

**Organisation and implementation of training activities on principles and methods of risk assessment in the food chain – Chafea/2018/BTSF/05 - under the “Better Training for safer Food” Initiative**

**COURSE 6 – RISK ASSESSMENT APPLIED TO ANIMAL HEALTH AND WELFARE**

**Phase 2**

Valid as of 26/07/2023

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## **1. Course objectives**

### **General objective**

The main goal of the training programme is to disseminate best practices for the implementation of principles and methods of food chain risk assessment, improving knowledge of this complex area of work and ensuring consistent and high implementation standards across the European Union.

### **Specific objectives**

- Promoting reduction of discrepancies in procedural aspects of risk assessment
- Contribute to the harmonisation of risk assessment approaches
- Contribute to increasing transparency and building trust amongst Member States' authorities in each other's risk assessments.
- Disseminate best practices for risk management and communication
- Promote exchange of experience in order to increase the level of expertise and harmonisation of approaches.

The training will be addressed to officials from the Member States, EEA/EFTA countries and EU candidate countries involved in the risk assessment field.

## 2. Training dates and locations

Two five-day Face-to-face (F2F) training courses will be delivered in March 2024 and January 2025 with approximately 20 people and it will be designed in the following way: overall five full day sessions (from around 9 AM until around 5 PM Central European Time) with opening introductory session in the morning on the first day and a closing morning session on Friday.

**Table 1: Training dates and Location**

Year	Training sessions	Course title	Locations*	Proposed dates**	Registration deadline
2024	TS 1	Risk Assessment applied to Animal Health and Welfare	Warsaw, Poland	18-22 March 2024	16/02/2024
2025	TS 2	Risk Assessment applied to Animal Health and Welfare	Valencia, Spain	20-24 January 2025	18/12/2024

For organisational purposes, names of participants should be communicated at the latest 30 days before the workshop. A reminder will be sent to NCPs before the event.

### 3. Selection criteria for participants

- Participant must:
1. Fulfil the eligibility criteria
  2. Meet the minimum requirements
  3. Be selected using the evaluation criteria

#### 1. Eligibility criteria for Course 6 Risk Assessment applied to Animal Health and Welfare

Only **eligible participants** should be further assessed against the minimum requirements below.

Trainees must be originated from national authorities and public institutions (e.g. ex art. 36 of EFSA's founding Reg. CE 178/2002), involved in food chain risk assessment.

Participants must meet the minimum requirements below to ensure they can follow and fully participate in this course. Participants who do not meet the minimum requirements should not be proposed for the training.

2. Minimum requirements for Course 6 Risk Assessment applied to Animal Health and Welfare	Yes/No
<p>Participant must:</p> <ul style="list-style-type: none"> <li>• Have worked in functional areas of food chain risk assessment with a minimum of 3 years of professional experience or</li> <li>• Have had experience of setting up and implementation of food chain risk assessment in a Competent Authority (covering areas of food/ feed safety, animal health or animal welfare).</li> </ul>	Yes/No

The evaluation criteria should be used as a tool to prioritise participation (higher score indicates higher priority), but there is no minimum score necessary.

3. Evaluation criteria for Course 6 Risk Assessment applied to Animal Health and Welfare		Enter Score
a)	Professional experience within a public institution or a competent authority involved in food chain risk assessment  <u>Scoring</u> less than 3 years = 1 points; 3 - 5 years = 5 points; 5 - 10 years = 10 points; > 10 years = 12.5 points	
b)	Experience in Risk Assessment applied to animal health and welfare  <u>Scoring</u> less than 2 years = 0 points; 2 - 5 years = 5 points; 5 - 10 years = 10 points; > 10 years = 12.5 points	
c)	Experience in crisis investigation and management  <u>Scoring</u> no experience = 0 points; less than 3 years = 5 points; 3 - 5 years = 10 points; > 5 years = 12.5 points	

d)	<p>During the course, participants will be provided with a training package to be used as support dissemination material. Commitment to disseminate the knowledge received is a prerequisite for course participation.</p> <p><u>Scoring</u></p> <ol style="list-style-type: none"> <li>1. Commitment to distribute the training material among their colleagues = 5 points;</li> <li>2. Point 1 plus preparing and giving presentations based on the training material for the staff of national competent authorities/uploading training material to national competent authorities' intranets/websites = 10 points</li> <li>3. Points 1, 2 plus preparing informative articles in the professional national journals = 12,5 points</li> <li>4. no commitment = 0 points</li> </ol>	
<b>Maximum total score</b>		<b>50</b>

#### 4. Country allocations

A total of 20 seats for each session will be allocated according to the tables below. The course will be offered to officials of the Member States, EEA/EFTA countries and EU candidate countries. It's highlighted that each invited country will be requested to select trainees coming from the risk assessment field. Please note that the number of allocated seats for each country may vary.

**Table 2: Suggested allocation for EU Member States and Candidate Countries**

Country group	Country	TS01 - Warsaw	TS02 - Valencia
		18-22 March 2024	20-24 January 2025
Member States	Austria	1	0
	Belgium	0	1
	Bulgaria	1	0
	Croatia	1	0
	Cyprus	0	1
	Czech Republic	1	0
	Denmark	0	1
	Estonia	1	0
	Finland	1	0
	France	0	1
	Germany	0	1
	Greece	0	1
	Hungary	1	0
	Ireland	0	1
	Italy	1	1
	Latvia	1	0
	Lithuania	1	0
	Luxembourg	0	1
	Malta	0	1
	Netherlands	0	1
	Poland	1	1
	Portugal	1	1
	Romania	1	0
	Slovakia	1	1
	Slovenia	1	0
	Spain	1	1
Sweden	0	1	
Candidate Countries	Albania	0	1
	Bosnia and Herzegovina	1	0
	Montenegro	1	0
	North Macedonia	1	0
	Serbia	0	1
	Türkiye	0	1
	Ukraine	1	0

**Table 3: Suggested allocation for other non-EU Countries**

Non-EU Countries	Iceland	0	0
	Norway	0	1
	Northern Ireland	0	0

You are welcome to nominate more participants for the reserve list than indicated in the table above. If seats will become available you will be informed in due time.

In addition to the numbers indicated above, each country will be requested to indicate additional participants for a reserve list to be used should one or more countries not meet the proposed quota.

For logistic organisational reasons, it is kindly requested that names of participants shall be communicated at the latest within 30 days from the workshop. A reminder will be sent to NCPs before event.

Should you consider that the number of allocated seats is insufficient to meet your country's training needs, please contact the Project Manager at [20189605riskassessment@btsftraining.com](mailto:20189605riskassessment@btsftraining.com) as soon as possible, providing an explanation.

The contractor will evaluate your request and pass it to the Contracting Authority for consideration.

## **5. Face-to-face logistical arrangements**

In the case of face-to face training sessions, the European Commission will fund in full the visa, travel, accommodation, meals for all training participants. No daily allowance will be paid on top of this. Any other costs are to be paid by the participants themselves.

Participants will arrive at the training venues on morning of day 1 (Monday) and training will commence around lunch time (depending on travel connections, participants may be requested to arrive at the training venues on the evening of Sunday). Return travel will be on the afternoon of day 5, upon closure of the session, or on the following morning of Saturday according to flight connections.

OPERA Team will liaise further with the nominated participants for all logistics and practical aspect.



## Annex 1: Background and main topics covered in training

### Background

The EFSA Advisory Forum has on several occasions expressed a need to develop a long-term training programme on risk assessment for experts working in different fields of the food chain, wishing also more recently to extend these training programmes to additional areas of risk assessment.”

The harmonisation of risk assessment methodologies has been identified as a priority area of the Strategy for Cooperation and Networking between the EU Member States and EFSA, since harmonisation would help in the development of high-quality scientific opinions that are recognised as truly authoritative. This harmonisation does not aim at standardising risk assessment methodology, but merely at identifying possible discrepancies between the approaches used by different Member States in order to increase transparency and trust amongst Member States’ authorities in each other’s risk assessments.

2008 EFSA Working Group Report on “Fostering harmonised risk assessment approaches in Member States” pointed out how countries organised risk assessment differently at the time. Many of the procedures in the countries appeared to be in line, or at least not in conflict, with procedural aspects within EFSA, however highlighting discrepancies in procedural aspects of risk assessment, mostly regarding declarations of interest, public register of risk assessment requests, procedures concerning the selection of experts, the interaction with stakeholders and between risk assessors and risk managers during the risk assessment process. Harmonisation of risk assessments is thus considered fundamental to avoid divergences by different national agencies and strengthen collaboration within Europe and beyond.

The present training programme will address issues listed above through the adoption of a practical approach, aimed to increase knowledge of Competent Authorities and scientists from public institutions and national authorities involved in food chain risk assessment in order to increase the level of expertise and harmonisation.

\* \* \*

Animal health and animal welfare rules are almost fully based on EU law. The development of these rules has enabled the creation of the internal market for live animals, whilst ensuring a high level of protection of animals and humans. At international level, the EU legislation allows compliance with the international obligations, such as those developed by the World Trade Organisation (WTO), Codex Alimentarius and the World Organisation for Animal Health (OIE). Safe trade requires a high level of competence and expertise of the controlling authorities in the Member States when ensuring that official controls are efficient, objective and adequate. The staff of controlling authorities must have a broad knowledge of different hazards affecting animal health and welfare and they must be able to identify non-compliance with animal health and animal welfare requirements. When exporting live animals to the EU, non-EU countries must provide guarantees that exported consignments were obtained respecting EU legislation with regards to animal health and, where appropriate, animal welfare requirements, or at least under equivalent standards. Respecting these rules is necessary to prevent introduction of animal diseases into the EU. It is in this context that training is considered as a key driver in raising knowledge and awareness of EU laws, in ensuring their correct enforcement and in promoting a harmonized approach to the operation of EU and national control systems.

Risk assessment is the generally accepted technique to assess the risks on animal health and welfare most objectively. It provides decision makers with an objective, repeatable and documented assessment of the risks posed by a particular action. “What can go wrong? How likely is it that it will go wrong? What are the consequences? What can we do about it?”. It is therefore of utmost importance that staff of controlling authorities are well aware of the principles and methods of risk assessment in order to enable them to assess the risks for animal health and welfare and compare various risk paths.

The purpose of this training is to introduce participants to the principles of risk assessment in importing animal

diseases and in animal welfare. In addition, they will train practical skills to apply these principles in case studies. This training will also contribute to the harmonization of risk assessment in animal health and welfare in the EU.

### Main topics covered in the training

- Introduction to risk assessment for animal welfare (different steps, risk assessment at national and at international level, approaches in different areas of animal welfare (husbandry, transport, and slaughter), problem formulation, exposure scenarios);
- Four steps of RA in animal welfare. What makes RA for Animal Welfare unique
  - Hazard Identification: Statement of problem and scope of risk assessment; Data and information on practices related to the risk question;
  - Hazard Characterization: The concept of pain and suffering; Evaluating consequences of hazards, intensity and duration; The question of multiple interactions between welfare factors; Genotype by environment interactions; Evidence in animal welfare: data, peer-reviewed literature, and expert opinion (data collection and databases, systematic literature reviews, expert knowledge elicitation); Integrating the use of animal-based indicators and risk assessment: modelling hazard-response relationship;
  - Exposure Assessment: Exposure scenarios; Uncertainty and variability in exposure assessment; Sources of data and models, their generality vs. context dependency;
  - Risk Characterization: Qualitative, semi-quantitative, quantitative outputs; Distinguishing variability and uncertainty; Sensitivity analysis and “what if” scenarios, including alternative models/assumptions; Model criticism: model fit and model comparison; Applicability and generality of results, limitations.
- Risk management aspects specifically related to animal welfare risk assessment:
  - Availability and use of existing data;
  - Unmitigated versus mitigated risk assessment and assessment of management options.
- Introduction to import risk assessment (IRA) in the field of animal health (different steps, import risk assessment, risk assessment at national and at international level) and its legal framework, examples of risk assessments for animal health;
- Data requirements for IRA in the field of animal health
  - The different steps of IRA in the field of animal health;
  - Problem formulation:
    - *IRA initiated by the identification of a pathway or a commodity;*
    - *IRA initiated by the identification of a disease or a pathogen;*
    - *IRA initiated by the review or revision of a policy;*
    - *Formulation of the risk question(s).*
  - Assessment of introduction and spread of a disease or disease agent
    - *Probability of entry;*
    - *Probability of establishment;*
    - *Probability of spread (host availability).*
  - Assessment of potential consequences associated with the introduction and spread of diseases
    - *Impact on susceptible host population;*
    - *Economic and environmental side effects.*
- Identification of appropriate risk management options in animal health risk assessment
  - Mitigated versus non-mitigated risk assessment

- Options for the risk prevention or risk reduction
- Assessment of the effect of risk management options on the level of risk
- Short introduction to Risk Communication.

## **Annex 2: Legislation and guidance**

- Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety;
- Regulation No 1831/2003 on additives for use in animal nutrition;
- EFSA, 2009, Technical report on fostering harmonised risk assessments approaches on animal health and welfare issues in the Member States
- EFSA, 2011, Technical report on technical specifications on training regarding principles and methods of food safety risk assessment.
- EFSA, 2012, Guidance on Risk Assessment for Animal Welfare
- EFSA, 2017, Guidance on Uncertainty Analysis in Scientific Assessments

## Annex 3: Agenda

### DAY 1 – Monday

<i>Time</i>	<i>Topic</i>	<i>Tutor</i>
12.45– 13.45	<b>Lunch</b> Registration participants starting at 12.45	
13.45– 14.15	Welcome addresses, course background, objectives & expected results, presentation of tutors and participants	Training coordinator
14.15– 14.30	Preliminary discussion with participants, aimed at enquiring about their expectations on the training initiative. Analysis of feedback of pre-questionnaires, sent prior to the training session.	Training coordinator
14.30– 14.35	Better Training for Safer Food: presentation of a video	
14.35– 14.50	Initial test of Knowledge	
<b>TOPIC 1: INTRODUCTION TO RISK ASSESSMENT IN ANIMAL HEALTH (IRA) and TOPIC 2: HAZARD IDENTIFICATION IN ANIMAL HEALTH</b>		
14.50– 15.20	<b>TOPIC 1: INTRODUCTION TO RISK ASSESSMENT IN ANIMAL HEALTH (IRA) and TOPIC 2: HAZARD IDENTIFICATION IN ANIMAL HEALTH</b> <b><u>1.1 General introduction to risk assessment</u></b> <ul style="list-style-type: none"> <li>Risk assessment principles</li> <li>National and international (OIE, EFSA, FAO, WHO, OECD, CODEX and others) guidelines for risk assessment</li> <li>Overall objective of risk assessment using a well-structured approach based on four steps: 1. Hazard identification 2. Hazard characterization 3. exposure assessment 4. risk characterization; in order to set the scene for the rest of the program in this training</li> </ul> <b><u>1.2. Introduction to import risk assessment (IRA) in AH</u></b> <b><u>2.1. Hazard Identification and Formulating the risk question in IRA</u></b> <i>Presentation</i>	Training coordinator
15.20– 15.50	Coffee break	
15.50– 16.20	<b>TOPIC 1: INTRODUCTION TO RISK ASSESSMENT IN ANIMAL WELFARE and TOPIC 2: PROBLEM FORMULATION IN ANIMAL WELFARE</b> <b><u>1.3 Introduction to risk assessment in Animal Welfare, including risk and benefit</u></b> <b><u>2.2 Dealing with steps of problem formulation in RA for AW</u></b> <i>Presentation</i>	Tutor
16.20– 17.50	<b>Interactive session on TOPIC 1–2 (Problem formulation in RA for AH and AW)</b> <i>In a practical exercise, the participants will get acquainted to problem formulation for AH- and AW-related issues.</i> <ul style="list-style-type: none"> <li><i>IRA in AH: Formulating the risk question, focusing on a commodity/pathway (e.g. introduction of chicken from country X: “what hazards may be identified?”) or on a pathogen (describing the possible pathways for exposure to a specific pathogen in the importing country).</i></li> </ul>	All tutors

	<ul style="list-style-type: none"> <li>• <i>RA in AW: Formulating the risk question as either factor-based or consequence-based. Welfare consequences of e.g. tail biting in pigs. "What risks? / what benefits?".</i></li> </ul> <p><i>Working group exercise followed by plenary discussion</i></p>	
17:50–18.00	Overview and Conclusions of Day 1	Training coordinator
18.00	End of Day 1	
19.00	<b>Welcome cocktail and welcome dinner</b>	

### ***DAY 2 – Tuesday***

<i>Time</i>	<i>Topic</i>	<i>Tutor</i>
<b>TOPIC 3: QUALITATIVE IMPORT RISK ASSESSMENT</b>		
09.00–09.30	<p><b>3.1 Estimating probability of exposure in absence of sufficient numerical data</b></p> <ul style="list-style-type: none"> <li>• Collecting information: available data, expert elicitation</li> <li>• Using qualitative terms (negligible, very low ... very high) to describe probabilities and uncertainties</li> <li>• Combining qualitative probabilities in an entry risk pathway</li> <li>• Factors to be considered in the entry assessment (biological; country; commodity)</li> <li>• Predictive tools for epidemiological information related to transboundary animal diseases potentially affecting animal populations in Europe in the next years</li> <li>• Introduction of semi-quantitative risk assessment</li> </ul> <p><i>Presentation</i></p>	Training coordinator
09:30–10.30	<p><b>Interactive session on TOPIC 3 (Case study on IRA – part 1)</b></p> <p><i>In this practical exercise, working on the pathogen exercise of the previous day, the participants will be challenged carrying out a qualitative risk assessment.</i></p> <p><i>Working group exercise</i></p>	Tutors
10.30–11.00	Coffee break	
11.00–12.00	<p><b>Interactive session on TOPIC 3 (Case study on IRA – part 2)</b></p> <p><i>In the plenary meeting, the results of the different groups are presented and compared.</i></p>	<i>Plenary discussion</i>
<b>TOPIC 4: FACTOR AND CONSEQUENCE CHARACTERIZATION in ANIMAL WELFARE</b>		
12.00–12.30	<p><b>TOPIC 4: FACTOR AND CONSEQUENCE CHARACTERIZATION in ANIMAL WELFARE</b></p> <p><b>4.1 The concept of pain and suffering</b></p> <ul style="list-style-type: none"> <li>• Animal welfare consequences and their measurement (e.g. level, duration and intensity)</li> <li>• Multiple Interaction between welfare factors</li> <li>• Probability assessment</li> </ul> <p><i>Presentation</i></p>	Tutor
12.30–13.30	<b>Lunch break</b>	
13.30–14.00	<p><b>4.2 Evidence in animal welfare</b></p> <ul style="list-style-type: none"> <li>• Data collection and databases, systematic literature reviews, expert's opinion</li> <li>• Integrating the use of animal-based indicators and risk assessment: modelling hazard-response relationship</li> </ul> <p><i>Presentation</i></p>	Tutor
14.00–14.15	<b>Questions and answers</b>	
<b>TOPIC 5: QUALITATIVE RISK ASSESSMENT IN ANIMAL WELFARE</b>		

14:15– 15.15	<b>Interactive session on TOPIC 5 – part I)</b> <i>The participants will be introduced a practical exercise on tail biting in pigs and they will be challenged carrying out a qualitative assessment to verify pain and suffering,</i>	Tutors
15.15– 15.45	Coffee break	
15.45– 16.45	<b>Interactive session on TOPIC 5 (part II)</b> <i>In the plenary meeting, the results of the different groups are presented and compared.</i>	Plenary discussion
16.45– 17.00	Overview and Conclusions of Day 2	Training coordinator
17.00	End of Day 2	
18.00	<b>Guided tour of City Center, followed by Social dinner</b>	

### ***DAY 3 – Wednesday***

<i>Time</i>	<i>Topic</i>	<i>Tutor</i>
<b>TOPIC 6: QUANTITATIVE IMPORT RISK ASSESSMENT</b>		
09.00– 09.30	<b><u>6.1 When to use a quantitative import risk assessment</u></b> <ul style="list-style-type: none"> <li>• Basic structure of a good import risk assessment</li> <li>• Import pathways, methods and tools, lack of data</li> </ul> <i>Presentation</i>	Tutor
09.30– 10.00	<b><u>6.2 Data, uncertainty and variability</u></b> <ul style="list-style-type: none"> <li>• Data needs and data source</li> <li>• Introduction of probability distributions to model variability and uncertainty associated with a certain input</li> <li>• Introduction of available simulation software (e.g. Minrisk) allowing a range of probabilities values to be used</li> <li>• Sensitivity analysis in IRA</li> </ul> <i>Presentation</i>	Tutor
10.00– 10.15	<b><i>Question and Answers</i></b>	
10.15– 10.45	Coffee break	
10.45– 12.30	<b>Interactive session on TOPIC 6 (Development of a quantitative IRA – working group)</b> <i>In this practical exercise, the participants will be challenged including specific data, statistics, variability and uncertainty factors in the scenario of a bluetongue virus serotype 8 import in an EU country so as to do a simple quantitative exposure assessment (using a calculator or Excel). In the plenary meeting, the results of the different groups are presented and compared.</i> <i>Working group exercise, followed by plenary discussion.</i>	Training Coordinator + Tutor
12.30– 13.30	Lunch break	
<b>TOPIC 7: DEVELOPMENT OF A QUANTITATIVE RISK ASSESSMENT IN ANIMAL WELFARE</b>		
13.30– 14.00	<b><u>7.1 Data for risk assessment in animal welfare</u></b> <ul style="list-style-type: none"> <li>• Exposure scenario's description: Relevant factors that have the potential to influence the animals' welfare (factors present/absent all the time and/or during a certain period and/or at different levels)</li> <li>• Conceptual model, including identification of the relevant methodology and the data needs</li> </ul> <i>Presentation</i>	Tutor
14.00– 14.30	<b><u>7.2 Interpretation of data</u></b>	Tutor

	<ul style="list-style-type: none"> <li>• Interpretation and summarisation of data with the appropriate statistical methods and/or interpreted by the working group experts in the light of the available metadata.</li> <li>• Introduction of probability distributions to model variability and uncertainty associated with a certain factor</li> <li>• Sensitivity analysis</li> </ul> <p><i>Presentation</i></p>	
14.30– 14.45	<b>Question and Answers</b>	
14.45– 15.00	Coffee break	
15.00– 17.00	<p><b>Interactive session on TOPIC 7 (Development of a quantitative RA in animal welfare–working group)</b></p> <p><i>Following given scenario on tail biting/tail docking in pigs', the participants will be challenged with evaluating exposure to risk according to potential consequences, variability and uncertainty factors. In the plenary meeting, the results of the different groups are presented and compared.</i></p> <p><i>Working group exercise, followed by plenary discussion.</i></p>	Tutor
17.00– 17.15	Overview and Conclusions of Day 2	Training Coordinator
17.15	End of Day 3	
20.00	Dinner	

***Day 4 – Thursday***

<i>Time</i>	<i>Topic</i>	<i>Tutor</i>
<b>TOPIC 8: PERFORMING A QUANTITATIVE RISK ASSESSMENT IN ANIMAL HEALTH</b>		
08.45– 09.15	<ul style="list-style-type: none"> <li>Methodologies and models for a scenario tree analysis</li> <li>Comparison of the performance of the semi-quantitative against quantitative models</li> </ul> <i>Presentation</i>	Tutor
09.15– 10.15	<b>Interactive session on TOPIC 8 (Performing a quantitative risk assessment in animal health – part I)</b> <i>In this practical exercise, the participants will finalize the exposure assessment using the scenario of a bluetongue virus serotype 8 import in an EU country introduced in the previous day.</i> <i>Working group exercise</i>	Tutor
10.15– 10.45	Coffee break	
10.45– 11.15	<b>Interactive session on TOPIC 8 (part II)</b> <i>In the plenary meeting, the results of the different groups are presented and compared.</i>	Plenary discussion
<b>TOPIC 9: RISK CHARACTERIZATION IN ANIMAL HEALTH</b>		
11.15– 11.45	Describing the relationship between the introduction and spread of a pathogen and consequences of the exposure <ul style="list-style-type: none"> <li>Establishment of adverse health effects on animal and human health</li> <li>Establishment of socio-economic and environmental effects of interest</li> <li>Introduction to MINTRISK model, assessing and ranking the risk of a large number of vector-borne diseases</li> </ul> <i>Presentation</i>	Training Coordinator
<b>TOPIC 10: RISK MITIGATION IN ANIMAL HEALTH</b>		
11.45– 12.15	<b>10.1 Identification of appropriate measures to address the risk</b> <ul style="list-style-type: none"> <li>Mitigated vs. non-mitigated risk assessment</li> <li>Identifying and evaluating the efficacy and feasibility of, and selecting measures to prevent/reduce the risk associated with an importation</li> </ul> <i>Presentation</i>	Tutor
	<b>10.2 The example of Lumpy Skin Disease</b> <ul style="list-style-type: none"> <li>Linking mitigation, analyses, management and communication</li> </ul>	
12.15– 12.30	<b><i>Question and Answers</i></b>	
12.30– 13.30	Lunch break	
<b>TOPIC 11: RISK CHARACTERIZATION IN ANIMAL WELFARE</b>		
13.30– 14.00	<ul style="list-style-type: none"> <li>Occurrence of welfare consequences factor by factor</li> <li>Occurrence of welfare consequences scenario by scenario</li> <li>Use of magnitude of welfare consequences</li> </ul> <i>Presentation</i>	Tutor
<b>TOPIC 12: RISK MITIGATION IN ANIMAL WELFARE</b>		
14.00– 14.30	Identification of appropriate measures to address the welfare consequence <ul style="list-style-type: none"> <li>Mitigated vs. non-mitigated risk assessment</li> <li>Identifying and evaluating the efficacy and feasibility of, and selecting measures to prevent/reduce the welfare consequence</li> </ul>	Tutor



	• <i>Presentation</i>	
14.30– 15.45	<b>Interactive session TOPIC 12 (working group)</b> <i>In this practical exercise, the participants will be challenged with a specific exercise on risk mitigation in animal welfare.</i> <i>Working group exercise, followed by plenary discussion</i>	Tutor
15.45– 16.00	Coffee break	
<b>TOPIC 13: RISK MANAGEMENT AND COMMUNICATION</b>		
16:00 – 16:30	<b>13.1 Development of risk management and communication strategies</b> <ul style="list-style-type: none"> <li>Monitoring and review of management measures adopted and assessment of their effect on the risk</li> <li>In a short introduction, different communication strategies are presented, according to stakeholders involved in specific situations and according to their risk perception, with a special focus on communication strategies to be adopted in case of crisis situations.</li> </ul> <p>This Includes consideration of involvement of interested parties in risk management processes before RA and risk management and communication processes after RA.</p> <i>Presentation</i>	Tutor
16.30– 16.45	Overview and conclusions on the day 4	Training Coordinator
16.45	End of Day 4	
20.00	Dinner	

### ***DAY 5 – Friday***

<i>Time</i>	<i>Topic</i>	<i>Tutor</i>
<b>TOPIC 14: JOINT EXERCISE ON ANIMAL HEALTH AND WELFARE RISK ASSESSMENT</b>		
08.30– 10.00	<b>Interactive session on TOPIC 14 (Role Play on a public hearing – part 1)</b> <i>In the practical exercise, upon conclusion of the full overview of the four basis steps, the participants will be triggered with three different scenarios so as to apply risk assessment measures on both animal health and welfare aspects.</i> <i>Participants will be assigned the role of a stakeholder group: a public hearing, to which they will take part to, will be simulated, so as to challenge them also concerning specific risk communication approaches.</i> It is underlined that different types of communication “styles” need to be used according to the target audience (e.g. scientists vs general public). <i>First part of the exercise will be devoted to preparation for the role play. Consideration of three scenario submitted – related to animal health and animal welfare issues.</i> <i>Working group exercise</i>	
10.00– 10.15	Coffee break	
10.15– 11.15	<b>Interactive session on TOPIC 14 (Role Play on a public hearing – part 2)</b> The public hearing is performed; all groups play their role as assigned. <i>Role play</i>	Role play Plenary session
11.15– 11.30	Dissemination of the contents of the training <i>Presentation</i>	Event Manager

11.30– 11.45	<b><i>Conclusions and Lessons learned on the topics covered. Questions &amp; Answers</i></b>	Training Coordinator
11.45– 12.00	Final Test of knowledge	
12.00– 12.30	<ul style="list-style-type: none"> <li>• On–line evaluation of training</li> <li>• Training certificates</li> </ul>	
12.30	End of the training session	
12.30	Lunch, followed by departure to the airport	

## **Annex 4: Training material, outcomes and dissemination activities**

### Training material

All participants will receive the training material well in advance of the training. The material will include additional pre-recorded material for offline studies. Preparatory videos will introduce the specific topic and provide background information to participants.

All participants will receive a Dissemination Kit electronically to enable them to actively disseminate course knowledge upon their return from BTSF training. Participants attending face-to-face courses will receive the information on the USB key.

### Dissemination Kit

This contains the following training materials:

- All course presentations
- Study notes on field trips and group activities/discussions and conclusions thereof
- The course syllabus
- The training information sheet
- Glossary of terms and abbreviations used in the course
- Additional references for further study
- Written guidance on how to actively disseminate course knowledge to colleagues upon participants' return to their home countries, different methodologies/examples/best practice
- Other information and material delivered at the course such as quizzes, FAQs etc.

### Dissemination questionnaire

Participants will be requested to commit themselves to disseminate the knowledge received via different dissemination methods, i.e. informing colleagues about the information received at the training, distributing (photocopying or sending via electronic way) the training materials among their colleagues. Two to three months after the respective training session, participants will receive a standard questionnaire requesting information on the dissemination activities of the participant after the training, and details on differences in the approach adopted in day-to-day work following the training.

### Test of knowledge

Furthermore, the programme will include an anonymous knowledge test to be carried out at the beginning and at the end of each training session in order to measure the impact of the training on the understanding of the participants of the subjects taught.

Participants are expected to agree to carry out the above tests and to reply to the surveys and questionnaires.

Participants agree to be registered in the BTSF Academy and to participate in a group photo of the participants and tutors at the end of the training.

Please find more information regarding data protection here:

<https://better-training-for-safer-food.ec.europa.eu/training/mod/page/view.php?id=417>.

## Annex 5: Contractor contact details

The project is managed by OPERA Srl, in consortium with NSF Euro Consultants SA.



Project manager:

**Claudio BOMPARD**

Training coordinator for Course 6:

**Jan Arend STEGEMAN**

Separate notifications will be sent to National Contact Points for each course and will contain the names and contact details of the Event Manager and Assistant Event Manager as well as logistical details on the event.

All official communication between National Contact Points and the project will be maintained through the functional e-mail address [20189605riskassessment@btsftraining.com](mailto:20189605riskassessment@btsftraining.com) or by phone to +39 06 80773315 telephone number.

All information on BTSF training can be found at the [BTSF Academy](#) website and at [www.btsftraining.com/btsf-risk-assessment](http://www.btsftraining.com/btsf-risk-assessment). The website will be regularly updated with details of forthcoming courses.

### Data Protection Notice for the BTSF online Trainings

This processing operation concerns the participation in BTSF online training activities which are held within the context of the Better Training for Safer Food Initiative (BTSF) and hosted in the BTSF ACADEMY to provide wider accessibility to training in the areas of food law, feed law, animal health and animal welfare rules, as well as plant health rules by using a state-of-the-art and interactive e-learning system. The BTSF is a Commission DG Health and Food safety (DG SANTE) Initiative managed by the European Health and Digital Executive Agency (HaDEA) and aimed at organising a EU training strategy in the areas mentioned above.

This data protection notice explains the reason for the processing of all personal data provided and how HaDEA collects and handles them and ensures their protection. It also details how that information is used and what rights the data subject may exercise in relation to the data. Your personal data is processed in accordance with Regulation (EU) No 2018/1725. Please find more details on the following link <https://better-training-for-safer-food.ec.europa.eu/training/mod/page/view.php?id=417>.