

Scientific Reports and Opinions on EFSA's websit



http://www.efsa.europa.eu/en/topics/topic/african-swine-fever



ASF-related activities in 2019



- Request for Scientific Report of EFSA December 2019
- Descriptive epidemiology
- Risk factors for occurrence in wild boar and domestic pigs
- Wild boar measures and strategies
 - Hunting (methods, density and threshold)
 - Fencing
 - Surveillance



ASF related activities in 2019



- Request for Scientific Opinion AHAW Panel June 2019
 - 1. Assess the risk of spread of ASF in the South Eastern Countries of Europe
 - 2. Review the evaluation of the ability of matrices to present a risk to transmit ASF.
- Request for Scientific Report of EFSA June 2019
 - 1. Review the main ASF research gaps, with the aim of facilitate evidence-informed decision making on prevention and spread, in particular from an epidemiological and risk management perspective.

Risk Assessment for ASF spread in SE-EUROPE



- Animal distribution
 - Wild boar populations (ENETWILD)
 - Domestic pig populations
- Animal husbandry (EUROSTAT?)
- Trade (pigs, pork, other matrices..)
- People movement (hunting tourism, tourism,...)
- Preparedness of national authorities

Risk Assessment for ASF spread -Preparedness



- Risk originating from the organisation and the level of preparedness of the National Authorities
- Scope of the questionnaire is to measure this risk by evaluating the preparedness of the authorities in different domains
- For each domain, a set of questions is going to be applied in order to better estimate the level of preparedness

Preparedness: domains to be assessed



- Awareness and Training
- Resources of Veterinary Services
- Laboratory Capacity
- Notification System
- Registration System for domestic pigs and products
- Wild Boars and Hunting Management
- Preventive Measures
- Contingency Plan
- Control Measures
- Depopulation
- Legal Framework
- International Cooperation and Initiatives

An example: Control Measures



- Measures in case of suspicion in a holding:
 - measures for the holding
 - temporary control zone
- Measures in case of confirmation in a holding:
 - measures for the affected holding
 - measures for holdings in contact
 - zooning
- Suspicion or confirmation in feral pigs:
 - defining the infected area
 - measures within the infected area

Risk of matrices to transmit ASF.



- Context
 - Update needed of previous qualitative assessment from 2014
 - include retrospective analysis of ASF spread mechanisms.
 - ranked on the basis of their level of risk with a view to enhance preparedness and prevention.
 - propose and assess a strategy to manage the risks

Review the evaluation of the ability of matrices to present a risk to transmit ASF.



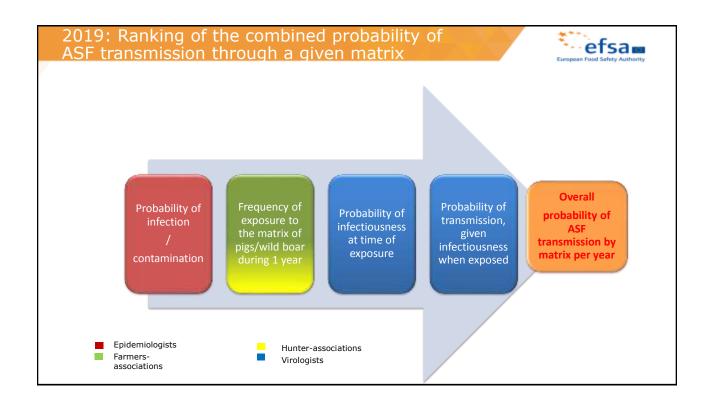
Rank	Matrix	
Very high	Frozen meat	
High	 Chilled meat Wild boar (transported) Domestic pigs (transported) Skin fat Vehicles for animal transport contaminated inside 	
Moderate	 Naturally smoked meat Salted, fermented, dried (+/spiced) meat (e.g. pepperoni, salami,) Salted, dried meat (e.g., salted and dried hams, shoulders, loins) Any vehicles contaminated outside People involved with pig-keeping Slurry Animal feed Litter Fomites 	EFSA, 2014 ranking of the ability to contain infectious ASFV
Low	People not involved with pig- keepingTicks	
Very low	 Vegetables Crops Pests (rodents) Pets Hay and straw Bloodsucking insects 	
Negligible	Meat cooked for 70 °C for 30 min	

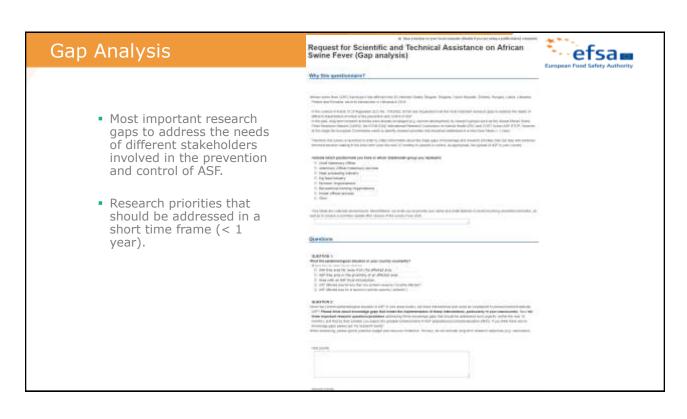
Data collection



- CATEGORIES OF MATRICES :
 - Unprocessed matrices from pig origin
 e.g. fresh meat, fresh blood, faecal material, urine, semen and embryos
 - Animal by products from pig origin used as feed materials in pig feed
 e.g. greaves, blood products, hydrolysed proteins, gelatine, collagen
 - Processed matrices used as feed additives
 e.g. Vitamin D, Lysine, Choline
 - Processed matrices derived from pig/wild boar origin used as food
 e.g. cooked cured meat, precooked products, raw cured meat, raw
 fermented meat or kitchen waste containing any of these listed
 - Contaminated matrices

e.g. contaminated feed, water, aerosol, vehicles, bedding (e.g. straw, wood chips), cereals (e.g. barley, maize), forages (e.g. fresh grass, hay, silage,..)







ASF WORKING GROUP



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