

**ADVANCED COURSE “Farm animal welfare: EU regulatory frameworks,
certification and labelling schemes”**

Zaragoza (Spain), 25 - 29 November 2024

Programme

- 0. Welcome to participants, message from organisers. Programme explanation (1 hour)**
- 1. History and evolution of animal welfare: scientific, ethical, economic, cultural, religious and political dimensions (1 hour) T. Villalba**
- 2. Scientific background of animal welfare (6 hours)**
 - 2.1. From the five freedoms to the five domains (0.5 hours) P. Llonch
 - 2.2. Physiological, behavioural and affective states, the drivers of the welfare status (0.5 hours) P. Llonch
 - 2.3. Animal welfare assessment (resource-based, animal-based, automated collection) (1 hour) P. Llonch
 - 2.4. Iceberg and proxy indicators for the welfare of poultry, swine, cattle and small ruminants (2 hours) P. Llonch
 - 2.4.1. At farm
 - 2.4.2. At transport
 - 2.4.3. At slaughter
 - 2.5. Practical work: Measuring reliability of animal welfare indicators (2 hours) A. Dalmau
- 3. Animal welfare legislation (6 hours)**
 - 3.1. Evolution of European legislation on animal welfare. (3.1 to 3.4, 1.5 hours) T. Villalba
 - 3.2. Interaction between European and national legislation. T. Villalba
 - 3.3. Overview of European and national institutions and their roles in animal welfare legislations. Creation of evidence-based legislation. T. Villalba
 - 3.4. Drivers of animal welfare: legislation vs. certification
 - 3.5. Animal welfare legislation and implementation for poultry, swine, cattle, and small ruminants (3.5 hours)
 - 3.5.1. At farm level. S. Riera
 - 3.5.2. At transport. H. González
 - 3.5.3. At slaughter. H. González
 - 3.6. Articulation of animal welfare legislation with other legislations (3.6 and 3.7, 1 hour) P. Bernardos
 - 3.6.1. Articulation of animal welfare and environmental legislation and food safety/animal health regulations
 - 3.6.2. Articulation of animal welfare and organic agriculture regulations and common agricultural policy
 - 3.7. Animal welfare legislation and trade. P. Bernardos
- 4. Quality standards, certification and labelling (14 hours)**
 - 4.1. Definition and interaction of quality standards, certification and labelling (4.1 – 4.4, 1 hour) J. Niemi
 - 4.2. Legislation on quality standards, certification and labelling. J. Niemi
 - 4.3. EU best practice guidelines for voluntary certification schemes for agricultural products and foodstuffs. J. Niemi

- 4.4. ISO Standard ISO/TS 34700:2016. General requirements and guidance for organisations in the food supply chain. J. Niemi
- 4.5. Animal welfare certifications and labels
 - 4.5.1. Animal welfare certification and EU labelling landscape (4.5.1 – 4.5.2, 2 hours) J. Niemi
 - 4.5.2. Certification process and compliance. J. Niemi
 - 4.5.3. Consumer and operators expectation from welfare certification and labels (1 hour) C. Ledoux
 - 4.5.4. Economic impact of adopting welfare certification and labels (1 hour) C. Ledoux
 - 4.5.5. Coexistence with other labels (1 hour) C. Ledoux
- 4.6. Case studies. Examples of Animal Welfare certification and labels (4 hours)
 - 4.6.1. Poultry
 - 4.6.2. Cattle
 - 4.6.3. Swine
 - 4.6.4. Ovine
- 4.7. Practical work. Role game: creation of a certification scheme (4 hours) J. Niemi, C. Ledoux

5. Present and future of animal welfare (2 hours) Moderator: G. Liste

Round table to discuss the current situation and future prospects of animal welfare.