



# Better Training for Safer Food *Initiative*

**Dr Paulius Bušauskas**

## ***AFRICAN SWINE FEVER***

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# BTSEF

**Belgrade, Serbia 6-8/11/2018**



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# Hunting wild boar under biosecurity

# Risk of spread after introduction of the ASF virus in to wild boar population

- Delayed diagnosis;
- Wild boar population size and density;
- Forest connectivity;
- Inappropriate hunting methodologies;
- Infected wild boar carcasses available for healthy wild boars;
- Poaching

**Lack of biosecurity measures applied during hunting**

# BIOSECURITY

## Definition:

### General

Biosecurity can be understood as a series of disease mitigation strategies, processes and knowledge to prevent disease incursion and the spread of infectious pathogens in a range of domains where disease occurs amongst humans, animals and plants or more broadly within an environment (Koblentz 2010).

### Livestock Farming

Biosecurity refers to those measures taken to keep diseases out of populations, herds, or groups of animals where it does not currently exist or to limit the spread of disease within the herd... (EC Health and consumer protection directorate general 2007).



## Biosecurity during hunting?

When ASF is confirmed in the wild boar population, infected countries have to develop an eradication plan, which has to address the measures to be applied in the infected area including a set **of appropriate biosecurity procedures** to be applied when hunting.

It's recommended, that **countries at risk** develop and implement **basic hunting biosecurity measures before arrival of ASF**, since proper planning and implementation of hunting biosecurity measures requires time and resources and might be difficult to arrange in an emergency situation...

# Biosecurity during hunting? WHY?

- When dealing with ASF in wild boar the main task is to **REDUCE the virus load in the environment (!)**
- It means to reduce as much as possible the presence of the virus and thus reducing the probabilities of further spread in both wild boar and in domestic pigs.

## How to achieved that?

Biosecurity requirements should be foreseen on legislation!!!

**Do we have it?**

**YES**



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# African Swine Fever Strategy for the EU



**EUROPEAN COMMISSION**  
DIRECTORATE-GENERAL FOR HEALTH AND FOOD SAFETY

**Directorate G - Crisis management in food, animals and plants**  
**Unit G3 – Official controls and eradication of diseases in animals**

Brussels  
SANCO G3/FB (19.04.2018)

**SANTE/7113/2015 - Rev 9**

**WORKING DOCUMENT**

**African Swine Fever Strategy for the EU**

# African Swine Fever Strategy for the EU

- **Minimum biosecurity requirements for the hunters should be foreseen by the competent authority;**
- **At least these aspects should be included;**
  - **dedicated authorised dressing facility should be available in each hunting ground;**
  - **For each hunting ground a facility/premise should be equipped with refrigerator (or procedures reaching equivalent results in terms of keeping the carcass until laboratory results are available;**
  - **hunted wild boar should remain in the premises of the hunting ground until tested.**

# African Swine Fever Strategy for the EU

- **Offal from hunted wild boar should not be removed from the animal in the field;**
- **Shot wild boar should be brought to dedicated authorised dressing facilities limiting loss of body fluids (including blood);**
- **After dressing the wild boar, the place and equipment used (including transport vehicles) should be washed and disinfected with authorized disinfectants;**
- **Animal by products should be collected and processed in accordance with Regulation (EC) No 1069/2009.**

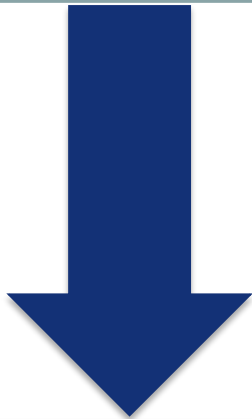
# African Swine Fever Strategy for the EU

**Biosecurity  
measures shall be  
applied when  
searching for and  
handling wild boar  
carcasses to avoid  
possible  
contamination of  
vehicles, yards and  
houses.**

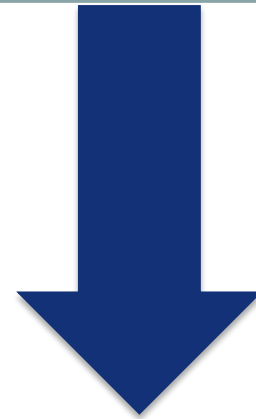


## How to achieved that?

Each hunter in the area at risk or in the infected area must be well trained on



**Basic  
biosecurity  
requirements**



**Hunting  
hygiene**



# HUNTERS SHOULD BE CARRY OUT WITH

**Disinfection  
material**

**Special equipment  
for disinfection**

**Knowledge**



# Transport of hunted animals

- Private cars should be left outside the hunting ground;
- Special cars should be designated;
- Each hunted wild boar has to be treated as ASF positive in the infected country.





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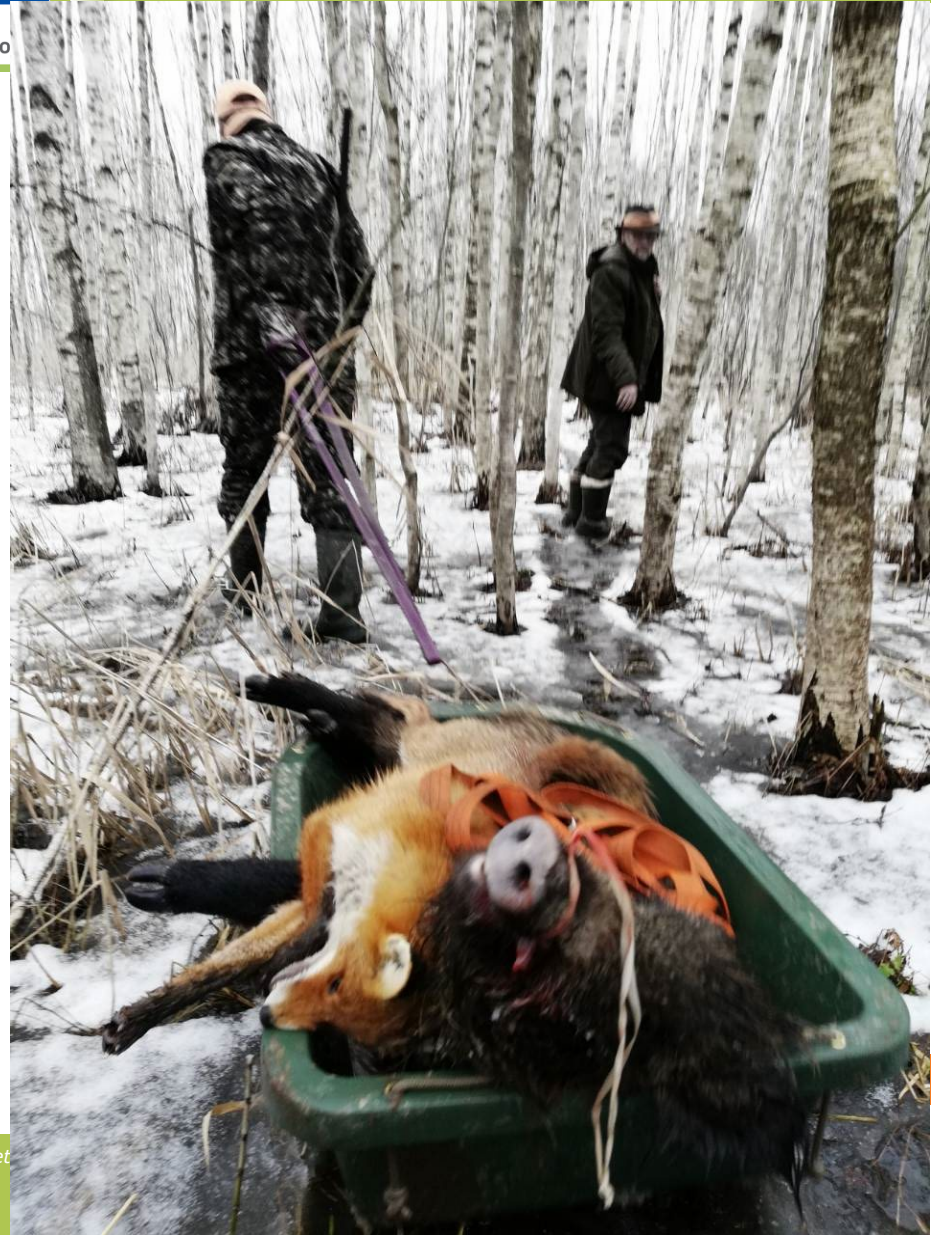








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and safety









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Food safety

## CHALLENGES???

- Difficult to ask and thus to achieve...**
- Cars could be highly involved in spreading indirectly the ASF virus..**



## DRESSING AREA

- To be used in order to minimize the risk of ASF viral contamination of the environment;
- Open air or closed facilities;
- Designated exclusively for animal dressing;
- Authorized by Competent Authority, recognized by hunters and ensure the basic biosecurity...
- Equipment used for dressing should not be used in any other places or moved to the animal keeping places;
- Authorized disinfectants should be used.

## **DRESSING AREA**

**Could be a source of infection  
and a high risk area for the  
ASF virus (lot of blood)**



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# Open air or closed facilities





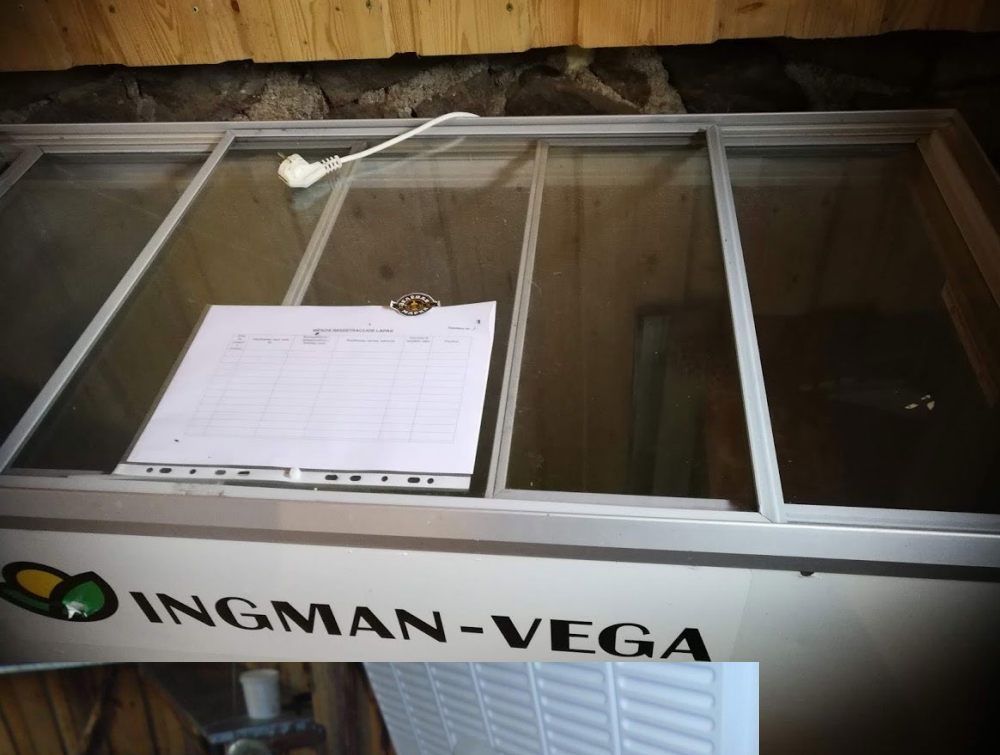
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## GENERAL RULE

**Hunted wild boar should never leave the hunting area unless tested for ASF and the carcasses released only when resulted negative to ASF.**







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# BIOSAFETY

**Hunters should process hunted wild boars in special designated places and all ABPs should not be moved outside but kept in special tightly closed animal waste pits or containers.**







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## GENERAL RULE

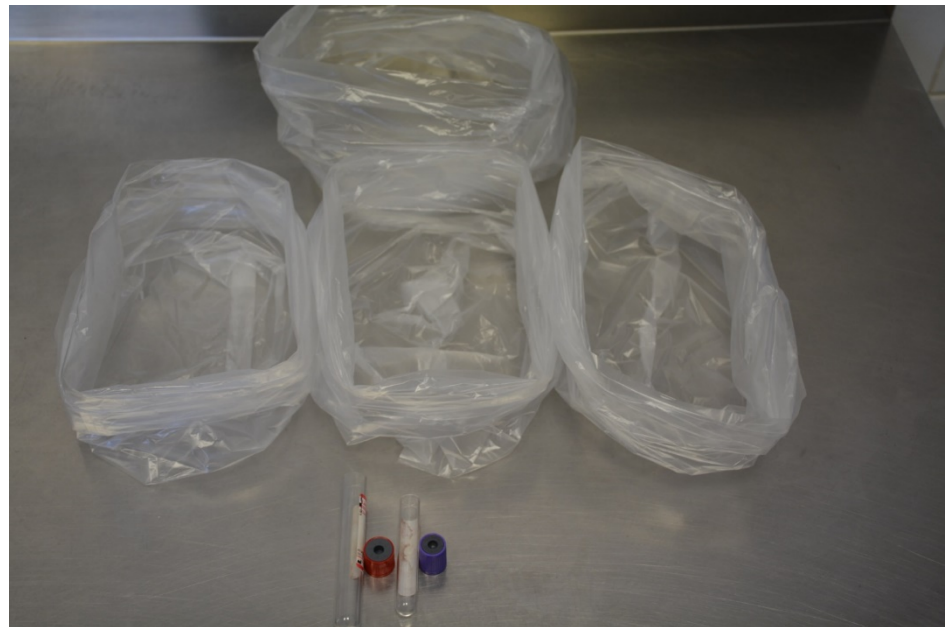
**Ground pits for offal disposal should be at least 3 meter deep, fenced and closed with a locked closure. Pits should be located in close proximity to the dressing room.**





# SAMPLING UNDER BIOSECURITY IS CRUSIAL

All samples (Blood, Spleen, Tonsils, Kidney, Lymph nodes should be packed in special material trying to avoid liquids spreading out.





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VIEVIO MEDŽIOTOJU BŪRELIS

Sumedžiotos šerno patelės  
apatinis žandikaulis ir išoriniai lyties  
organai

Nr. 1 Nr. 26MTA-101



MĖGINIO PAĖMIMO NUSTATYTI  
2017-02-26 Nr. 64MTA-251  
Trakų rait.

**I. Informacija apie mėginį ir jo priėmimą tyrimui**

Dozavimas apie mėginio savininką: *Jaunatikly medžioklės klubas "Elnias"* Gyvūno: *šernas*

Tel. 8 687 88123 Taisdas Jonaitis (vardas, pavardė, adresas, telefonas, fakso numeris) *Privačiai*

Cyveno skėrimo / sumedžiavimo vieta: *3 mėn.*

Karkliškės, Eivėlio sen. Eivėrių giria (išvardinti pavadinimai, vietovės koordinatės ir adresas (miestas, kaimas, seniūnija, savivaldybė))

54 723387, 24 839745 (HGS) svoris: *30 kg*

Rašmenų mėginys:  kraujo mėginys  liežuvis  terpiokauliškis  kitų audinių  kiti tyrimai

Mėginys siunčiamas tyrimui:  Nacionaliniame maisto ir veterinarijos rizikos vertinimo institute (Italija) - NMRVLI  teritoriniame skyriui  NMRVLI

Mėginį paėmė: *[Signature]* 8 687 88123 Taisdas Jonaitis (vardas, pavardė, telefono Nr.)

Mėginį tyrimui parėmė: *[Signature]* 8 687 88123 Taisdas Jonaitis (vardas, pavardė, telefono Nr.)

Aktą perėmė:  asmeninai  paštu  elektroninėmis priemonėmis (nurodyti)\*

Dozavimas apie mėginio priėmimą tyrimui: priėmimo data: *m. d.* (vardas, pavardė) mėginį priėmė: (Pareigos) (parada)

Mėginio tyrimo data: Mėginys bitytas:  trichinoskopiniu metodu  trichinelių lervų nerasta  trichinelių lervų kiekis: ..... (vnt.), (g) Registracijos numeris:  kiti metodai  kitų kompres.)

Mėginys siunčiamas į NMRVLI:  patvirtinimo tyrimai  trichinelių rūšių nustatymai

Mėginį bitytė: (Pareigos) (parada) (vardas, pavardė, telefono Nr.)

Mėginio priėmimo data, laikas:  laikamas  netinkamas (priežastis):

Mėginio kiekis (g) priėmimo metu: Mėginio registracijos Nr.: (vardas, pavardė)

Mėginį priėmė: (Pareigos) (parada)  trichinelių lervų nerasta  rasti trichinelių lervų kiekis: ..... (vnt.), (g) Tyrimo rezultatai:  rasti trichinelių lervų rūšis (ys)

Mėginį bitytė: (Pareigos) (parada) (vardas, pavardė, telefono Nr.)

Tyrimo atlikimo data: m. d.

Pastaba. Pildomi 2 akto egzemplioriai: pirmas – mėginį paėmusiam asmeniui, antras – laboratorijai, trečiasis – patalpa, faksu, per kontaktinį centrą, integracijai maisto ir veterinarijos informacinėje sistemoje (IMVIS) ir kt.

Trakų VMVT *Trakų rait.*

**TRAKŲ VALSTYBINĖ MAISTO IR VETERINARIJOS TARYBA**  
(sąjūdžio valstybinė tarnyba)

**MĖGINŲ PAĖMIMO GYVŪNŲ LIGOMS TIRTI AKTAS**  
2018-02-26 Nr. 64MTA-251  
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I. Dozavimas apie mėginį (-us) savininką: Vardas, pavardė / įmonės pavadinimas, adresas: *Jaunatikly medžioklės klubas "Elnias"* II. Dozavimas apie mėginį (-us) patarimą asmeni: Vardas, pavardė, pareigos, adresas: *Veterinarijos gydytojas Jan Žarskij*

Juridinio asmens kodas: *8 687 88123 Taisdas Jonaitis* Juridinio asmens kodas: *18 526 55 741*

Telefono Nr.: *8 687 88123 Taisdas Jonaitis* Telefono Nr.: *8 526 55 741*

Alko Nr.: *17*

III. Dozavimas: Gyvūno bendras, pulso kodas ar Nr.: *17* (vnt.) (vnt.) Mėginio (-ų) pavadinimas: *VIEVIO MEDŽIOTOJU BŪRELIS*

gautas  širdis  plimė  kepenys  šlapimo pūslė  kiaušiniai  inkstai  žandikaulis  paratirogoidai  J. medulatinė  histologiniai ...  kitas

Mėginio (-ų) konservavimo / plimtinė pakavė: *plastikinė pakavė*

Alkoholis:  be  su  par. au  vėdinio  paratirogoidai  J. medulatinė  histologiniai ...  kitas

Gydytojų vakcinavimai, jų datos ir žymės: *[Signature]* (Pareigos, vardas, pavardė ir pavardė)

Anamnezė ir klinikiniai požymiai: *[Signature]* (Pareigos, vardas, pavardė ir pavardė)

Patologiniai pakitimai:  Nėra gydytas  Gydytas (nurodyti veterinarijos vaistus, dozes, gydymo būdus)

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# **POSITIVE RESULTS FROM THE LAB? What to do?**

In case of positive results all stored carcasses have to be disposed under veterinary supervision and the whole dressing area cleaned and disinfected.









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## BIOSECURITY DURING FOUND DEAD WILD BOAR



# Handbook on African swine fever in wild boar and biosecurity during hunting

This handbook was prepared following recommendations of Standing Group of Experts on African swine fever in the Baltic and Eastern Europe region (hereafter referred as 'SGE ASF ') was set up under the GF-TADs umbrella **to build up a closer cooperation among countries affected by African swine fever (ASF)** and thereby, address the disease in a more collaborative and harmonised manner across the Baltic and Eastern Europe sub-region.



Standing Group of Experts on African swine fever in Europe  
under the GF-TADs umbrella



Handbook on African Swine Fever in wild boar  
and biosecurity during hunting



# Handbook on African swine fever in wild boar and biosecurity during hunting

[http://web.oie.int/RR-Europe/eng/eng/Regprog/docs/docs/GF-TADs%20Handbook\\_ASF\\_WILDBOAR%20version%202018-09-25.pdf](http://web.oie.int/RR-Europe/eng/eng/Regprog/docs/docs/GF-TADs%20Handbook_ASF_WILDBOAR%20version%202018-09-25.pdf)

## HOME MESSAGE

- **Biosecurity is the simple rule how to avoid the disease;**
- **It is recommended that the countries at risk develop and implement basic hunting biosecurity measures before the arrival of ASF;**
- **Without the human factor the ASF spread is very slowly**

# Thank you

## Questions, suggestions?





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