

#### Session 6: Stamping out strategies

- Carrying out stamping-out procedure
- Safe on- and off-site disposal of carcasses considering environmental and public health aspects
- Decontamination of the premises, personnel, vehicles, environment

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Lumpy skin disease prevention, control, and awareness workshop

Budapest, Hungary, 7-9 March 2017

#### **Current policies to control LSD** C В Vaccination a total stamping-**Partial stamping out** movement **out** policy of the Vaccination restrictions? affected holdings movement (stamping out the restrictions whole herd after detection of an infected case) vaccination using live homologous vaccines movement restrictions Lumpy skin disease prevention, control, and awareness workshop Budapest, Hungary, 7-9 March 2017





## Stamping out

- Killing of animals
- Valuation of animals
- Safe disposal of carcasses
- Cleaning and disinfection



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#### Before start...

- Communicate with all stakeholders
- Make all clear
- Make sure that farmers, personnel, others? are away...





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### All the time try to keep highest level of biosecurity!



# Definition in "New Animal Health Law":

"Biosecurity" means the sum of management and physical measures designed to reduce the risk of the introduction, development and spread of disease to, from and within:

(a) an animal population, or (b) an establishment, zone, compartment, means of transport or any other facilities, premises and location.

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## Appropriate methods for culling cattle

- penetrative captive bold with pithing,
- premedication and injection with barbiturates or other drugs
- free bullet









Protection of animals during culling to be considered!

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#### Valuation of animals

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- Done by a Commission
- Market price for the day taken for valuation

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 Non-identified animals are not subject to valuation and compensation

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## Disposal

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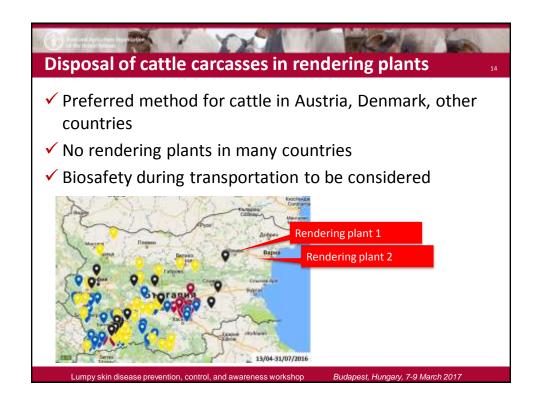
- Directive 92/119, Art. 5, paragraph 1 (a), (b), (c):
- (a) all animals of susceptible species on the holding shall be killed on the spot, without delay. The animals which have died or been killed shall either be burnt or buried on the spot, if possible, or destroyed in a carcass disposal plant. These operations shall be carried out in such a way as to minimize the risk of disseminating the agent of the disease;
- (b) any substance or waste, such as animal feed, litter, manure or slurry, which is liable to be contaminated, shall be destroyed or treated appropriately. This treatment, carried out in accordance with the instructions of the official veterinarian, must ensure that any agent or vector of the agent of the disease is destroyed;
- (c) after carrying out operations listed in subparagraphs (a) and (b), the buildings used for housing animals of susceptible species, their surroundings, the vehicles used for transport and all equipment liable to be contaminated shall be cleaned and disinfected in accordance with **Article 16**;

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- Regulation (EC) 1069/2009
- Commission Regulation (EU) 142/2011, Art. 4

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## **Mobile incinerators**

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### Disposal of carcasses by burial & burning

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Reg. 1069/2009 (50) Burial and burning of animal by-products, in particular of dead animals may be justified in specific situations, in particular in remote areas, or in disease control situations requiring the emergency disposal of the animals killed as a measure to control an outbreak of a serious transmissible disease. In particular, disposal on site should be allowed under special circumstances, since the available rendering or incinerator capacity within a region or a Member State could otherwise be a limiting factor in the control of a disease.

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# On site burial and burning of carcasses

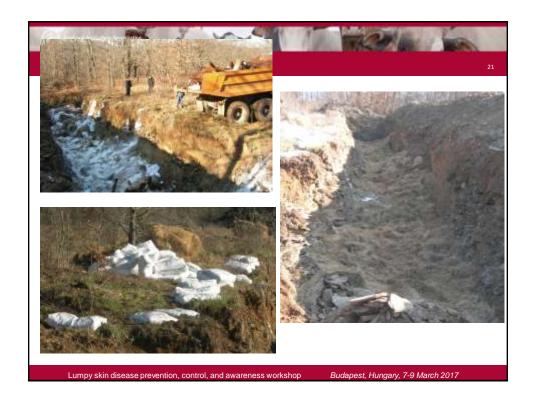
- Permission
- Remote site for burial/burning to be defined by environmental commission as close as possible to the affected farm
- Team for valuation of animals
- Team for loading and transportation of the cattle to the site for disposal
- Team for disposal
- Teams for cleaning and disinfection (at place of loading, at site for disposal)
- Transport technique, equipment, approved disinfectant
- Good weather......

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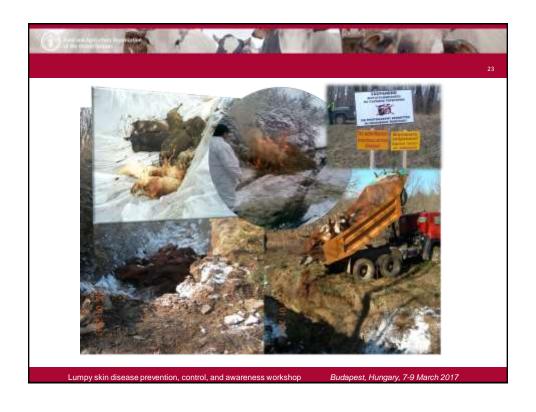
















# Cleaning and disinfection of personnel, premises

- LSDV is very stable and survives well in extremely cold and dry environments.
- The virus survives within the pH range 6.3-8.3.
- Infected animals shed scabs from skin lesions to the environment.
   Inside of these scabs the virus may remain infectious for several months.
- Thorough cleaning and disinfection with appropriate disinfectants should be performed all over the affected farm, trucks, personnel, premises and potentially contaminated environment.
- FAO provides practical recommendations for decontamination of premises, equipment and environment in the Animal Health Manual on Procedures for Disease Eradication by Stamping out (FAO 2001).

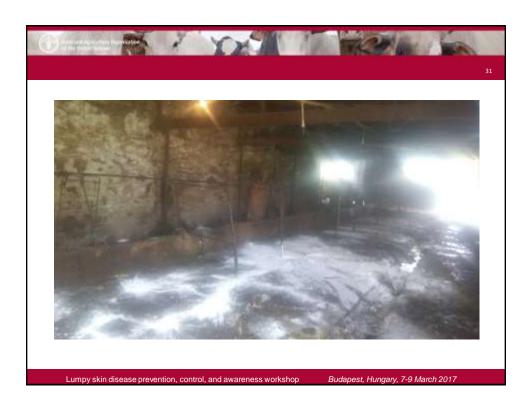
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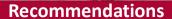












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 If applied, stamping-out should always be combined with a sound compensation programme. The long-term effect of stamping-out on farmers' livelihoods, public perception and media involvement needs to be considered while decision making;

YOU

- Severely affected animals should always be removed from the herd.
- Thorough cleaning and disinfection with appropriate disinfectants should be performed all over the affected farm, trucks, personnel, premises and potentially contaminated environment;
- Although LSDV is sensitive to most disinfectants and detergents, in order to effectively disinfect animal facilities and holdings, mechanical removal of surface material such as dirt, manure, hay and straw is required before disinfection.

FAO 2001 Manual on procedures for disease eradication by stamping out. In: FAO Anim. Heal. Man. http://www.fao.org/docrep/004/Y0660E/Y0660E04.htm. Accessed 4 Jan 2017

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