



**GF-TADs**

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



**Standing Group of Experts on Lumpy Skin Disease  
in Europe**  
under the GF-TADs umbrella

**First meeting (LSD1)**  
**Brussels, Belgium, 4-5 July 2016**

**Serbia Report**

**Budimir Plavsic,  
Nenad Petrovic**

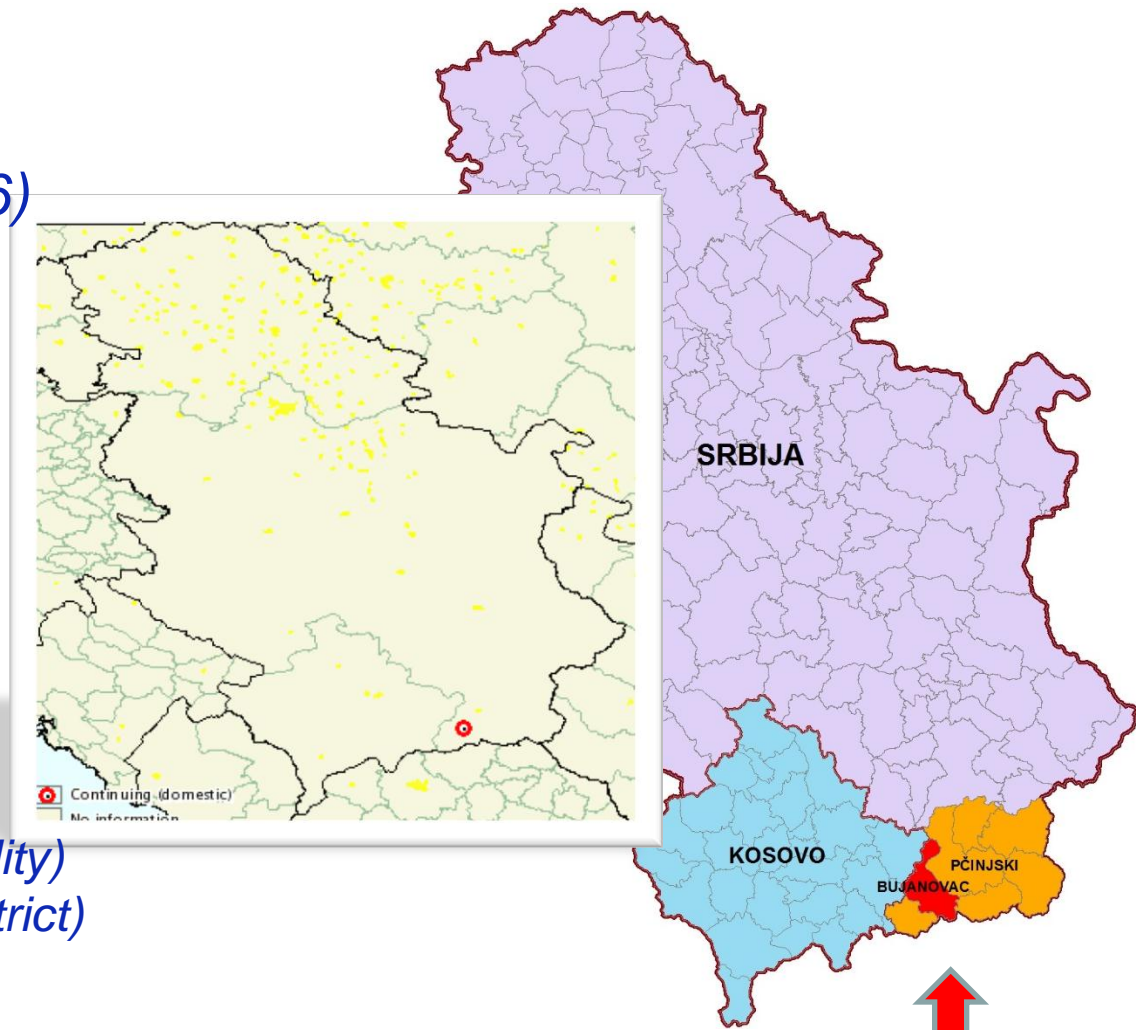
# ***Content***

1. Epidemiological situation
2. Control measures
3. Transparency, notifications
4. Vaccination
5. Conclusions and recommendations



# ***LSD Epidemiological Situation***

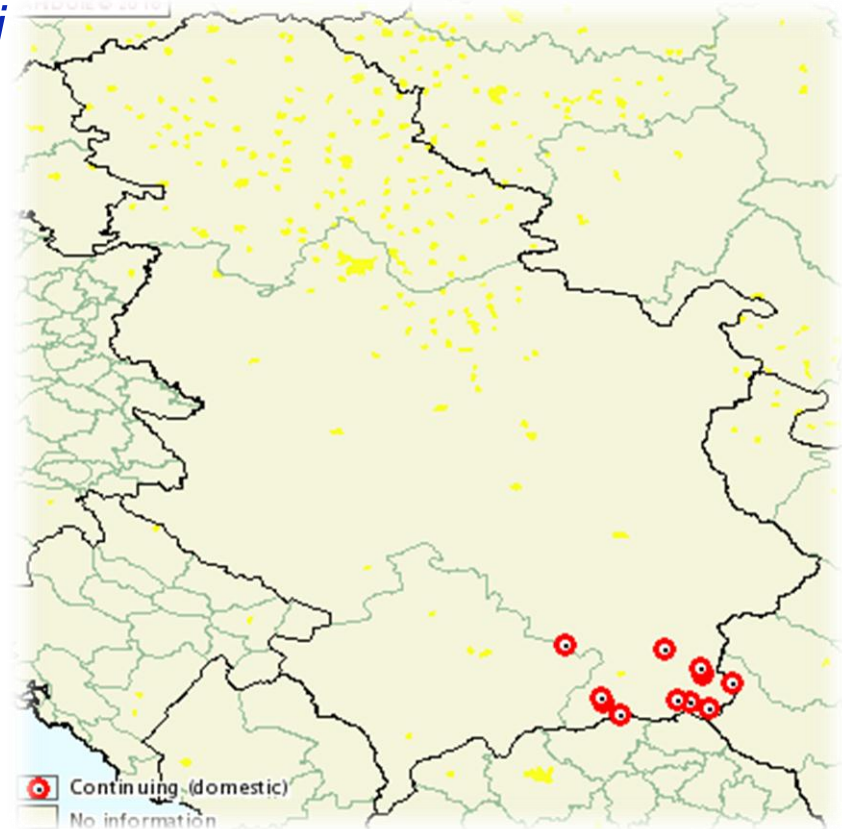
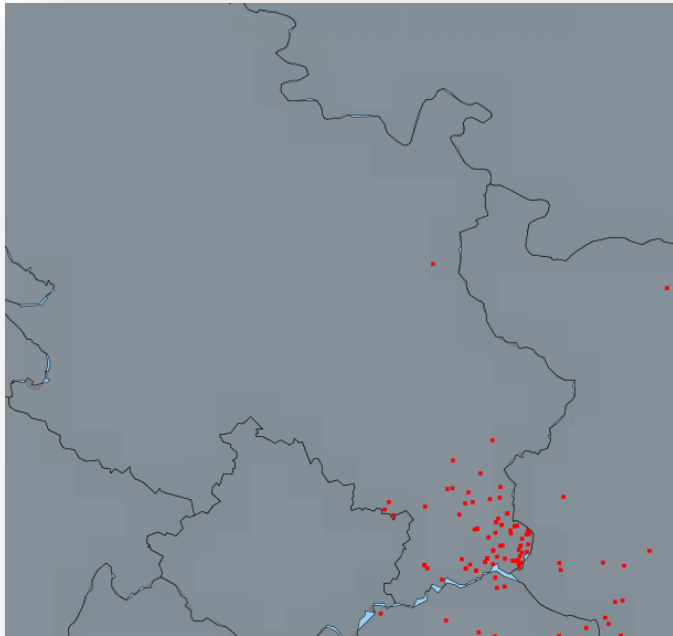
- *Never reported in Serbia*
- *First case: June 2016  
(confirmation 7 June 2016)*
  - *Bujanovac municipallity*
  - *Clinical suspicion*
  - *Backyard holding (8/1/0  
cattle/case/deaths)*
  - *Quick notification and rapid  
response*
  - *Depopulation*
  - *Cleaning, disinfection,  
desinsection*
  - *Protection (whole municipality)  
and surveillance (whole district)  
zone*



OIE: Immediate notification (08/06/2016)  
ADNS reporting (from 23/06/2016)

# ***LSD Epidemiological Situation***

- *Secondary outbreak:*
  - *Izvor, Bosilegrad, Pcinjski*
  - *Clinical suspicion*
  - *Backyard holding (8/1/0 cattle/case/deaths)*
- *In 7 days 16 outbreaks*

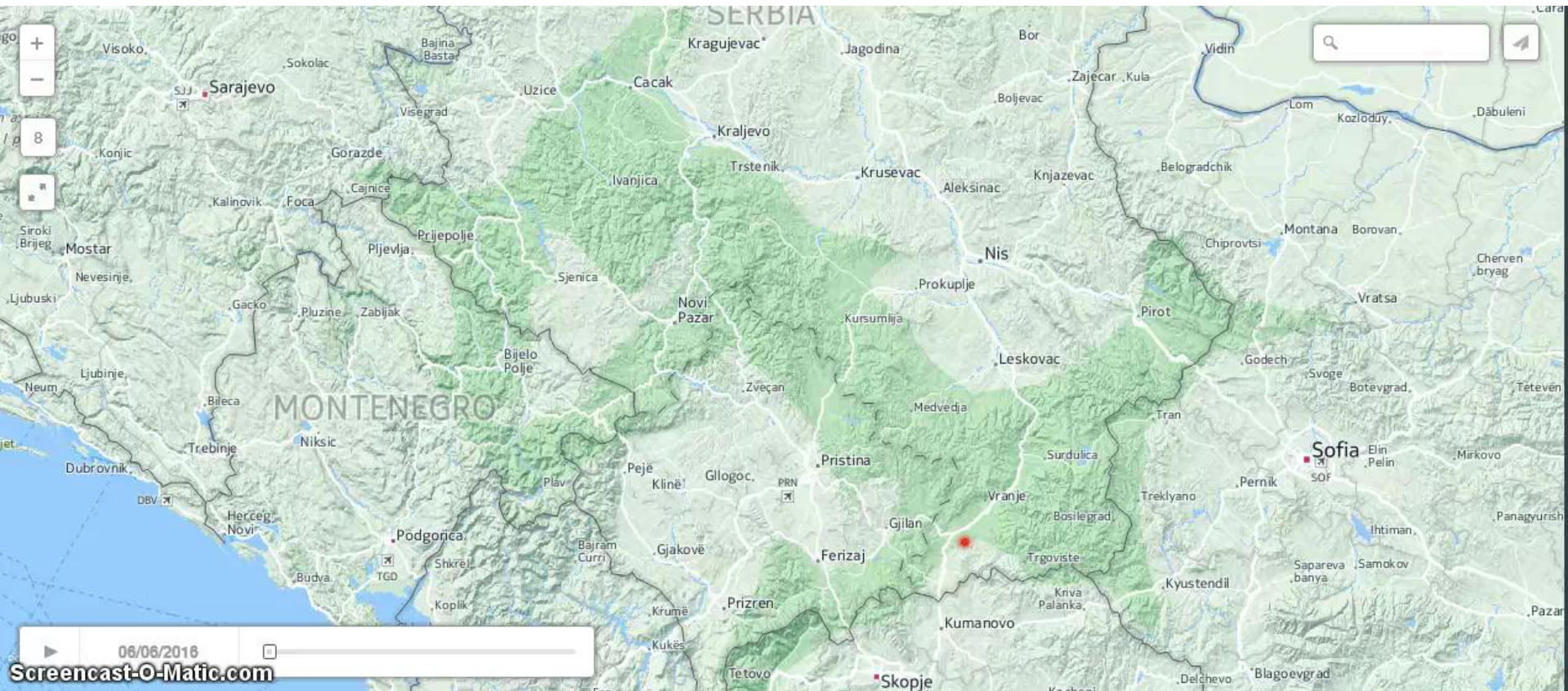




# LSD Epidemiological Situation

30.6.2016.

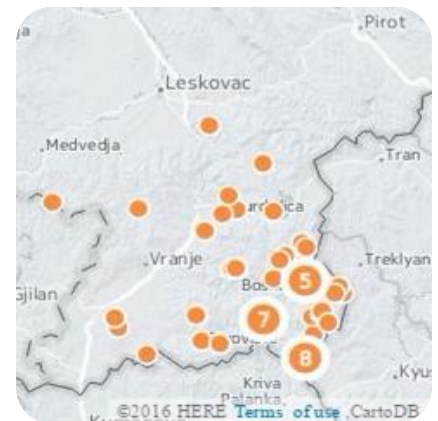
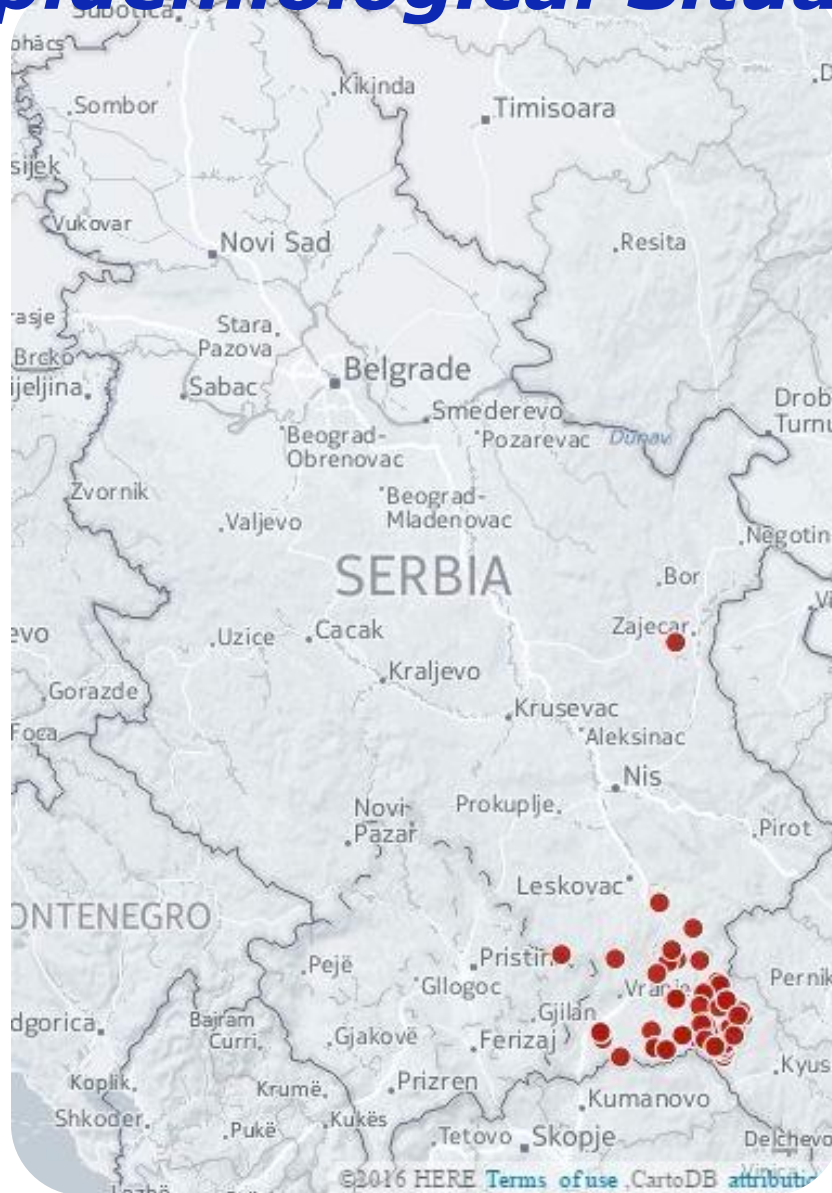
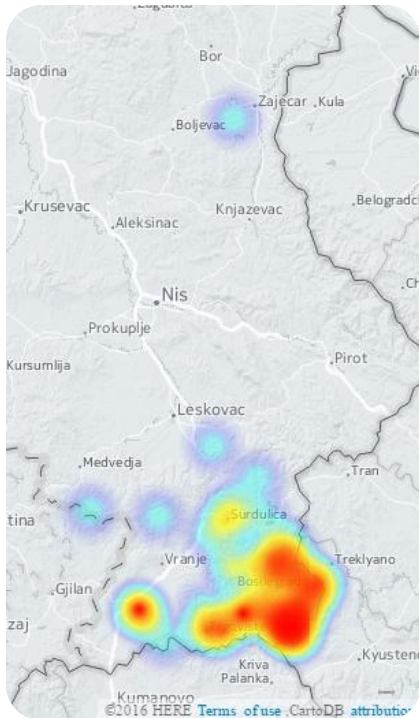
➤ 86 outbreaks



# LSD Epidemiological Situation

4.7.2016.

➤ 105 outbreaks



# ***LSD Epidemiological Situation***

4.7.2016.

<b>Number of animals</b>	<b>Cows</b>	<b>377</b>	<b>Suspicion</b>	<b>Culled</b>	<b>Total</b>
	<b>Fattening bulls</b>	<b>110</b>	<b>189</b>	<b>479</b>	<b>668</b>
	<b>Calves</b>	<b>181</b>			

<b>Compensations (payed)</b>	<b>Total value (EUR)</b>	<b>255.800</b>	<b>Number of animals</b>
			<b>315</b>

<b>Number of affected holdings per district</b>	<b>Pcinjski</b>	<b>98</b>	<b>105</b>
	<b>Jablanicki</b>	<b>5</b>	
	<b>Zajecarski</b>	<b>1</b>	
	<b>Pirotski</b>	<b>1</b>	

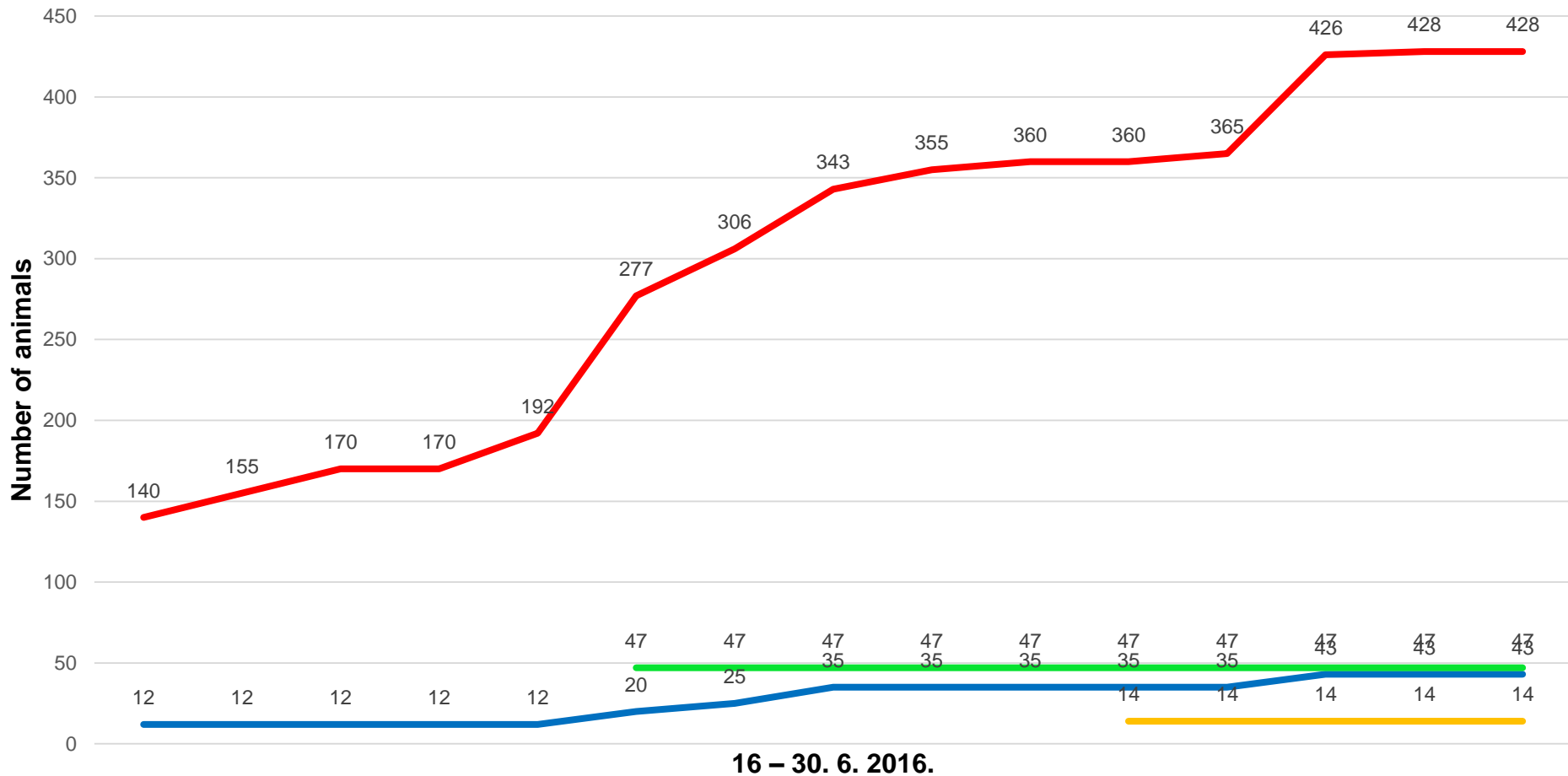
<b>Number of animals per district</b>	<b>Pcinjski</b>	<b>564</b>	<b>668</b>
	<b>Jablanicki</b>	<b>43</b>	
	<b>Zajecarski</b>	<b>47</b>	
	<b>Pirotski</b>	<b>14</b>	



# LSD Epidemiological Situation

## Distribution of outbreaks/cases per district

Пчињски - број грла    Јабланички - број грла    Зајечарски - број грла    Пиротски - број грла





# ***LSD Epidemiological Situation***

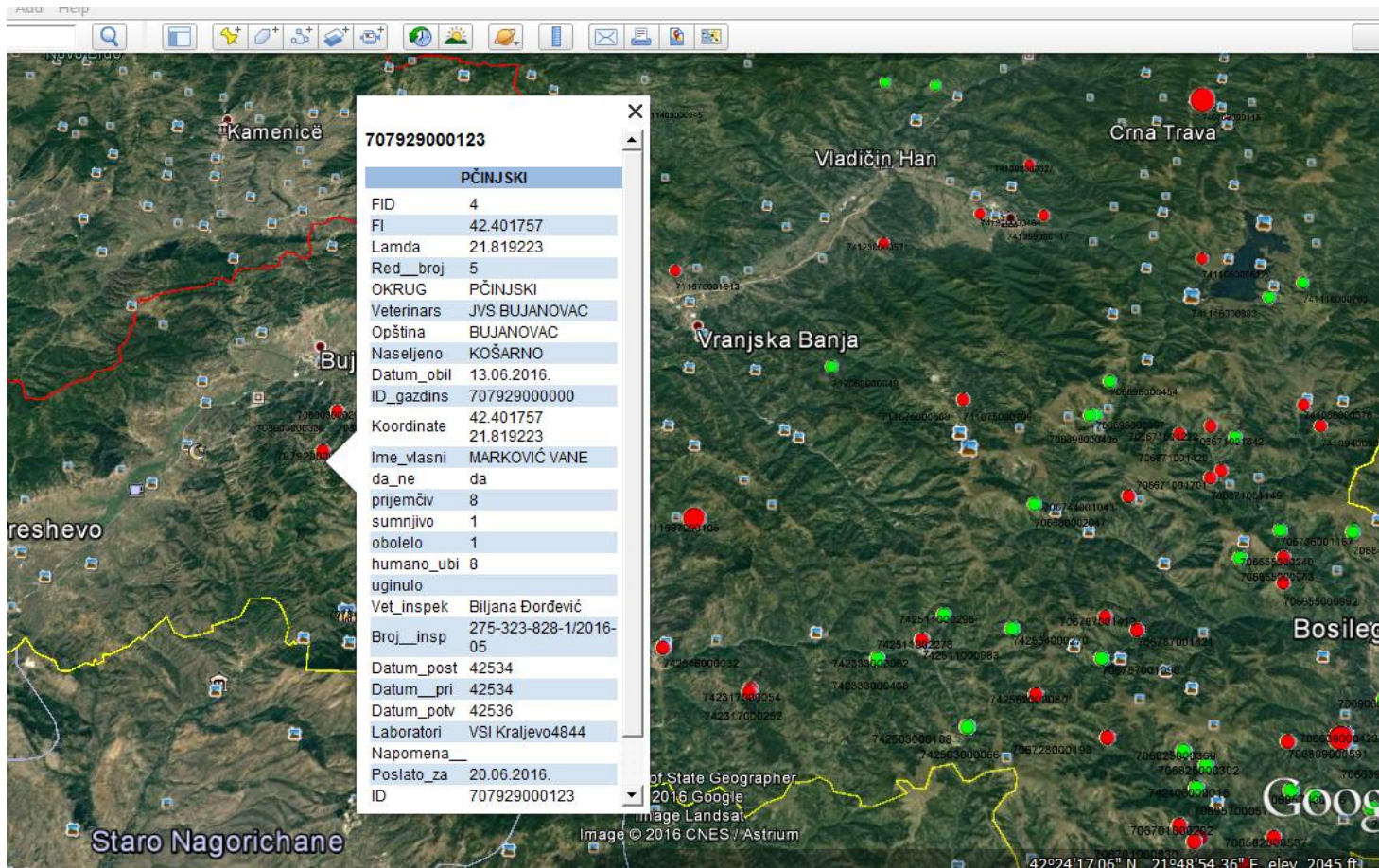
4.7.2016.

<b>Total</b>	<b>Susceptible</b>	<b>Diseased</b>	<b>Deaths</b>	<b>Morbidity (%)</b>	<b>Mortality (%)</b>
Cows	377	115	4	30,5	1,06
Fattening cattle	110	3	0	2,7	-
Calves	181	0	0	-	-



# LSD Epidemiological Situation

## Application of GIS tools



# ***LSD Prevention and control measures***

## ***Preparedness***

- *Increasing of veterinary budget in Deember 2015.*
- *Legal base for control measures, expenditurs and possible procurement of vaccine*
  - *Financial program of Government for veterinary expeditures (Jan 2016)*
  - *Program of animal health measures (Feb 2016)*
- *Development of brochures for farmers and veterinarians (Apr 2016)*
- *Procurement of diagnostic tests (3 laboratories)*
- *Study visit - Contingency planning – TAIEX support (May, Bulgaria)*
- *Training of experts – EUFMD support (May, Bulgaria)*
- *Communication with CA in Sofia and Skopje*

# ***LSD Prevention and control measures***

## ***Activities related to outbreak of LSD***

- *Veterinary national and regional (southeast region of RS) crisis management team (1.6.2016)*
- *Expert mission (EC, Pirbright experts), 6.6.2016.*
  - *Exchange of views*
  - *Analysis of regional situation, national capacities*
  - *Recommendations*
- *National Expert Group on LSD (8.6.2016.)*
  - *Analysis*
  - *National positions*
  - *Control measures*
  - *Vaccination*
- *National Task Force on prevention and control of LSD (13.6.2016.)*
  - *Prime minister office, managed by PM assistant*
  - *All relevant authorities (incl. Police, Army, regional and local authorities, Veterinary chamber...*
  - *Strong support by the Government, MoF...*



# ***LSD Prevention and control measures***

## ***Control measures***

- *Control measures in accordance with the Veterinary Law*
  - *equivalent to the Council Directive 92/119/EC, Decision 2016/645 and Decision 2015/1500*
- *General Contingency Plan*
  - *No specific Operational Manual for LSD*
  - *Adequate structure and command chain*
- *Notification of all cases*
- *Culling of all animals in affected holding*
- *Protection and surveillance zone (50 km)*
- *Clinical examination and control of cattle on all holdings*
- *Strong control of movement of animals*
- *Control of insects (desinsection, repellents)*
- *Fast compensation of costs (100% of market prices)*

# LSD Prevention and control measures

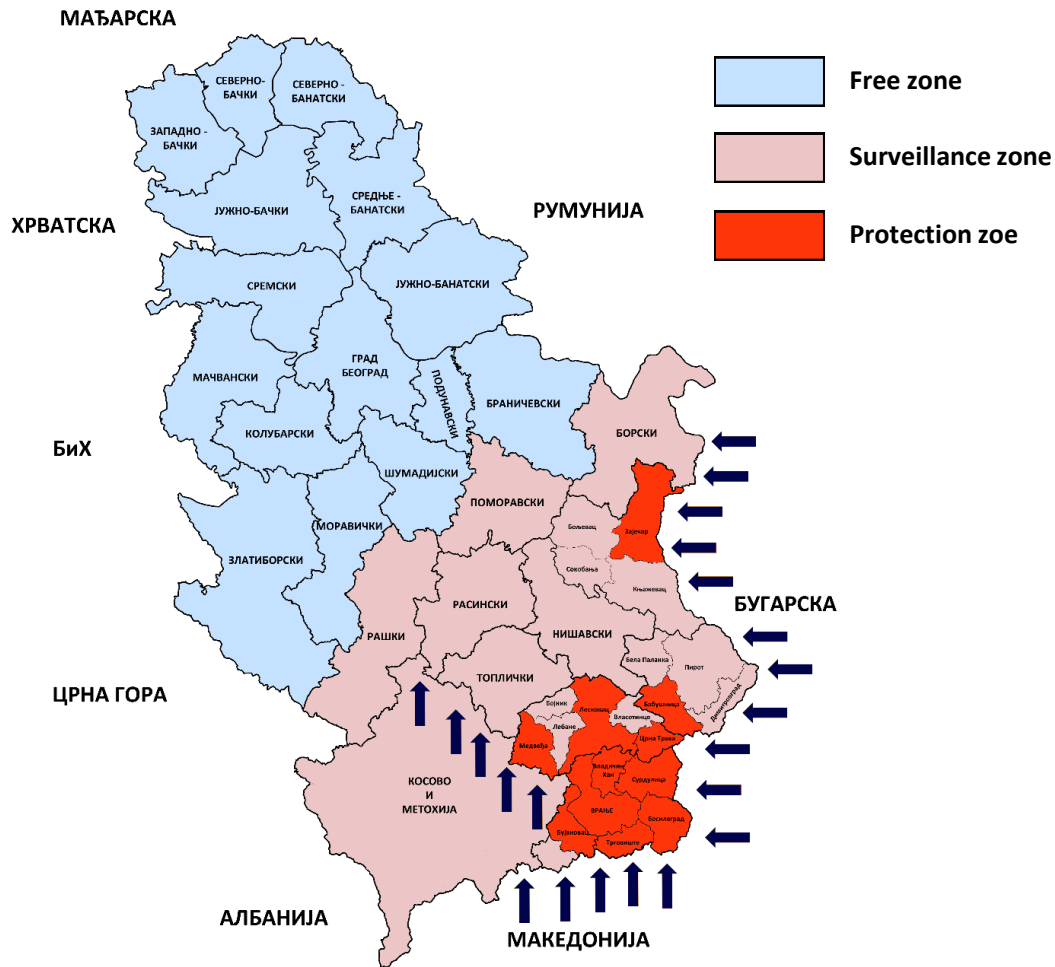
## Vaccination

- Request to European Commission for supply of 200.000 doses for immediate vaccination (8.6.2016)
  - 50.000 doses granted for two districts
- Adoption of Regulation for importation and use of LSD vaccine (13.6.2016)
- Urgent procurement of 400.000 vaccines (13-15.6.2016)
- Regular procurement of up to 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) – mid July



30.6.2016.

# Vaccination zones



# Vaccination zones

4.7.2016.

Vaccinations	Zones	Total number of cattle	Vaccinated	%
	A	57.871	37.640	65.04
	B	239.464	50.954	21.28
	Commercial farms	20.543	11.928	58.06
	C	-	-	-





# ***Challenges***

1. Budgetary issues
2. Trade of vaccinated animals and products (meat)
  - Export difficulties
  - Business opportunities vs. animal health/welfare
3. Management of outbreaks after vaccination
  - Immunity of vaccinated animals
  - Partial *stamping out*

# ***Recommendations***

1. Regional cooperation and communication
2. Harmonisation on control measures
3. Modernisation on legislative
4. Redesign of relevant chapters in TAHC (*regional or sub-regional approach*)
5. Support to affected countries
  - *Long terms consequences*
  - *Impact on other control programs (budgetary, capacity...)*
  - *Barrier for spreading of disease*
  - *Acces to EU bank of vaccines*
  - *Possible development of sustainable regional bank of vaccine (EU, OIE, FAO, member countries)*

**Thank you for attention**

