

CA18105



RIBMINS

**Risk-based meat inspection and
integrated meat safety assurance**

Training school on future meat safety

RIBMINS WG4 Virtual Training school (February 3rd-5th, 2021)

Who, where, when?

Who: Between 40 and 50 selected participants from academia, industry or authorities

Where: Virtual time zone ITC UTC+1

Start date: February 3rd, 2021

End date: February 5th, 2021

Aim

The training school will give an introduction to modernised meat inspection and future safe meat production, quotidian topics, and risk analysis. Participants will experience a mix of presentations, participate in exercises and group discussions.

We want to challenge you, the participants, to bring your competence, perspectives, and curiosity to listen and learn from others' perspectives. Furthermore, we hope to give you a unique opportunity to expand your professional network, even though we admit this has become more difficult due to the pandemic.

Organizers

Silvia Bonardi and Sergio Ghidini (University of Parma)

Ole Alvseike and Lis Alban

Technical support: Animalia AS

Teachers

Lis Alban, Danish Agric. & Food Council/University of Copenhagen, Denmark

Silvia Bonardi, University of Parma, Italy

Sergio Ghidini, University of Parma, Italy

Frank Boelaert, EFSA, Parma, Italy

Maurizo Ferri, FVE UEVH (Union of European Veterinary Hygienists), Italy

Ole Alvseike, Animalia – Norwegian Meat and Poultry Research Centre, Norway

Madalena Vieira Pinto – UTAD, Portugal





Wednesday, Feb. 3rd

- 10:00 - 10:15 h** Welcome WG4-leader **Ole Alvseike**
Online platform
- 10:15 - 10:30 h** Background RIBMINS and WG4 – **Lis Alban**
- 10:30 - 11:00 h** Presentation of students 30 seconds per person, prepare one slide each
Name, country, position and a picture of yourself
3 keywords about your topics of professional interest
- 11:00 - 11:15h** Did you notice? What do you remember from your colleagues' presentations – **Ole Alvseike**
– Kahoot
- 11:15 - 11:30 h** Short coffee and biological break
- 11:30 - 12:15 h** Principles for risk-based surveillance and control - applications for relevance in meat safety, including benefit-cost methodology – **Lis Alban**
including questions and discussion (15 min)
- 12:15 - 13:15 h** Lunch
- 13:15 - 14:00 h** Overview and principles of meat inspection and hygiene legislation – **Sergio Ghidini**
Keywords: MSAS, meat inspection, measurements of disease and risk, hygiene indicators, ALOP
+ questions and discussion (15 min)
- 14:00 - 14:45 h** Risk assessment related to replacement of traditional meat inspection with visual inspection only – **Lis Alban**
including questions and discussion (15 min)
- 14:45 - 15:15 h** Paradigms in meat safety assurance systems – **Ole Alvseike**
- 15:15 - 15:45 h** Legislative needs, options, pro and cons – **Ole Alvseike**
Flexible, Risk-based, Functional demands, Objective targets
Alternative approaches, some strength and weaknesses with EFSA-system, “new” drivers etc.
- 15:45 - 16:00 h** Questions, discussions and perceptions of the day – **Ole Alvseike**



Thursday, Feb. 4th

- 09:00 - 09:45 h** Salmonella in the pork production chain in the EU – **Silvia Bonardi**
including questions and discussion (15 min)
- 09:45 - 10:30 h** Risk management of Campylobacter – **Frank Boelaert, EFSA**
including questions and discussion (15 min)
- 10:30 - 11:00 h** Introduction of case work that will be done on Friday Feb. 5th – **Ole Alvseike**
- 11:00 - 11:15 h** Short coffee and biological break
- 11:15 - 12:00 h** Meat inspection codes – impact on risks, harmonisation, data analysis and feedback – **Sergio Ghidini**
- 12:00 - 12:45 h** Examples of risk-based meat inspection - tuberculosis and cysticercosis cases – **Lis Alban**
including questions and discussion (15 min)
- 12:45 - 13:45 h** Lunch
- 13:45 - 14:30 h** Harmonised epidemiological indicators – **Silvia Bonardi**
Keywords: EFSA-report WG2 + including questions and discussion (15 min)
- 14:30 - 15:00 h** Food chain information systems – International & Italy – **Sergio Ghidini**
Examples from different countries - including questions and discussion (10 min)
- 15:00 - 15:15 h** Short coffee and biological break
- 15:15 - 16:00 h** Future colleagues' profile – **Maurizio Ferri**
Skills, competence and tasks vis à vis the new dossier of competence of public health veterinarians envisaged by the new EU legal framework (e.g. Del Reg 624/2019).
FVE-position, variation in Europe, future concerns including questions and discussion (15 min)



Friday, Feb. 5th

Participants are divided into e.g. 10 groups of 4-6 persons. The groups will have 2.5 hours to work with the cases. We expect a deliverable for the afternoon session: a ppt presentation (max. 10 slides and 10 minutes) in a predesigned format.

08:30 - 09:30h

Introduction to work in groups

Five cases have been prepared that you are invited to elaborate on in groups.

Participants are also encouraged to suggest up to five additional cases. The case should be based on your own work and experience and be suitable for group work. Interesting cases are preferably open for discussion and without simple solutions. Suggested cases must be submitted together with application and cases will be selected by organising committee who will also help to prepare the case for group work.

Participants will be allocated to the different cases in advance, and you will receive literature, data, etc that you are expected to read in advance. You are also encouraged to seek additional information on your own.

Case 1 Management of Erysipelas cases at slaughterhouse –by Sergio Ghidini

Case II: How to collect information in smart ways? - by Ole Alvseike

Case III: Emerging diseases - Approaches when you know nothing – Chronic Wasting Disease as a case - by Ole Alvseike

Case IV: Surveillance and control related to Toxoplasma in pigs - by Lis Alban

Case V: Control of Salmonella in the pork chain - by Silvia Bonardi

Case VI: Reduction of industrial waste in meat production - by Lis Alban

Case VII: One health and MSAS – The example of Campylobacter ssp. in poultry - by Madalena Vieira-Pinto

Case VIII: Risk management of EHEC with an MSAS approach - by Silvia Bonardi

Case IX: Cost-efficient control measures to cysticercosis – Taenia saginata cysticercus - by Madalena Vieira-Pinto

Case X: Cost-efficient control measures to bovine tuberculosis - by Sergio Ghidini

09:30 - 12:00 h

Work in groups including preparing presentation – **all teachers** available

12:00 - 13:00 h

Lunch

13:00 - 16:00 h

Presentations 10 min per group + 2 min questions – and a 20-minute break around 14:20 h

16:00 - 16:15 h

Evaluation – google schemes – **Ole Alvseike**

16:15 - 16:30 h

Farewell – **Lis Alban, Silvia Bonardi, Sergio Ghidini, Ole Alvseike**



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Risk-based meat inspection and integrated meat safety assurance

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Why RIBMINS?

Traditional meat inspection systems may not necessarily detect current public health hazards and increase the risk of cross-contamination through physical examination. There is a need to modernise the meat safety systems through a risk-based approach.

Aim

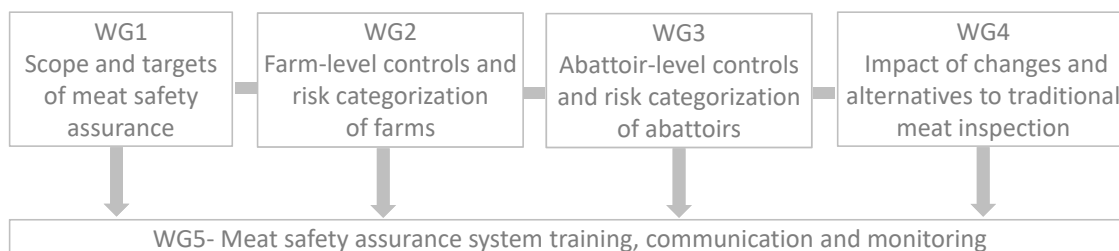
Develop a network to combine and strengthen European-wide research efforts on modern meat safety control systems

Objectives

- ✓ Coordinate research on risk-based meat inspection and meat safety assurance.
- ✓ Establish effective links between scientists, meat industry and policy makers.
- ✓ Exchange European experiences with overseas countries
- ✓ Develop training platform and train participants in the new system.

Framework

Participants are working together in five working groups (WG)



RIBMINS network will help to develop and implement general principles of meat safety assurance system across Europe for the benefit of consumers, industry and protection of animal health and welfare.

Expected impact

Technological

- ✓ Development of innovative meat inspection technologies based on food safety risk

Scientific

- ✓ Filling knowledge-gaps and foster new research networks on risk-based meat inspection.

Socioeconomic

- ✓ Strengthen public-private partnership and assist policy makers to identify targets and measures for reduction of public health and animal hazards.

Constantly expanding!

