

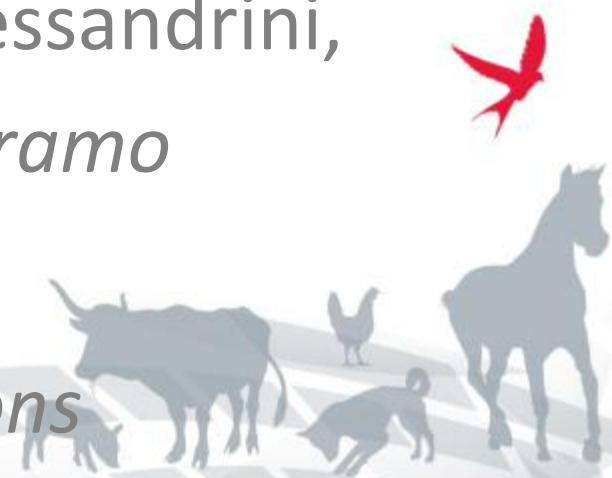


***MODULES FOR E-LEARNING TRAINING COURSES  
UNDER THE PROGRAMME  
“BETTER TRAINING FOR SAFER FOOD”  
(EAHC/2010/BTSF/04)***

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*Istituto G. Caporale - Teramo*

Guido Cernuto

*eXact learning solutions*





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# WHAT DOES eLEARNING MEAN?

- Computers have long been used in education and today their use is having an ever greater impact on society, thanks to the increasing educational success of **Internet** and easier access to it.
- This broad field (which may include any kind of learning process), is usually referred to as:  
**eLearning**





# GENERAL SCENARIO

- eLearning is commonly recognised as a powerful and valuable extension of traditional educational initiatives



- Learning Management Systems (LMS) are key tools in supporting new educational models





# PROJECT SCENARIO:

## *“Challenges and strategies for the Better Training for Safer Food programme”*

- European Commission expected outcomes from eLearning programmes in BTSF:
  - satisfy the high level of training demand expressed by the Veterinary System at international level (Member States, Candidate and Third countries);
  - enlarge the number of participants per single event;
  - decrease training costs, because of the repeatability principles of eLearning;
  - disseminate flexibility in training, with clear advantages for experts and beneficiaries;
  - focus workshops on practical activities, increasing the level of improved technical skills.



# PROJECT CONSORTIUM





# PROJECT CONSORTIUM

The **5 Organisations**, in synergy, combine:

- **scientific expertise** in technical issues, based on a wide European network of scientists and technical experts, most of them already engaged in BTSF programmes;
- **certified methodology in training project management**, with specialist expertise on the development of educational models exploiting the new information and communication technologies. Quality and high level of applied standards is certified ISO9001:2008;
- international leadership in the **production of eLearning and ePublishing tools**, as well as **3D virtual environments**.



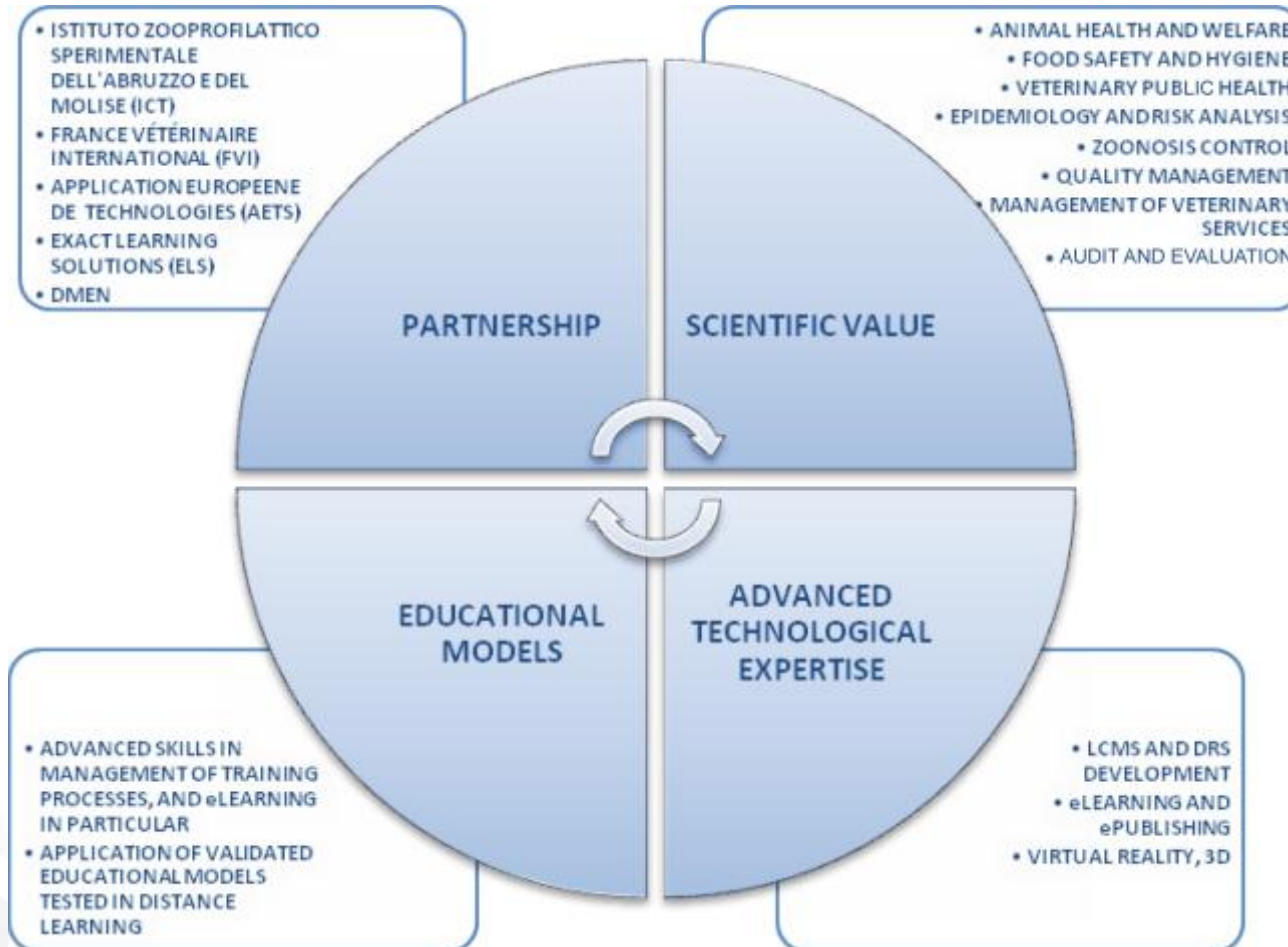




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# PROJECT PILLARS





# GENERAL INFORMATION

- **Dates:** September 16, 2011 – June 15, 2015
- **Project duration:** 45 months, divided in 2 development cycles (the first one to be concluded in English by June 2012 and in French and German by October 2012)
- **First Cycle:** “Animal Welfare at slaughter and killing for disease control” and “Food Contact Materials rules”.
- **Second cycle:** Start in March 2012 – End in English by December 2012 and in French and German by March 2013
- **Outcomes of the second cycle:**
  - Prevention, Eradication and Control of Transmissible Spongiform Encephalopathies (TSE)
  - Principles of Hazard Analysis and Critical Control Point audits (HACCP)
  - Rapid Alert System for Food and Feed (RASFF).

All modules will be disseminated in 3 languages:

**(English, French, and German)**.

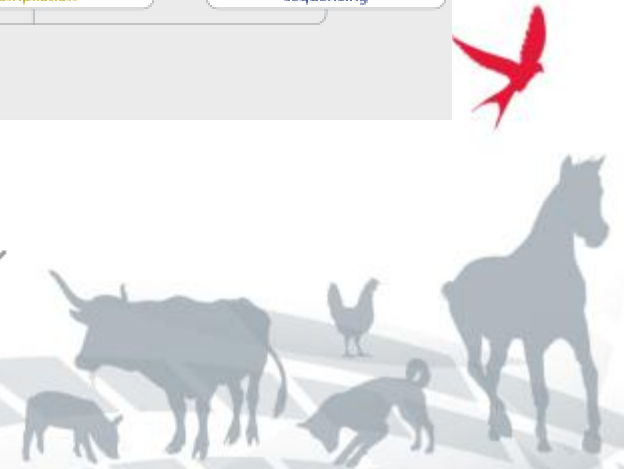
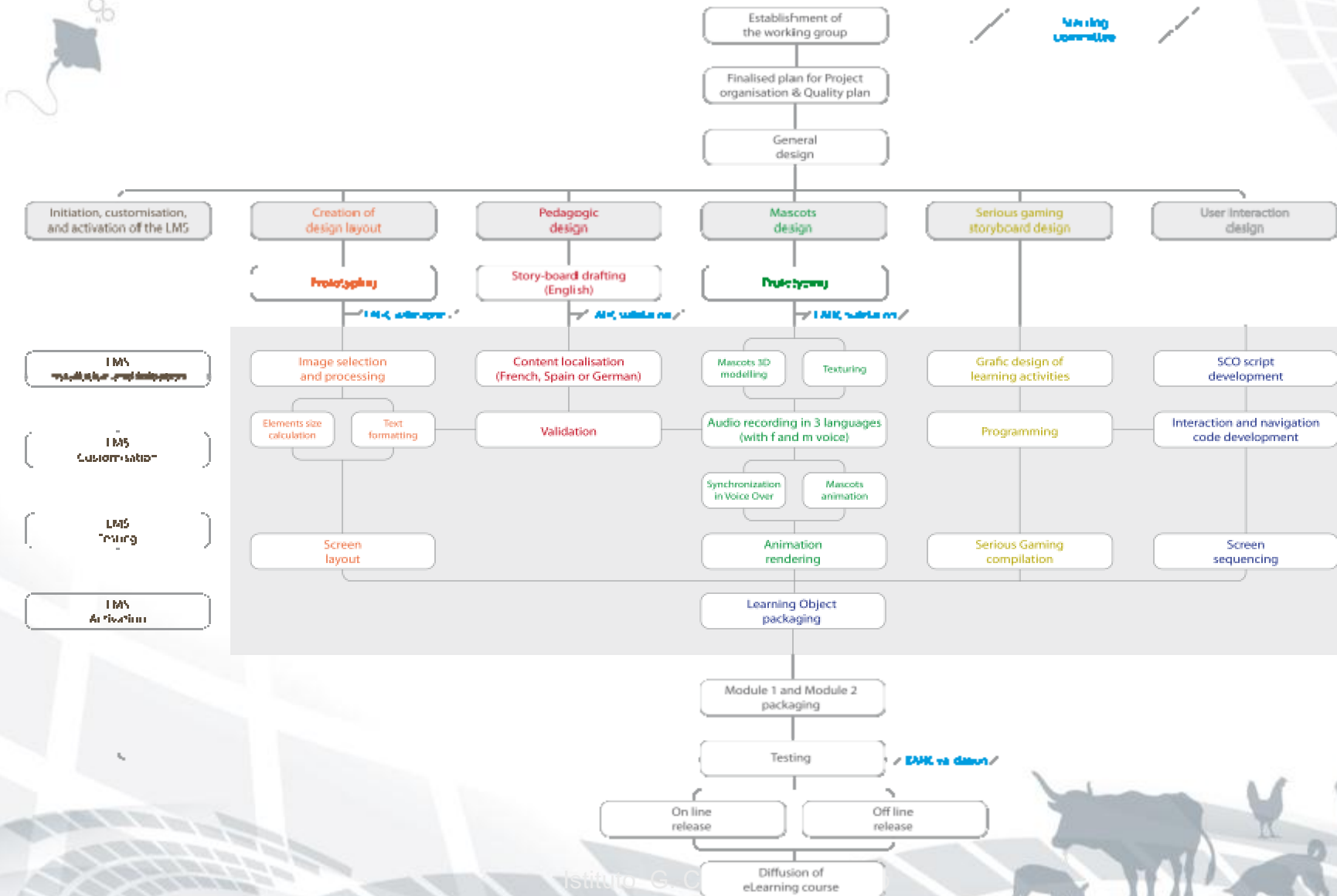






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# DEVELOPMENT CYCLE FRAMEWORK



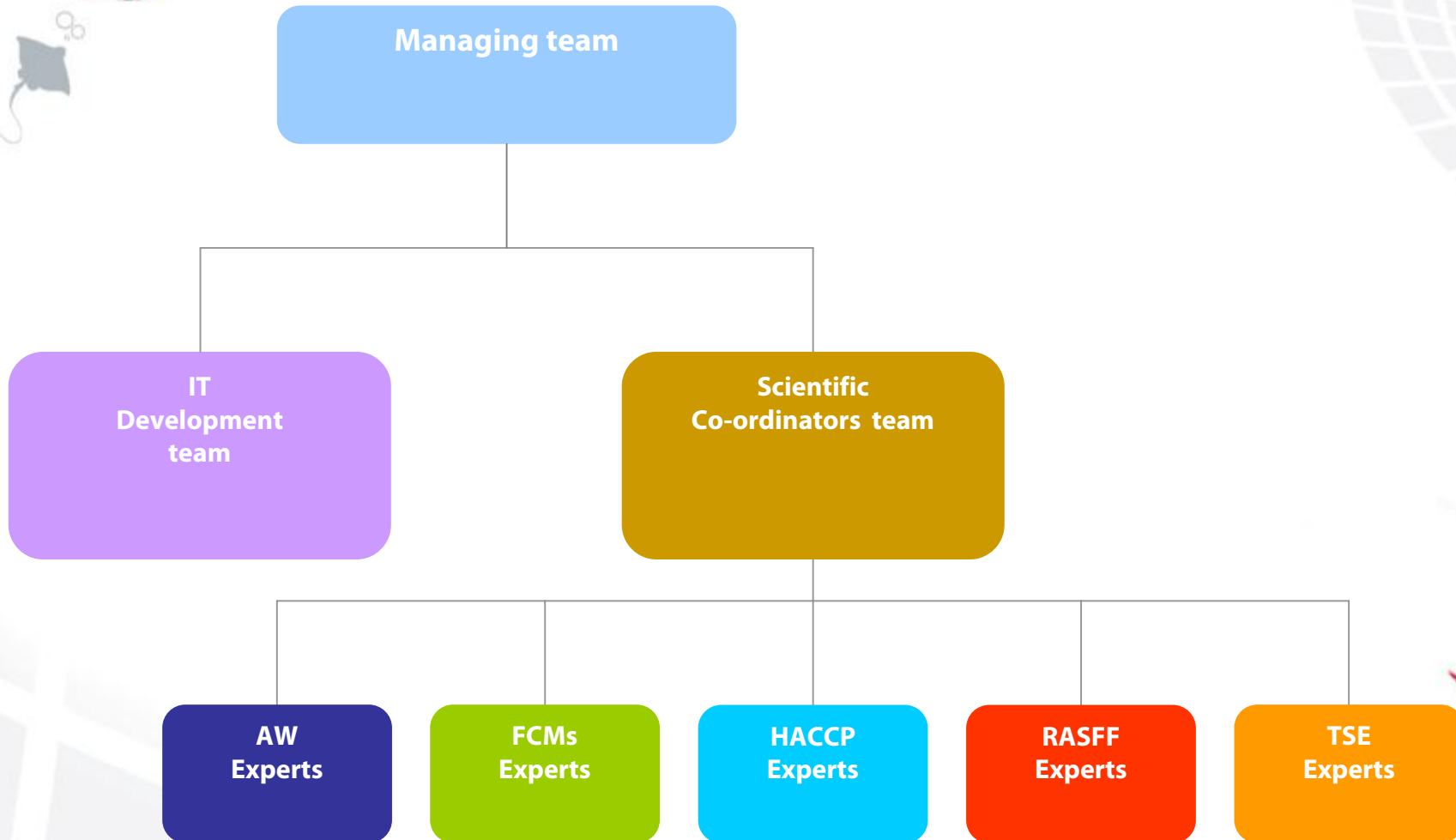


# PROJECT OUTCOMES

- Multilingual Learning Management System (LMS) for the duration of the contract with the 5 eLearning modules integrated and running. The LMS is:
  - accessible by all BTSF's target audience,
  - able to manage more than 25 simultaneously e-learning courses (more than 60 participants on average per eLearning course and more than 250 participants for the each of the 5 eLearning courses on peak);
- test environment of a multilingual Learning Management System (LMS) for the duration of the contract where the 5 eLearning modules will be tested, integrated and running;
- 15.000 CD-ROMs of the 5 eLearning modules: 3.000 for each module (1.500 in English, 1.000 in French and 500 in German).



# PROJECT ORGANISATION





# MANAGEMENT TEAM

## Role

Project leader

Project manager

Tutors' team  
coordinator

Translation supervisor  
(French)

Distance Learning  
manager

?

## Expert

Silvia D'Albenzio

Barbara Alessandirni

Pietro D'Elia

Marie Odile Kunz

Lejla Valerii

## Organisation

ICT

ICT

AETS

FVI

ICT





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# SCIENTIFIC CO-ORDINATORS TEAM

## Role

## Expert

Co-ordinator of AW

Paolo Dalla Villa

Co-ordinator of TSE

Giuseppe Ru

Co-ordinator of HACCP

Giacomo Migliorati

Co-ordinator of RASFF

Sebastien Rahoux

Co-ordinator of FCM

Luigi Rossi





# SCIENTIFIC TEAM

## *1° Development cycle*

### AW module

Antoni Dalmau Bueno  
Elisabeth Descamps  
Bert Lambooj  
Luc Mounier  
Mohan Raj  
Antonio Velarde Calvo  
Harm Kiezebrink  
Haluk Anil

### Food Contact Material module

Frédéric Lagniez  
Michel Larroque  
Maria Rosaria Milana  
Zoe Mousia







# SCIENTIFIC TEAM

## *2° Development cycle*

### TSE Module

Pierluigi Acutis  
Genevieve Benard  
Paolo Calistri  
Cristina Casalone  
Armando Giovannini  
Jocelyn Merot  
Beatriz Parra  
Gian Mario Cosseddu

### HACCP module

Jose Ignacio  
Altolaquirre  
Bernacer  
Else Marie Andersen  
Guillaume Baud  
Richard Bonne  
Frederic Mens  
Sylvie Mialet

### RASFF module

George Geogallas  
Nathalie Pihier  
George Savva





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# IT DEVELOPMENT TEAM

## Role

Content producer

Graphic Multimedia

Graphic Multimedia

Support and  
maintenance of

eLearning  
systems

Developer and  
integrator of

eLearning systems

3D animation expert

3D animation expert

?

## Expert

Marco Mosca

Simona Paparella

Alessandro De Luca

Gianluca Rolandelli

Matteo Scaramuccia

Luca Di Sabatino

Francesco Di Meo

## Organisation

ELS

ELS

ICT

ELS

ELS

DMEN

DMEN



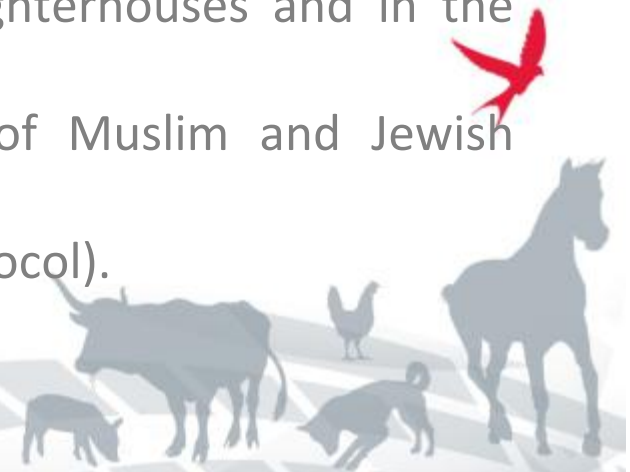


# LEARNING OBJECTIVES

## Animal Welfare at slaughter and killing for disease control

The course will allow participants to improve their knowledge and practical skills on:

- relevant EU legislation and International legal framework (e.g. OIE and international standards);
- scientific basis for proper handling, stunning and killing of animals (basic animal behaviour and basic anatomy);
- animal keeping and assessment of keeping facilities;
- main stunning and killing techniques at slaughterhouses and in the context of killing for disease control purposes;
- religious slaughter practices: the approach of Muslim and Jewish Communities in implementing EU requirements;
- animal welfare indicators (Welfare Quality Protocol).



# LEARNING OBJECTIVES

## Food Contact Materials rules

The course will allow participants to improve their knowledge and practical skills on:

- EU legislation on Food Contact Materials with special focus on the changes adopted in the last few years;
- setting up of national control plans for Food Contact Materials;
- check-list used by inspectors;
- information on the different materials used in Food Contact Materials;
- how to inspect/check declaration of compliances and supporting documentation to the declaration of compliance.



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# LEARNING OBJECTIVES

## Prevention, Eradication and Control of Transmissible Spongiform Encephalopathies (TSE) - 1

The course will allow participants to improve their knowledge and practical skills on:

- EU provisions for prevention, eradication and control of Transmissible Spongiform Encephalopathies (TSEs);
- provisions and legal frame for placing products on the market and import rules;
- EU reporting system of the TSEs surveillance and monitoring programmes;
- EU measures related to the feed ban i.e. sampling, targeting and testing/examination;



# LEARNING OBJECTIVES

## Prevention, Eradication and Control of Transmissible Spongiform Encephalopathies (TSE) - 2

- role of the Competent Authorities of the Member States and the role of EU Reference Laboratory for the detection of animal proteins in feed;
- EU measures related to the official control for removing specified risk materials, in particular when slaughtering small ruminants;
- EU measures related to the monitoring of the TSEs and surveillance programmes for TSEs, i.e. sampling and post mortem examination, presenting the role of the Competent Authorities of the Member States and the role of the EU Reference Laboratory for TSEs.





# LEARNING OBJECTIVES

## Principles of Hazard Analysis and Critical Control Point audits

The course will allow participants to improve their knowledge and practical skills on:

- control procedures based on HACCP principles in accordance with EU legislation and/or relevant international standards;
- background and principles of HACCP;
- implementation of HACCP plans, and successful approach to HACCP audits;
- development of HACCP plans and document management;
- audit performance, to verify implementation of HACCP systems and compliance with food and feed hygiene requirements.



# LEARNING OBJECTIVES



## Rapid Alert System for Food and Feed (RASFF)

The course will allow participants to improve their knowledge and practical skills on:

- EU Rapid Alert System for Food and Feed (recent developments and aspects of Food Law, food hygiene, food control rules and other relevant legislation);
- requirements for setting up a RASFF inside a country, including required level of food and feed controls;
- organisational structure of competent authorities;
- legal basis and communication needs;
- requirements for setting up a regional network of countries exchanging rapid alerts about Food and Feed, including the possibility for exchange of information, required legal basis for the system, transparency and confidentiality requirements and notification follow-up.



# LEARNING TIMES

- Flexible length of learning modules (4-6 hours)

+

- in depth contents and tests

=

- Each module is made of 150/220 interactive screens





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## MACRO-STRUCTURE

- Pre-test
- Welcome into the course
- Course introduction by screens of text and image
- Unit 1
  - Introduction
  - Core content by interactive screens
  - Intermediate tests or serious gaming
  - Recap by text and image screens
- Unit 2
  - ...
- Unit ...
  - ...
- Outro
- Post-test

# COURSE TREE

## ADDITIONAL MATERIALS

- Credits
- In depth contents
- Bibliography
- Links
- Glossary

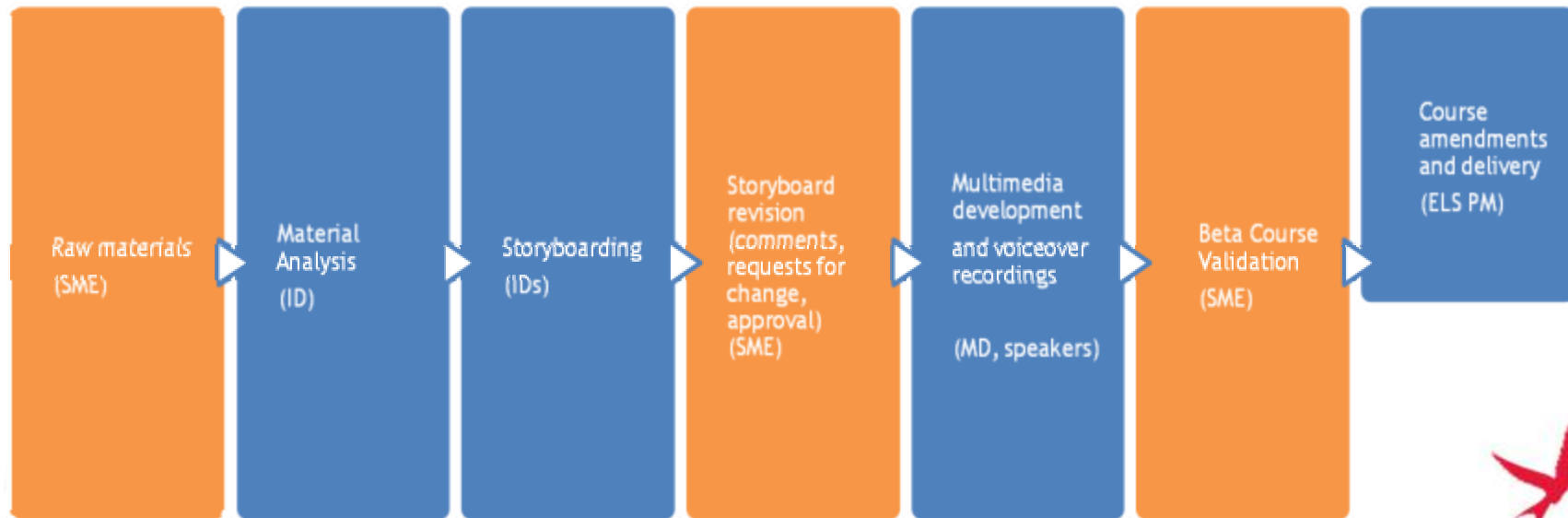




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# TEST AND VALIDATION





# TEST AND VALIDATION

- The Storyboard is the first deliverable submitted by SMEs to the instructional designers for revision and internal approval.
- DG SANCO receives the storyboard for the final validation.
- The Storyboard is the basis for the production of the various media. It contains a detailed description of every screen: texts, audio and narration text, visual interactions, animations.
- Multimedia Developers (Web / Flash / software developers) create the various assets (flash objects, images, audio, video) according to the style guidelines defined in the Visual Design.
- The Packaging phase produces the assembled Learning Object (a SCORM package).





# TEST AND VALIDATION

After the internal QA, the Learning Object is sent again to DG SANCO for the final approval.



STORYBOARD

Media  
production



MULTIMEDIA  
ASSETS

Packaging



ASSEMBLED  
LEARNING OBJECT

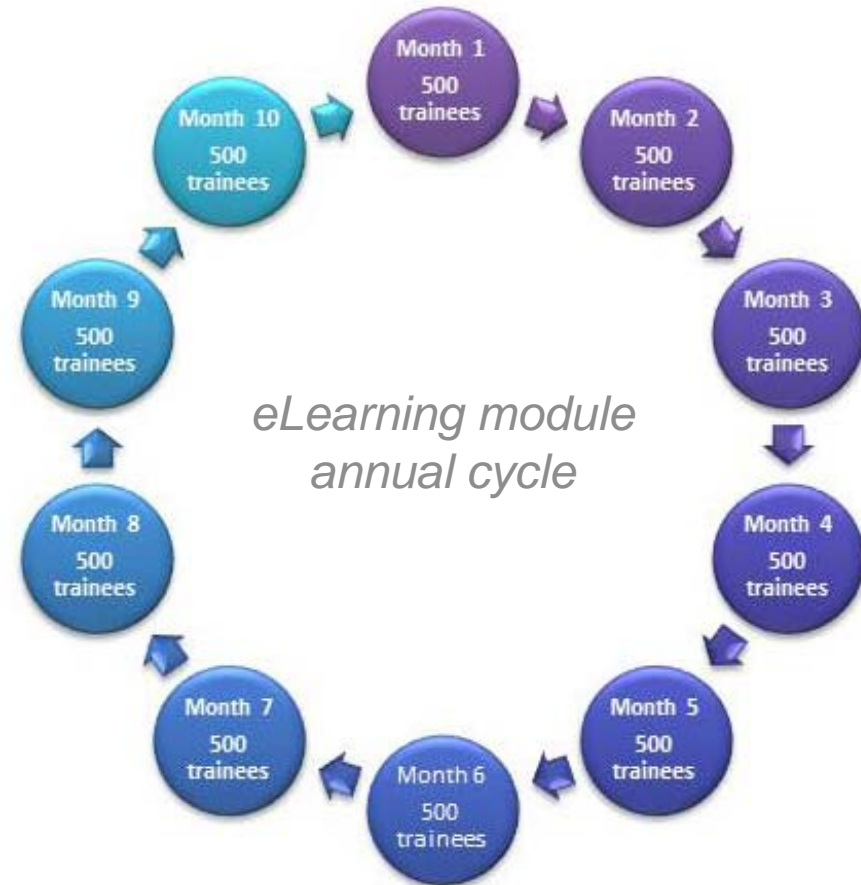


# DISSEMINATION STRATEGY

Based on the following parameters:

- 10 eLearning sessions per module in 1 year
- 1 month for studying each module
- 500 students per session per module

TOTAL OF STUDENTS:  
**25.000**





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THANK YOU!

