questions will be distributed to each of the 5 groups. Each group will have time to discuss the scenario and prepare answers. Then, each representative/ speaker will respond to their group's questions in front of the audience with the support of the training coordinator and tutor.

Method of training

Exercise

Groups of 6 to 7

Responsible tutor

Tutor

Antonia Ricci

Lisa Barco

Dariusz Wasyl

Training Coordinator

Doris Mueller-Doblies

14 :45 – 15 :30

Module 4: *Campylobacter*



CAMP01

Training objective / subjects covered

Introduction to *Campylobacter*. Participants will learn about the bacteriological properties of *Campylobacter* and its ability to infect poultry.

Method of training

Lecture Day 3.4

Questions & answers

Responsible tutor

Tutor

Eva Olsson/Ingrid Hansson

Training Coordinator

Doris Mueller-Doblies

15:30– 16:00 // Coffee break

16:00 – 16:30

Module 4: Risk factors for *Campylobacter* Part 1



CAMP02

Training objective / subjects covered

Risk factors for *Campylobacter* – part 1

Method of training

Lecture Day 3.5

Questions & answers

Responsible tutor

Tutor

Eva Olsson/Ingrid Hansson

Training Coordinator

Doris Mueller-Doblies

16:30 – 17:15

Module 4: Risk factors for *Campylobacter* Part II



CAMP03

Training objective / subjects covered

Risk factors for *Campylobacter* – part 2 (set of measures)

Method of training

Lecture Day 3.6

Responsible tutor



Questions & answers

Tutor

Eva Olsson/Ingrid Hansson

Training Coordinator

Doris Mueller-Doblies

17:15 – 17 :30

Module 4: *Campylobacter*



CAMP04

Training objective / subjects covered

Quiz on *Campylobacter* (e.g. What is the most common clinical sign of *Campylobacter* infection in humans?)

Method of training

Quiz Exercise

Questions & answers

Responsible tutor

Tutor

Eva Olsson/Ingrid Hansson

Training Coordinator

Doris Mueller-Doblies

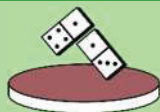
20:00 // Dinner in traditional restaurant



DAY 4: *Campylobacter* and closing meeting

08:30 – 08:45

Anchoring game – Association game



GEM07

Training objective / subjects covered

Crossword to check the knowledge gained on *Campylobacter*

- On the basis of a definition, identify the correct word on each line and column.

Method of training

Eva Olsson

Ingrid Hansson

Responsible tutor

Tutors:

Eva Olsson/Ingrid Hansson

Training Coordinator

Doris Mueller-Doblies

08:45– 10:15

Module 4: *Campylobacter*



CAMP05

Training objective / subjects covered

Group exercise – *Campylobacter* outbreak linked to the consumption of raw milk from a dairy farm

- An outbreak of campylobacteriosis linked to a dairy farm selling raw milk is identified. Groups are asked to discuss possible pathways and explain to the farmers which investigations should be launched and which control measures will be implemented.

Method of training

Exercise Day 4.2

Groups of 5 students

Interactive vote

Responsible tutor

Tutor :

Ingrid Hansson/Eva Olsson

Lisa Barco

Training coordinator

Doris Mueller-Doblies

10:15 – 10:45 // Coffee break

10:45 – 11:15

Dissemination of the training programme



GEM08

Training objective / subjects covered

Present a turn-key one-day training programme that can be replicated by the trainees in their own country

Request feedback on the organisation of training events

Method of training

Presentation

Responsible tutor

Training Coordinator

Doris Mueller-Doblies

11:15 – 11:45

Post-test (Repetition of day 1) and answers



GEM09

Identify the success of the training course and the difficulty of assessing poor labelling.

Method of training

Responsible tutor

Training Coordinator

Doris Mueller-Doblies

11:45 – 12:00

Closing of the Training



GEM10

Review trainees' questions and expectations

Remarks by the trainees

Conclusions regarding the Zoonose programme

Method of training

Responsible tutor

Training Coordinator

Doris Mueller-Doblies

12:00 – 12:30

Evaluation and delivery of training certificates



Funded by
the Better Training for Safer Food
Initiative of the European Union



GEM11

Evaluation of the Training on line
Distribution of training certificates, group photo

Method of training

Responsible tutor

Training Coordinator
Doris Mueller-Doblies

12:15 – 13:30 // Lunch at the Hotel / After 13:30 // Free Time + Transfer to airport