



## Identifying high risk factors for LSD

Session 1: Contingency planning, risk management and communication

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## All the way from Africa.....

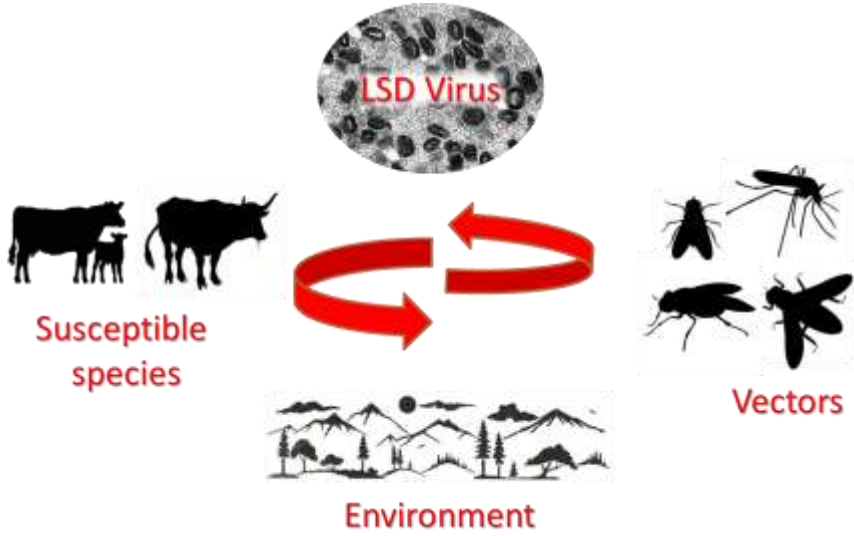
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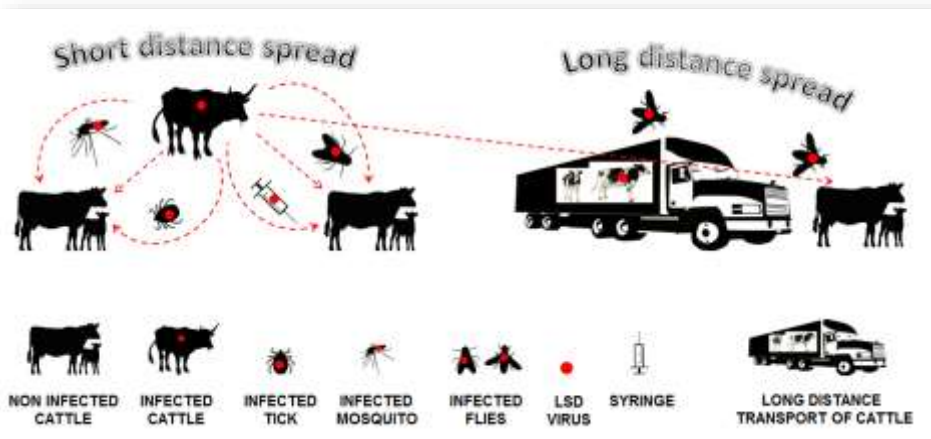
ASF vs LSD



# What is needed for LSD?



# LSD spread



## Susceptible species

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Affected



No evidence that LSDV affects European wildlife.

## Vectors

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The most important vector is likely to vary between geographical regions and ecosystems. The vector capacity of the common stable fly (*Stomoxys calcitrans*), mosquitoes, and some African tick species has been demonstrated.

In Bulgaria LSD virus found in:

✓ Flies:

*Tabanus spodopterus* (1)- females

✓ Ticks:

*Hyalomma marginatum* (2)- females

*Rhipicephalus bursa* (3)- males + females





## LSD affected herd, Bulgaria Jun 2016



## Environment



Intensity of LSD outbreaks along Maritsa river, Bulgaria

- ✓ Rivers and road dependent?
- ✓ The human factor:
  - low biosecurity;
  - legal illegal animal transport
  - transhumance seasonal animal movements
- ✓ Vectors
- ✓ No previous vaccination



Intensity of LSD outbreaks along Mesta river, Bulgaria

## Does farming practices matter?

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### Intensive/in-house farming

→ biosecurity measures in the farms, controls of in-out movements, cattle spending most of the year inside.

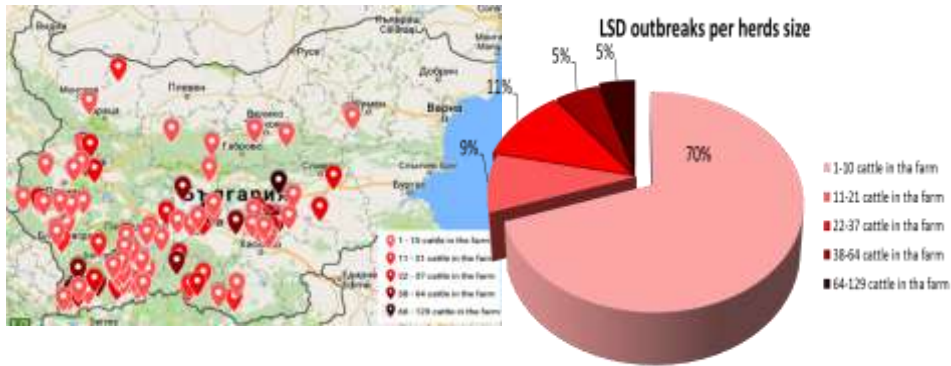


VS

### Extensive farming

→ low biosecurity standards, animal contacts at pastures, seasonal grazing





Small herds (up to 10 animals ) with **low biosecurity** mainly affected

## High risk periods

First	Second
The period between the introduction of an infection into a Country and the first detection of the infection	The period between the first animal has been detected as infected and the establishment of measures to prevent virus spreading
The length of the 1 <sup>st</sup> HRP depends on the efficacy and efficiency of the surveillance scheme in place	
<b>Surveillance strategy</b>	<b>Outbreak management</b>

## When to expect LSD?

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- LSD is in the neighborhood
- No vaccination
- Season of vector activity
- Susceptible animals are on pasture
- Trade patterns
- Movement of animals from affected/risk areas
- No/low vaccination coverage in neighboring country
- Low biosecurity

What is that cannot stay hidden.....

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Questions/Suggestions/Remarks