



# TRAINING WORKSHOP PROGRAM

**SEPTEMBER 9-11 2013**

**Sofia Princess Hotel  
Europe Hall  
131, “Kn. Maria Luisa” Blvd.  
1202 Sofia**

**Meeting room: Europe Hall**

**BULGARIA**



[www.ASFORCE.ORG](http://www.ASFORCE.ORG)  
Project “Targeted research effort on African Swine Fever”  
Funded by EU FP7, Grant agreement 311 932



# Learning Objectives

## Whole workshop:

By the end of the workshop, invited veterinarians are expected to:

- a) Be able to recognize a possible ASF case;
- b) Understand transmission routes and pathogenesis of ASF;
- c) Be familiar with ASF spread risk factors;
- d) Be aware of the global epidemiological current situation, with particular focus on the European one, and on the recent outbreaks in Eastern Europe;
- e) Have a general understanding of how the laboratory diagnosis is performed and to be able to interpret laboratory results;
- f) Have a clear idea of the risk of failing to control an ASF outbreak and its economic impact.

## PROGRAM

### Day 1 (Monday, 09 September)

**17:00 - 18:00: Individual arrival, registration and check-in at the hotel**

**18:15 – 19:00: Opening session**  
**Quiz of learning outcomes**

**19:00 – 20:00: Historical aspects of ASF.**  
**The ASFORCE project: What is it? And why is it important?**

Speaker: Prof. Carlos Martins (FMV-UTL, Portugal)

Learning objectives:

- To learn the historical background of the origin and progress of ASF globally
- To get introduced to the ASFORCE project and related research program

**20:00: ASFORCE workshop dinner**

## Day 2 (Tuesday, 10 September)

### 9:00 –10:00: ASF aetiology, pathogenesis, pig protective immune mechanisms and vaccine development

Speaker; Prof. Carlos Martins ( FMV-UTL, Portugal)

Learning objectives:

- To know general mechanisms underlying ASFV infection in the domestic pig
- To know the main characteristics of the protection mechanisms against ASFV infection
- To understand the major drawbacks in vaccine production against ASF and to get acquainted to new approaches developed under the ASFORCE project

### 10:00 – 10:30: Coffee – break

### 10:30 – 11:30: How does ASF look like?

Speaker: Dr. Marco Sensi (IZSUM, Italy)

Learning objectives:

- To know general consequences on the infection of domestic pigs by different virulence ASFV isolates
- To recognize different clinical signs and lesions that may be shown during an ASF case/outbreak and compare with other pig diseases

### 11:30 – 12:30: Round table discussion (Q&A) with morning speakers.

### 12:30 – 14:00: Lunch

### 14:00-17:00: ASF Epidemiology

- **Epidemiology of ASF and economic impact in different scenarios**  
(Dr. Lina Mur, UCM, Spain)
- **The role of wild boar on ASF epidemiology**  
(Dr. Tsviatko Alexandrov, BFSA, Bulgaria)
- **The ASF situation in Sardinia**  
(Dr. Marco Sensi, IZS-UM, Italy)

Learning objectives:

- To be able to recognize the main sources, the transmission and spreading mechanisms of the disease in different epidemiological scenarios;
- To identify the risk factors for the introduction and dissemination of the disease;
- To be aware of the economic impact of ASF in different scenarios;
- To become aware of the international ASF epidemiological situation;
- To know and understand the ecology of the wild boar and its potential role for ASF transmission;
- To understand the ASF connections between wild and domestic suids
- To learn about the specific situation on the wild boar – domestic pig interactions in Bulgaria
- To be aware of the main epidemiological characteristics of ASF in Sardinia

### 17:00– 17:30: Coffee break

**17:30 -19:00: Video on ASF in Africa and round table discussion (all speakers)**

Moderators: Prof. Carlos Martins, (FMV-UTL, Portugal) and Dr. Pencho Kamenov (BFSA, Bulgaria)

**20:00: ASFORCE workshop dinner**

**Day 3 (Wednesday, 11 September 2013)**

**8:30-9:30: If I see a suspected case, which samples do I take? And what happens to the samples when they get into the lab?**

Speaker: Dr. Emilia Kirilova

(National reference laboratory, Classical and African Swine Fever, Bulgaria)

Learning objectives:

- To know which samples to collect, how to manage them, and to where they should be sent
- To learn the basics of the laboratorial diagnostic techniques

**9:30- 10:30: ASF Bio security: personal, farm and laboratory levels. Control. General rules.** Speaker: Dr Pencho Kamenov (BFSA);

**The experience in Sardinia.**

Speaker: Dr. Marco Sensi (IZSUM, Italy)

Learning objectives:

- To know the ASF bio security critical points, at different levels

**10:30 – 11:00: Coffee break**

**11:00- 12:00: An ASF outbreak: what has to be done**

- **International rules on the prevention, control and eradication of ASF**

Speaker: Dr. Lina Mur, UCM, Spain

- **The Bulgarian official mechanisms to face ASF**

Speaker: Dr. Marin Marinov, BFSA, Bulgaria

Learning objectives:

- To be aware of the international rules for prevention, control and eradication of ASF
- To be aware of the National and International consequences on the occurrence of ASF at country level
- To be aware to which authorities report should be done to, when in the presence of a potential case
- To learn what different key players are expected to do when faced with an ASF case
- To know the main measures to be implemented when the occurrence of suspected/ confirmed case of ASF
- To be able to implement the recommended control/prevention strategies to avoid virus spread

**12:00 - 12:30: Round table final discussion**

**12:30 - 13:00: Quiz of learning outcomes**

**13:00 - 13:30: Diplomas distribution**

**13:30 - 14:00: Conclusion session with the Director of Animal health and welfare directorate within BFSA**

**14:00 – 15:00: Final brunch**

## SPEAKERS



**Dr. Marco Sensi** received his DVM degree in 1981 from the University of Perugia (Italy), and also holds, from the same university, a post-graduate diploma in Animal Health and Hygiene of Animal Breeding and Production Certificate (2004). He started his career serving the Italian Army (1982-1983), as Military Veterinary Officer. From 1984-1991, he worked as Veterinary manager and genetic controller (PIC Italia). From 1991-1999 he worked for the Petrini Feed Company, as Veterinary manager pig specialist, and from 1999-2000, he worked also as Veterinary manager, but for HBI Italia. Since 2001, he keeps his professional activity as Veterinary Manager, at the Istituto Zooprofilattico Sperimentale dell' Umbria e delle Marche (IZSUM). Dr. Sensi is involved in several national and international research projects. He is the author and/or co-author of more than 110 publications. He attended as senior expert in cooperation programs funded by the EU commission regarding the surveillance, prevention and control activities of infectious diseases, the management of epidemic emergency and contingency plans and training of professional and technical personnel (Contract CRIS No. 226-870 for "Technical Assistance for the Control and Eradication of Classical Swine Fever (CSF) and Rabies in Serbia" and Contract No. EuropeAid/128207/C/SER/ME "Support for the control and eradication of rabies and Classical Swine Fever in Montenegro"). **E-mail:** [m.sensi@izsum.it](mailto:m.sensi@izsum.it)



**Dr. Lina Mur Gil** holds a DVM degree (2004-2009) and a Masters degree in "Research of Veterinary Sciences" (2009-2010) from the Universidad Complutense de Madrid (UCM). Since 2009 she works at the OIE Reference Laboratory for African swine fever-UCM doing her master's dissertation and doctoral thesis on new developments for preventing and controlling ASF. Her current research is focused on epidemiological analysis, analyzing the risk of ASF introduction in the EU, as well as in new developments of ASF diagnosis, not only validating and evaluating diagnosis techniques, but also studying their application and utility on the field. She participated as researcher in the European project ASFRISK, is now an active member of the ASFORCE consortium and published/presented several scientific articles about ASF on international recognized journals (<http://www.sanidadanimal.info/sanidadanimal/en/publications.html>) and international congresses. She also teaches at UCM and has been lecturer in several courses about ASF in different parts of the world. **E-mail:** [linamur@vet.ucm.es](mailto:linamur@vet.ucm.es)



**Dr. Tsviatko Alexandrov** was born in 1980. He is a veterinarian employed by the Bulgarian food safety agency working on epidemiology, wild life, surveillance programmes and contingency planning, communicable diseases, zoonoses, outbreak management, risk assessment and veterinary legislation. **E-mail:** [t\\_alexandrov@bfsa.bg](mailto:t_alexandrov@bfsa.bg)



**Dr. Pencho Kamenov** was born in 1955 in Kardzhaly. He is the Director of Animal Health Directorate within the Bulgarian Food Safety Agency. He has a University degree in veterinary or equivalent with a post graduate qualification in veterinary epidemiology. Good knowledge on I&R and associated animal health databases, Good knowledge of GIS and its application in animal epidemiology, Good knowledge of biostatistics in animal health. **E-mail:** [p\\_kam@bfsa.bg](mailto:p_kam@bfsa.bg)



**Dr. Emilia Kirilova** was born in 1966. She is the head of the "Exotic and dangerous diseases" laboratory within the National Diagnostic Veterinary Research Institute in Sofia. She is directly involved with Classical and African swine fever diagnosis. **E-mail:** [e.r.ivanova@abv.bg](mailto:e.r.ivanova@abv.bg)



**Dr. Marin Marinov** was born in 1956. He is a veterinarian at the Bulgarian Food Safety Agency responsible for animal health, epidemiology, contingency planning, communicable diseases, zoonoses, outbreak management and risk assessment.

**E-mail:** [m\\_marinov@bfsa.bg](mailto:m_marinov@bfsa.bg)



**Prof. Carlos Martins** was born in Mozambique in 1948. Of Portuguese citizenship, he is Full Professor of Infectious Diseases at the Faculdade de Medicina Veterinária, Universidade Técnica de Lisboa. Besides his teaching activities (started in Mozambique in 1973 and pursued to date at the Faculdade de Medicina Veterinária) he has dedicated his scientific career to research on ASF, namely on the characterization of different aspects about viral-host interactions. He has previously participated and/or coordinated national and EU supported research projects on ASF and has established strong links with the international scientific community dealing with different aspects of this relevant and threatening disease of swine.

**He is the coordinator of the ASFORCE project. E-mail:** [cmartins@fmv.utl.pt](mailto:cmartins@fmv.utl.pt)

### Questions?



**Dr. Jorge Pinto Ferreira**  
**SAFOSO**

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### CONSORTIUM

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Centre de Cooperation International en Recherche Agronomique pour le Developpement (CIRAD, France)  
Istituto Zooprofilattico Sperimentale dell' Umbria e delle Marche (IZS-UM, Italy)  
Friedrich-Loeffler-Institut – Bundesforschungsinstitut für Tiergesundheit (FLI, Germany)  
The Royal Veterinary College (RVC, United Kingdom)  
The Pirbright Institute (PIR, United Kingdom)  
Agence Nationale de Securite Sanitaire de l' Alimentation, de l' Environnement et du Travail (ANSES, France)  
State Research Institution National Research Institute for Veterinary Virology and Microbiology of Russia (VNIVViM, Russian Federation)  
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