



GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES



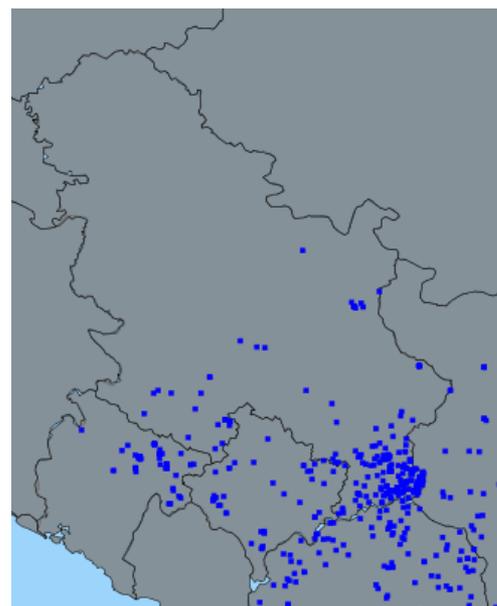
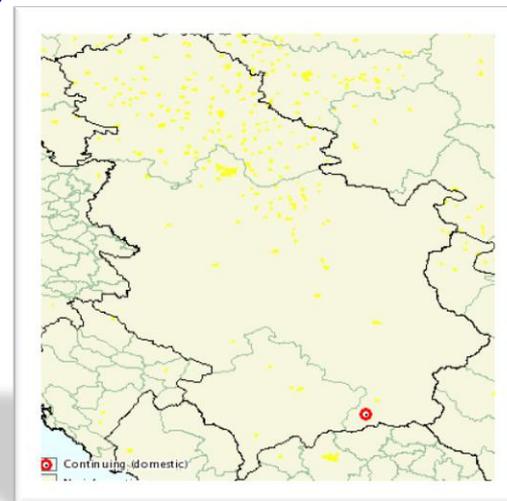
Standing Group of Experts on Lumpy Skin Disease in Europe

**Standing Group of Experts on Lumpy skin
disease for South-East Europe,
Third meeting (SGE, LSD3)
Istanbul, Turkey, 12-13.12.2016**

Serbia Report

Update on epidemiological situation

- *First case: June 4, 2016 (confirmation June 7, 2016)*
- *Rapid spread*
- *Total number of outbreaks 225*
- *Last case October 1, 2016)*



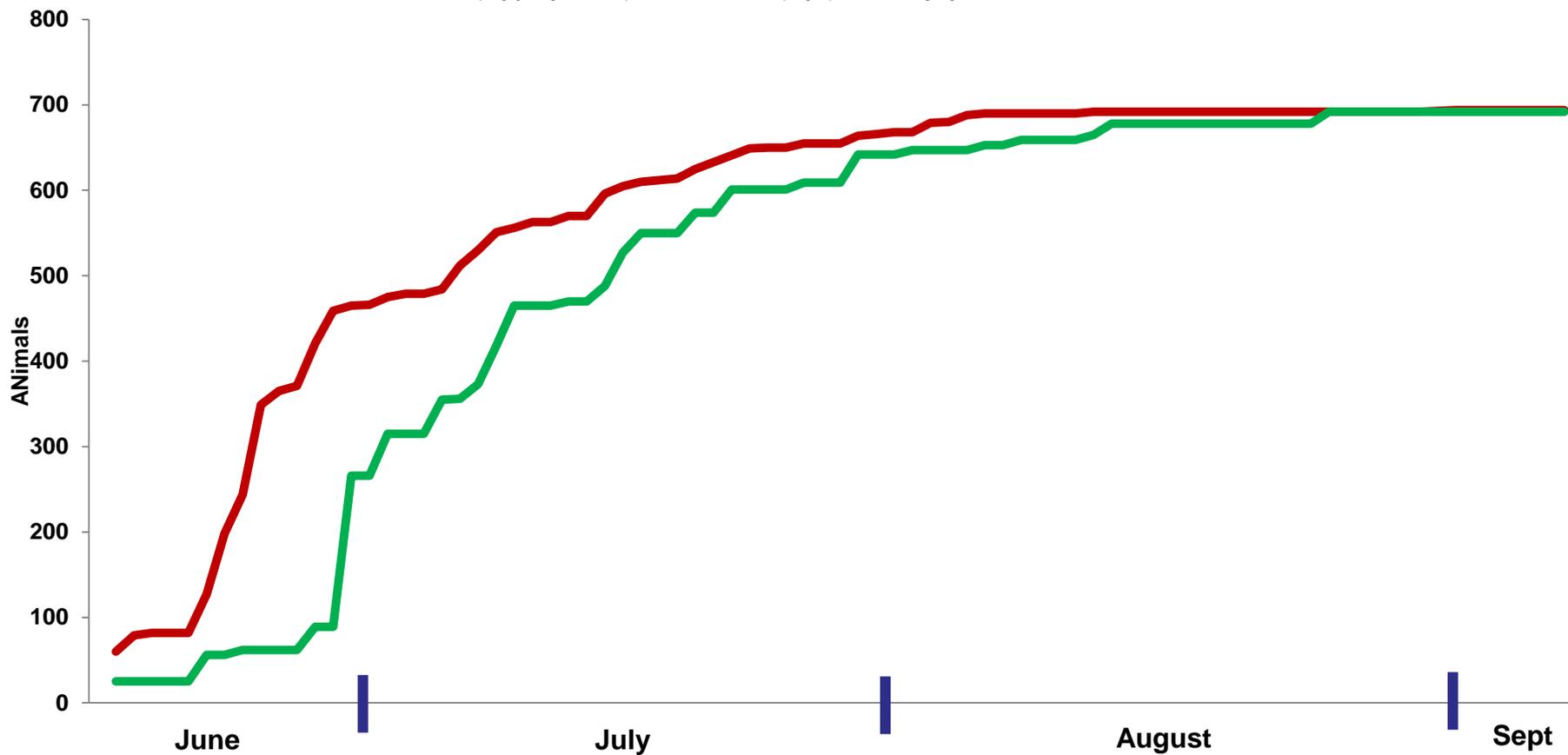
Update on epidemiological situation

	District	No outbreaks	Diseased animals		Number if animals per holding	Culled animals
			Before vaccination	During vaccination		
1	Branicevski	1	1	0	13	13
2	Borski	1	0	1	4	1
3	Zajecarski	9	1	8	239	55
4	Zlatiborski	5	0	5	43	5
5	Moravicki	1	0	1	3	1
6	Raski	17	7	10	121	28
7	Rasinski	2	0	2	17	3
8	Toplicki	2	0	2	17	2
9	Pirotski	11	2	9	391	36
10	Jablanicki	7	5	2	57	39
11	Pcinjski	169	83	86	1128	520
TOTAL		225	99	126	2033	709

Update on epidemiological situation

Number of culled / compensated animals (June – September)

— број убијених грла — број грла за које је исплаћена накнада



LSD epidemics

Clinical cases caused by field strain of LSD virus:



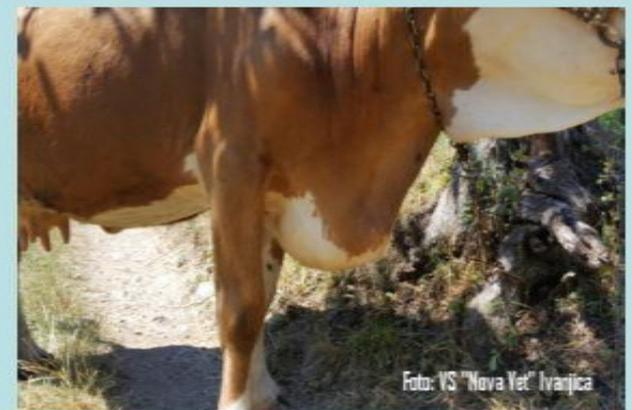
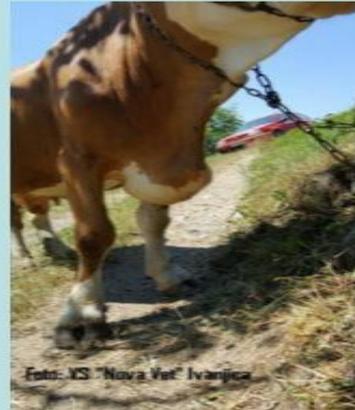
LSD epidemics

Clinical cases caused by filed strain of LSD virus:



LSD epidemics

Clinical cases caused by vaccine strain of LSD virus:



Animal that get over illness



LSD diagnostic capacities

National laboratories involved in diagnostic:

- *Scientific Veterinary Institute of Serbia, Belgrade*
- *Scientific Veterinary Institute, Novi Sad*
- *Veterinary Specialist Institute, Kraljevo*

Methodologies and resources:

- **Fast confirmation of LSDV (12-24 h)**
 - *Suspicion on LSD*
 - *Sampling and transporting of samples to laboratories*
 - *Laboratory confirmation (real time PCR)...*
 - *Reporting (phone, mail, sms...)*
 - *Analysis, mapping, OiE, ADNS...*
- ❑ *Prosecuting of all measures by law (compensation assessment, culling, measures on restricted holding and area...)*



STRONG AND STRICT MEASURES



LSD Prevention and control measures

Vaccination

- Adoption of Regulation for importation and use of LSD vaccine (13.6.2016)
- European Commission supplied 50.000 doses for two districts
- Urgent procurement of 400.000 vaccines (15.6.2016)
- Regular procurement of 600.000 doses (1.7.2016)
- South African Neethling strain, the Onderstepoort veterinary institute
- Vaccination plan adopted on 24.6.2016.
 - Zone A (EU vaccine) - 24.6.2016.
 - Zone B + commercial farms from zone C (400.000 doses) - 27.6.2016.
 - Zone C (up to 600.000 doses) – from mid July
- Vaccination completed on 31.8.2016
- Continuation of vaccination of new born calves and imported cattle



LSD Prevention and control measures

Vaccination - implementation

- Contracted – authorized veterinary stations
- Highest priority and efficacy,
- According to general Vaccination Plan
 - VS to design vaccination plans for designated territories
- SOP's developed
- IT system in place (SW App as part of national veterinary IT system - VetUP)
- Paid by state – veterinary budget
- Reporting

Potvrda o vakcinaciji goveda protiv bolesti nodularnog dermatitisa

1. Podaci o vlasniku i gazdinstvu
 Ime i prezime vlasnika gazdinstva: ZA VETERINU UPRAVA JMBG (ili mat. broj proizvođača): 07453558
 Adresa (naseљeno mesto, opština): OMLADINSKIH BRIGADA 1, 791067 NOVI BEOGRAD, NOVI BEOGRAD
 Ime i prezime držaoca životinja: ZA VETERINU UPRAVA JMBG: 07453558
 Adresa (naseљeno mesto, opština): OMLADINSKIH BRIGADA 1, 791067 NOVI BEOGRAD, NOVI BEOGRAD
 Veterinarski identifikacioni broj gazdinstva: 791067003008
 Adresa gazdinstva (naseљeno mesto, opština, okrug): OMLADINSKIH BRIGADA 2, 791067 NOVI BEOGRAD, NOVI BEOGRAD

2. Broj poljoprivrednog gazdinstva _____

3. Podaci o veterinarskoj stanici
 Naziv veterinarske stanice: MINISTARSTVO POLJOPRIVREDE I ZAŠTITE ŽIVOTNE SREDINE - UPRAVA BEOGRAD Adresa: OMLADINSKIH BRIGADA 1 11070 NOVI BEOGRAD

4. Podaci o životinjama i sprovedenim merama (Nodularni dermatitis)

Redni broj	ID broj životinje	Pol	Starost životinje u mesecima	Datum poslednje vakcinacije	Vakcinacija
1	CS 7161952399	Z	52	/	
1	CS 7161952399	Z	52	17.06.2016	
2	CS 7151952125	M	17	/	
3	CS 7111952113	M	5	17.06.2016	
3	CS 7111952113	M	5	/	

U K U P N O: _____

Datum vakcinacije: _____ Ukupan broj strana: 1
 Ime i prezime i popis vlasnik/držaoca životinje: _____ Identifikacioni broj, ime i prezime i popis veterinara: _____

IZVEŠTAJ O sprovedenoj vakcinaciji goveda protiv bolesti nodularnog dermatitisa

1000000014

1. Podaci o vlasniku i gazdinstvu
 Ime i prezime vlasnika gazdinstva: ZA VETERINU UPRAVA JMBG (ili mat. broj proizvođača): 07453558
 Adresa: OMLADINSKIH BRIGADA 1, 791067 NOVI BEOGRAD, opština NOVI BEOGRAD
 Ime i prezime držaoca životinja: ZA VETERINU UPRAVA JMBG (ili mat. broj proizvođača): 07453558
 Adresa: OMLADINSKIH BRIGADA 1, 791067 NOVI BEOGRAD, opština NOVI BEOGRAD
 Veterinarski identifikacioni broj gazdinstva: 791067003008
 Adresa gazdinstva: OMLADINSKIH BRIGADA 2, 791067 NOVI BEOGRAD, opština NOVI BEOGRAD, okrug BEOGRAD

2. Podaci o veterinarskoj stanici
 Naziv veterinarske stanice: MINISTARSTVO POLJOPRIVREDE I ZAŠTITE ŽIVOTNE SREDINE - UPRAVA ZA VET Adresa: OMLADINSKIH BRIGADA 1, 11070, opština NOVI BEOGRAD ID veterinara: 14551
 Ime i prezime veterinara: _____

3. Podaci o životinjama i vakcinaciji protiv bolesti nodularnog dermatitisa

Redni broj sa lista	ID broj životinje	Pol (m/z)	Starost životinje u mesecima	Vakcinacija
1	CS 7161952399	Z	52	0
2	CS 7151952125	M	17	1
3	CS 7111952113	M	5	0

Ukupan broj vakcinisanih životinja: 1

Popis veterinara i početni veterinarske stanice: _____ Ukupan broj strana: 1

21.06.16 Ljubica Jovanović

AIMCS - POČETNA STRANA ➔

Pretraživanje Gazdinstava Lista Rasa Lista Zemalja Log Out

USPEŠNO !!

Broj potvrde 14

ID broj gazdinstva 791067003008
 UPRAVA ZA VETERINU
 OMLADINSKIH BRIGADA 2, 11070 NOVI BEOGRAD, NOVI BEOGRAD

ID Veterinarske stanice: 10002 MINISTARSTVO POLJOPRIVREDE I ZAŠTITE ŽIVOTNE SREDINE
 ID Veterinara: 14551 Ljubica Jovanović

Datum vakcinacije: 21.06.2016
 Vakcina: Onderstepoort - LSD

Štampanje - Vakcinacija protiv nodularnog dermatitisa ŠTAMPAJ

RB	Broj životinje	Pol	Starost u mesecima	Datum poslednje vakcinacije	Vakcinacija (Nodularni dermatitis)
1	CS 7161952399	F	52	17.06.2016	<input type="checkbox"/>
2	CS 7151952125	M	17	/	<input checked="" type="checkbox"/>
3	CS 7111952113	M	5	17.06.2016	<input type="checkbox"/>

UKUPNO 1

Unos zaključen? [Pregled svih unetih podataka za ovu potvrdu](#)

SNIMI SNIMI i otvori sledeću stranu

LSD Prevention and control measures

Vaccination - results

- Vaccination was very effective tool.
- Epidemics is stopped in southern parts of the country
- Only sporadic cases in non-fully-vaccinated holdings in rural parts of country (bellow)
- Control measures lifted in all areas, except in Raski okrug, Novi Pazar municipality (still in place on Nov 12, 2016).



No	DISTRICT	vaccinated animals	vaccination %
1	SEVERNOBAČKI	36407	100.00%
2	ZAPADNOBAČKI	28908	95.37%
3	JUŽNOBAČKI	47244	99.14%
4	SEVERNOBANATSKI	41455	100.00%
5	SREDNJEANATSKI	42977	100.00%
6	JUŽNOBANATSKI	27881	99.95%
7	SREMSKI	32280	98.80%
8	MAČVANSKI	74338	100.00%
9	KOLUBARSKI	53788	100.00%
10	PODUNAVSKI	20286	100.00%
11	BRANIČEVSKI	30289	100.00%
12	ŠUMADIJSKI	40017	100.00%
13	POMORAVSKI	25700	100.00%
14	BORSKI	14415	100.00%
15	ZAJEČARSKI	20150	100.00%
16	ZLATIBORSKI	79558	100.00%
17	MORAVIČKI	38960	100.00%
18	RAŠKI	47101	100.00%
19	RASINSKI	31107	100.00%
20	NIŠAVSKI	24099	100.00%
21	TOPLIČKI	12274	100.00%
22	PIROTSKI	10282	100.00%
23	JABLANIČKI	24102	100.00%
24	PČINJSKI	22003	100.00%
25	BELGRADE	49759	99.96%
TOTAL		875,380	99.74%

Conclusion and Recommendations

1. Vaccination is effective tool for prevention and control of spreading of LSD
2. Intensive national vaccination campaign prevented outbreaks on big farms and spreading of disease in central and north districts
3. Biosecurity and control of movement of huge importance
4. Support of government and major stakeholders prerequisite for appropriate veterinary measures
5. Reliable diagnostic and rapid response capacities are essential
6. Efficient regional coordination and cooperation
7. Solidarity and continuous support to affected countries
 - *Long terms consequences*
 - *Impact on other control programs (BT, BT, Rabies)*
 - *Further acces to EU bank of vaccines, if possible*

Thank you for attention