

# Republic of Macedonia Food and Veterinary Agency

Dimitar Terzievski, DVM Oliver Ivanovski, DVM

Regional workshop on lumpy skin disease prevention, control, and awareness



### **Cattle Population**

Type of farming	Dairy	Beef	Total
Cattle population	228 812	/	228 812
Small holdings	/	/	/
Farms	26226	1	26226

• Cattle density map if available

• Seasonal cattle migration: No

• Nomadic farming practices: No

• Domestic buffalo: Yes-55 animals

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Year	Type of animal	No. of holdings from 0-5 animals	No. of holdings from 6-10 animals	No. of holdings from 11-20 animals	No. of holdings from 21-50 animals		No. of holdings from 101- 200 animals	No. of holdings from 201- 500 animals	Holdings with more than 500 animals	Holdings Total	Animals total
2013	Bovine	19665	5287	2718	1470	334	52	8	5	29539	213121
2014	Bovine	19263	5080	2618	1550	348	62	9	5	28935	213578
2015	Bovine	19043	5169	2737	1677	413	84	10	4	29137	226583

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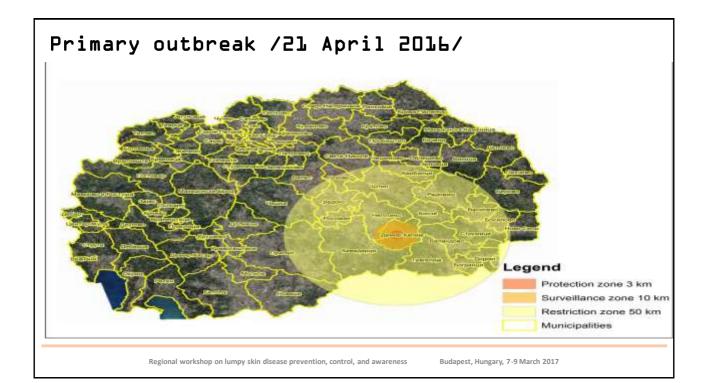
#### LSD situation

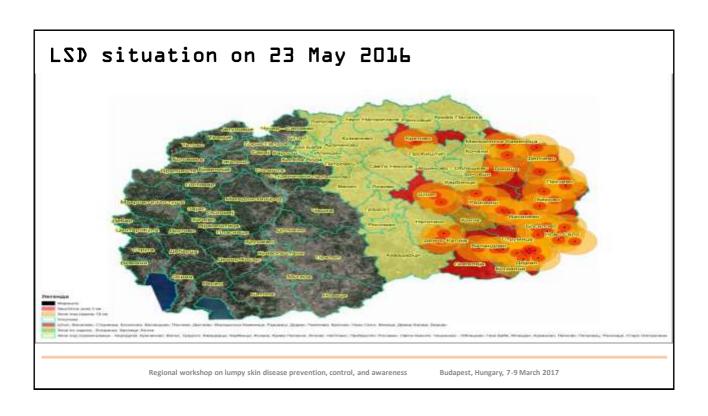
Affected holdings	Positive animals	Dead animals	Culled and safely disposed animals
1591	3357	360	3454

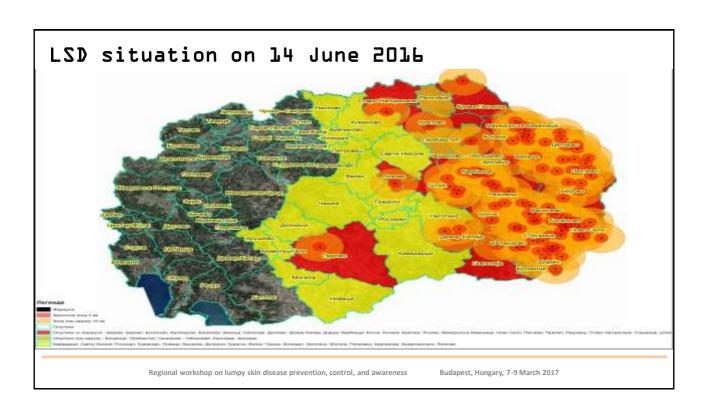
Culling and safe disposal of the animals in affected holdings is until 04.11.2016

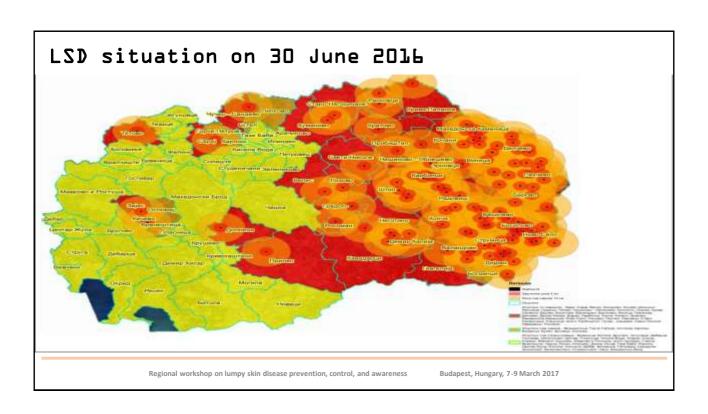
Culling and safe disposal od the animals with clinical signs from 04.11.2016

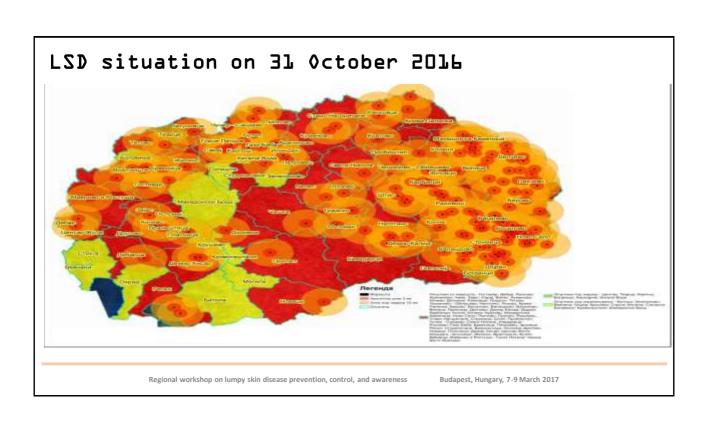
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## LSD Diagnostic capacity

Assay	Available	Not available	Testing possible at any time (24/7)	Max capacity of sample testing/day
PCR Gel based	Yes	1	Yes	50
PCR Real-time	Yes	/	Yes	50
Virus isolation	Yes	1	Yes	50-70
Serology	N/A	/	/	/
Other	1	1	/	1

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	Start (Date)		Finish (Date		(who	cination strategy ole country, ring c., buffer zone)	Vaccination coverage in vaccinated areas (%)
LSD Outbreaks	21.04.2016						
Vaccination campaign (2016)	24.05.2016		31.07.2016		Whole country		96,73 %
Vaccination campaign (2017)	March 2017		Whole country 1.new-borns 2.Vaccination will begin from eastern part of the country				
Product name			Preser stock	nt	Adverse reaction	s detected	
Lumpy skin disease vaccine for cattle	ОРВ	50000		0			
Lumpyvax	MSD	250000		67500			
Other vaccine (name)							

• Started tender for vaccine for vaccination campaigns in 2017? Yes

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#### Vaccination - phase 1

- 24.05.2016 beginning of the initial vaccination with the LSD vaccine of the animals in the restricted zones
  - 50 000 vaccines were donated from EU live attenuated virus vaccine against LSD (Neethling strain), 'Lumpy Skin Disease Vaccine For Cattle', Onderstepoort Biological Products, South Africa.
  - Vaccination in accordance with the vaccination plan containing all provisions as laid down in Decision 2015/2055
  - Educational meeting with private veterinary practices

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#### Vaccination - phase 2

- 27.06.2016 beginning of the second phase of the vaccination of the animals against LSD in the rest of the country
  - 250.000 vaccines has been purchased, Alternatively: live attenuated virus vaccine against LSD (SIS type), Lumpyvax, MSD Animal Health, Intervet, South Africa
  - Vaccination in accordance with the vaccination plan containing all provisions as laid down in the Decision 2015/2055
  - Vaccination campaign was completed on 31.07.2016

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#### LSD vaccination report

Vaccination has been shown to be very effective tool for control and prevention of disease

No. of vaccinated animals	No. of vaccinated herds	% of vaccinated animals
212 153	24.053	96.73%

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### Outbreak response

Measure	Applied	Not applied					
Contingency plan available	No						
Cattle movement control	Yes	Yes					
Cleaning and disinfection	Yes	Yes					
Stamping-out policy	Total (all animals) Yes						
Disposal of carcasses	At site Yes	Outside Yes	Into a plant N/A				
	Burning No	Burial Yes	Rendering N/A				
Vector control	Animals Yes	Facilities Environment Yes Yes					
Clinical surveillance	Active (# of samples) No						
Serosurveillance Regional workshop on	2017						

### Challenges

- · Reimbursement of the farmers
- · Awareness campaign
- · Vaccination of the new born
- Trade/transit with live animals, products
- Vaccination in the neighboring countries
- Regional approach
- Purchase of vaccines and vaccination campaign for 2017

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#### Thank You for Your attention

dterzievski@fva.gov.mk oivanovski@fva.gov.mk

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