

Lumpy skin disease (LSD) Vaccination Data Collection

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

Third meeting (SGE LSD3), 12 - 13 December 2016 Istanbul, Turkey

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G3 – Official controls and eradication of diseases in animals



- Methodology
- > Responses received
- LSD vaccination in 2016
- Vaccination planning for 2017
- Observations Facts
- Round Table discussion



Methodology

LSD vaccination 2016

Data on vaccination per province

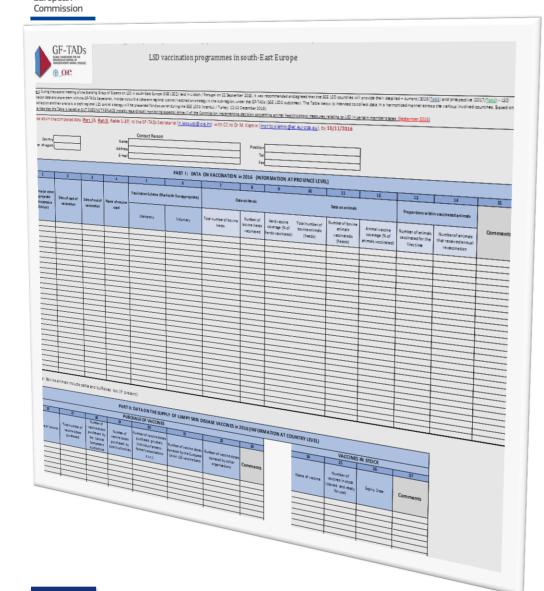
End-Start dates

Numbers of holdings – animals

Vaccination coverage achieved

Vaccine supply

(logistics -stocs)





Commission

LSD Vaccination Data Collection

Methodology

LSD vaccination 2017

Data on vaccination planning per province

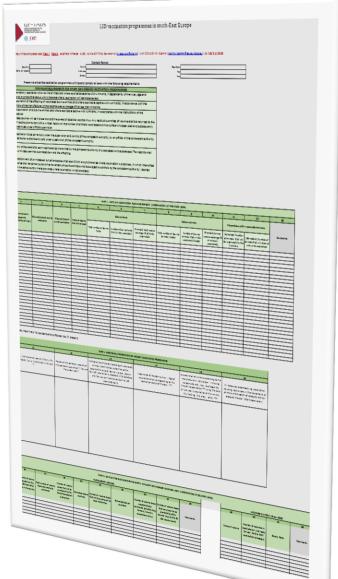
End-Start dates

Numbers of holdings – animals

Intended vaccination coverage

Vaccine supply

(logistics -stocks)







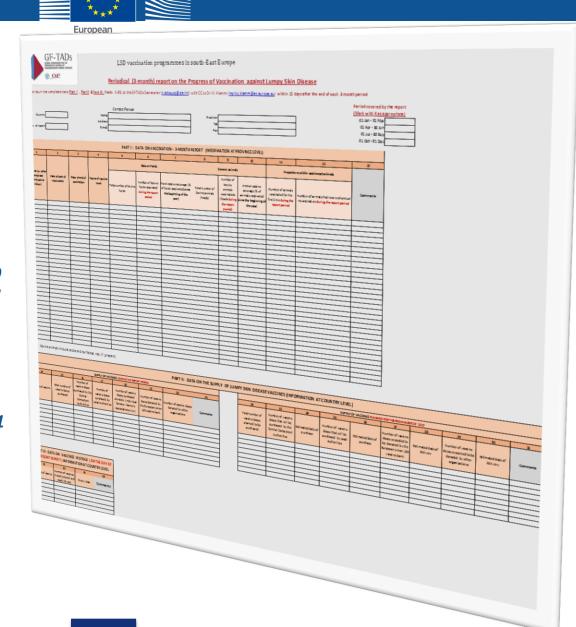
Methodology

LSD 3-month report

Data on LSD vaccination & vaccine supply

[Proposal for a template to help collect LSD vaccination data and provide them before each GF-TADs SGE LSD meeting in 2017]

(e.g. regular meetings every 3-4 months ?? TBD)





Country replies

Country	LSD vaccination 2016	LSD vaccination 2017
Bosnia & Herzegovina	NA	✓
Bulgaria	✓	✓
Croatia	✓	✓
Greece	✓	✓
Hungary	NA	✓
Kosovo*	✓	✓
Montenegro	✓	✓
Serbia	✓	✓
Slovakia	NA	✓
The Former Yugoslav Republic of Macedonia	✓	✓
Turkey	✓	✓

^{(*} This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence).





LSD vaccination 2016 - Timing

Country	Start Date	End Date	Average time for completion of vaccination	Perceived expiry of vaccine immunity [‡]
Bulgaria	28 Apr - 13 May 2016	15 June - 15 July 2016	48 days	April – May 2017
Croatia	8 Aug - 21 Sep 2016	15 Sep – 15 Nov 2016	55 days	Aug - Sep 2017
Greece	<u>2015</u> : 5 Sep – Dec ** <u>2016</u> : May - (TBD)	2015: 2 Oct – Dec ** 2016: Aug - (ongoing) **	127 (+) [ongoing]	Multiple dates
Kosovo*	11 July- 24 Sep 2016	01 Oct -10 Nov 2016	86 days	July - Sep 2017
Montenegro	1 Aug 2016	17 Aug 2016	16 days	Aug 2017
Serbia	27 June-08 July 2016	08 July -26 Aug 2016	38 days	July- Aug 2017
The Former Yugoslav Republic of Macedonia	23 May – 28 July 2016	6 June - 10 Oct 2016	54 days	May – July 2017
Turkey	1 Jan 2016	31 Dec 2016	360 days (all year round)	All year round

Based on the start date, minimum vaccine immunity 12 months

** Multiple dates per province, in some cases 2015 vaccination was completed in 2016



LSD vaccination 2016 - Numbers of animals

Country	Numbers of animals vaccinated	Reported vaccination coverage	Comments
Bulgaria	681.779	100%	-
Croatia	418.153	98,4%	-
Greece	616.244	74,06%	Not all country subject to vaccination. Data pending for some provinces subject to vaccination.
Kosovo*	239.119	70%	(livestock in database higher than actual ⇒ true vaccine coverage >>70%)
Montenegro	91.410	100 %	-
Serbia	873.071	96,5%	-
The Former Yugoslav Republic of Macedonia	212.877	97%	-
Turkey	9.943.001	70%	-



LSD vaccination 2016 - Supply of vaccines

Country	National central procurement (doses)	EU LSD vaccine bank	Other	Total doses supplied
Bulgaria	625.000	150.000	-	775.000
Croatia	398.000	50.000	-	448.000
Greece (2015 & 2016)	628.000	150.000	196.854 [‡]	974.854
Kosovo*	235.000	25.000	-	260.000
Montenegro	95.000	25.000	-	120.000
Serbia	1.000.000	50.000	-	1.050.000
The Former Yugoslav Republic of Macedonia	250.000	50.000	-	300.000
Turkey	1	ı	10.500.000**	10.500.000
Bosnia & Herzegovina	-	-	-	-
Hungary	210.000	-	-	210.000

Slovakia

^{*} Local veterinary authorities & private purchase



LSD vaccination 2016 - Vaccine consumption / stocks

Country	Type of vaccine	Total doses supplied	Total animals vaccinated	Available stock for 2017
Bulgaria	Homologous	775.000	681.779	Small
Croatia	Homologous	448.000	418.153	55.000
Greece	Homologous	974.854	616.244	(TBD- vaccination in progress)
Kosovo*	Homologous	260.000	239.119	-
Montenegro	Homologous	120.000	91.410	20.000
Serbia	Homologous	1.050.000	873.071	90.000
The Former Yugoslav Republic of Macedonia	Homologous	300.000	212.877	68.200
Turkey	Heterologous (3 x SGP vaccine)	10.500.000	9.943.001	500.000
Bosnia & Herzegovina	NA	_	NA	-

Bosnia & Herzegovina	NA	-	NA	-
Hungary	Homologous	NA	NA	210.000
Slovakia	NA	-	NA	-



LSD vaccination 2017 - Vaccine procurement plan

Vaccination 2017 Vaccine procurement plan				
Country	Number of doses planned to be bought nationally	Estimated date of purchase	Comments	
Bulgaria	1.300.000	Mar 2017	Booster + calves + cattle from free areas	
Croatia	600.000	Feb-Mar 2017	Some quantity will be needed before national purchase for new-born calves	
Greece	700.000	June 2017	-	
Kosovo*	310.000	Mar-April 2017	-	
Montenegro	110.000	March 2017	Booster + calves + cattle from free areas	
Serbia	1.300.000	June 2017	-	
The Former Yugoslav Republic of Macedonia	175.000	Jan 2017	Another 175.000 will be needed for the entire vaccination campaign	
Turkey	12.175.349	TBD	(estimated, vaccination programme in preparation)	
Bosnia & Herzegovina	166.900 (SIDA)	TBD	Vaccination decision pending	
Hungary	210.000	June 2017	Preventive vaccination if LSD 100km or closer from border (selected areas)	
Slovakia	-	-	No LSD vaccination planned for 2017	
			GE TADE SGE ISD2 (Istanbul 12 - 12 Dec	

GF-TADs, SGE LSD3 (Istanbul, 12 – 13 Dec 2016)



LSD vaccination 2017 - Vaccination plan

Country	Estimated number of animals	Planned start date	Planned end date
Bulgaria	1.081.899	20 Feb 2017	30 Mar 2017
Croatia	424.913	Feb- Mar 2017	01 Apr 2017
Greece	731.339	01 Jan 2017	31 Dec 2017
Kosovo*	296.589	15 April 2017	15 May 2017
Montenegro	110.000	01 Apr 2017	-
Serbia	890.285 (+ 249.385)	01 Mar 2017	30 June 2017
The Former Yugoslav Republic of Macedonia	279.949	15 Jan 2017	30 Mar 2017
Turkey	12.175.349 (85% cov.)	01 Jan 2017	31 Jan 2017
Bosnia & Herzegovina	300.000	TBD – Decision pending	
Hungary	356.861	Preventive vaccination if LSD approaches 100km or less from border	
Slovakia	NA	NA	NA GF-TADs. SGE LSD3 (Istanbul, 12

GF-TADs, SGE LSD3 (Istanbul, 12 – 13 Dec 2016)



Observations - Facts

- > The majority of countries chose homologous LSD vaccines
- ➤ In most cases occurrence of new LSD outbreaks in affected countries stopped within 1 month following completion of their vaccination campaign
- Most of the 2016 LSD vaccine supply needs were covered through national procurement procedures
- ➤ In general, 2017 LSD vaccination plans are based on seasonality (the 2016 LSD epidemic started on April 2016) rather than vaccine immunity duration
- Most vaccine dose calculations for 2017 involve around 30% annual replacement rate + cattle from trade



Questions for discussion (indicative)

- Selection of starting time of LSD vaccination campaign in South East Europe
- > Timing for booster vaccination of cattle
- > Vaccination of calves born to vaccinated dams
- > Synchronisation of the LSD vaccination campaigns in affected /non affected countries
- Preventive vaccination, can we draft guidelines? (whenwhere)?
- Surveillance among vaccinated animals (combination with the vaccination campaign?)
- Prioritization of vaccination when mass vaccination is not possible
- > Ways to support the LSD vaccination campaigns



THANK YOU!!!! Round Table Discussion