



GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES

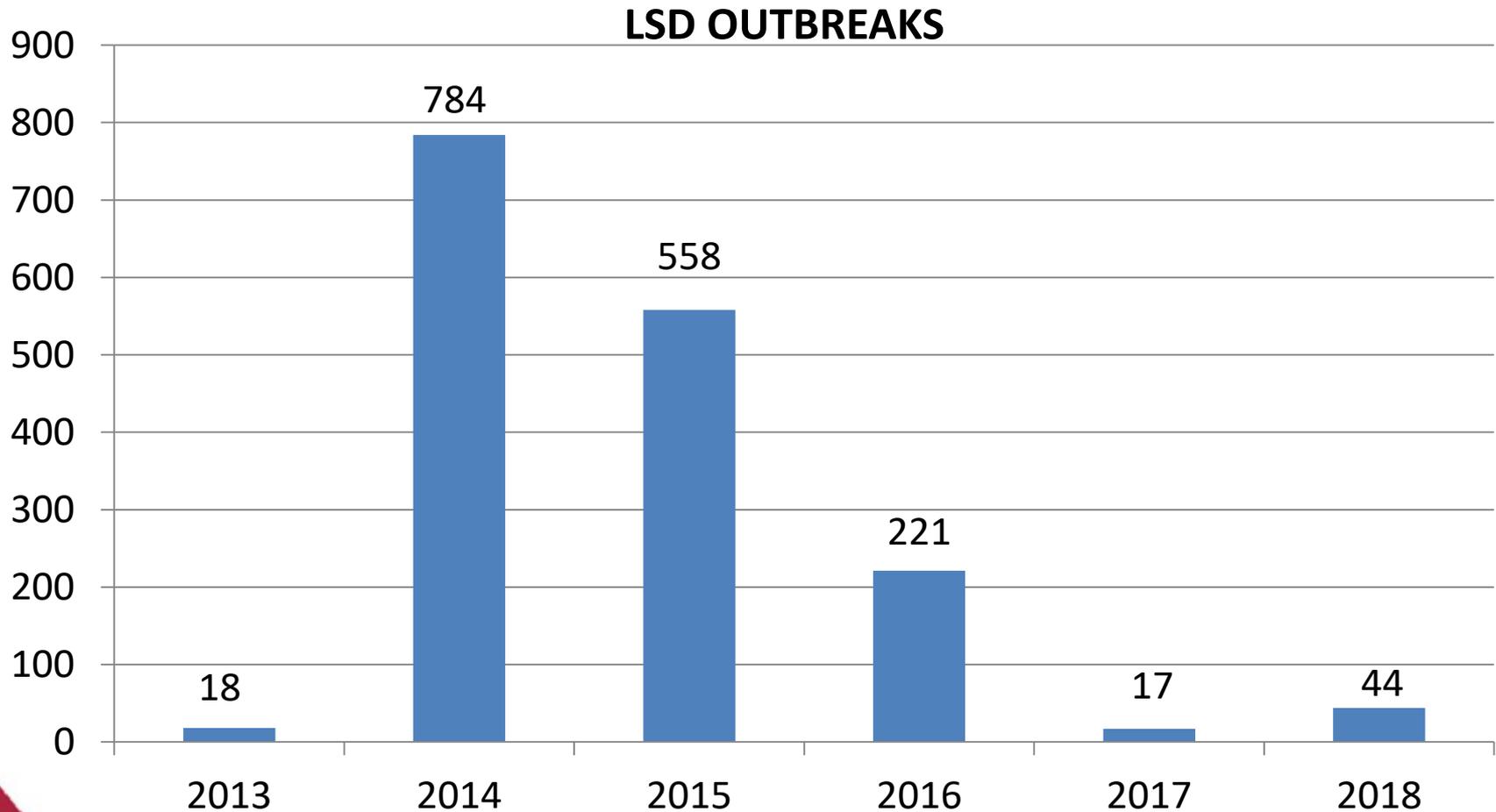


**Standing Group of Experts on Lumpy Skin Disease
in Europe**
under the GF-TADs umbrella

Seventh meeting (SGE LSD7)
Ohrid, the former Yugoslav Republic of Macedonia ,
18-19 October 2018

Report by TURKEY
Dr. Yener Sekercan

LSD epidemiology – evolution since SGE LSD6 (Paris May 2018)



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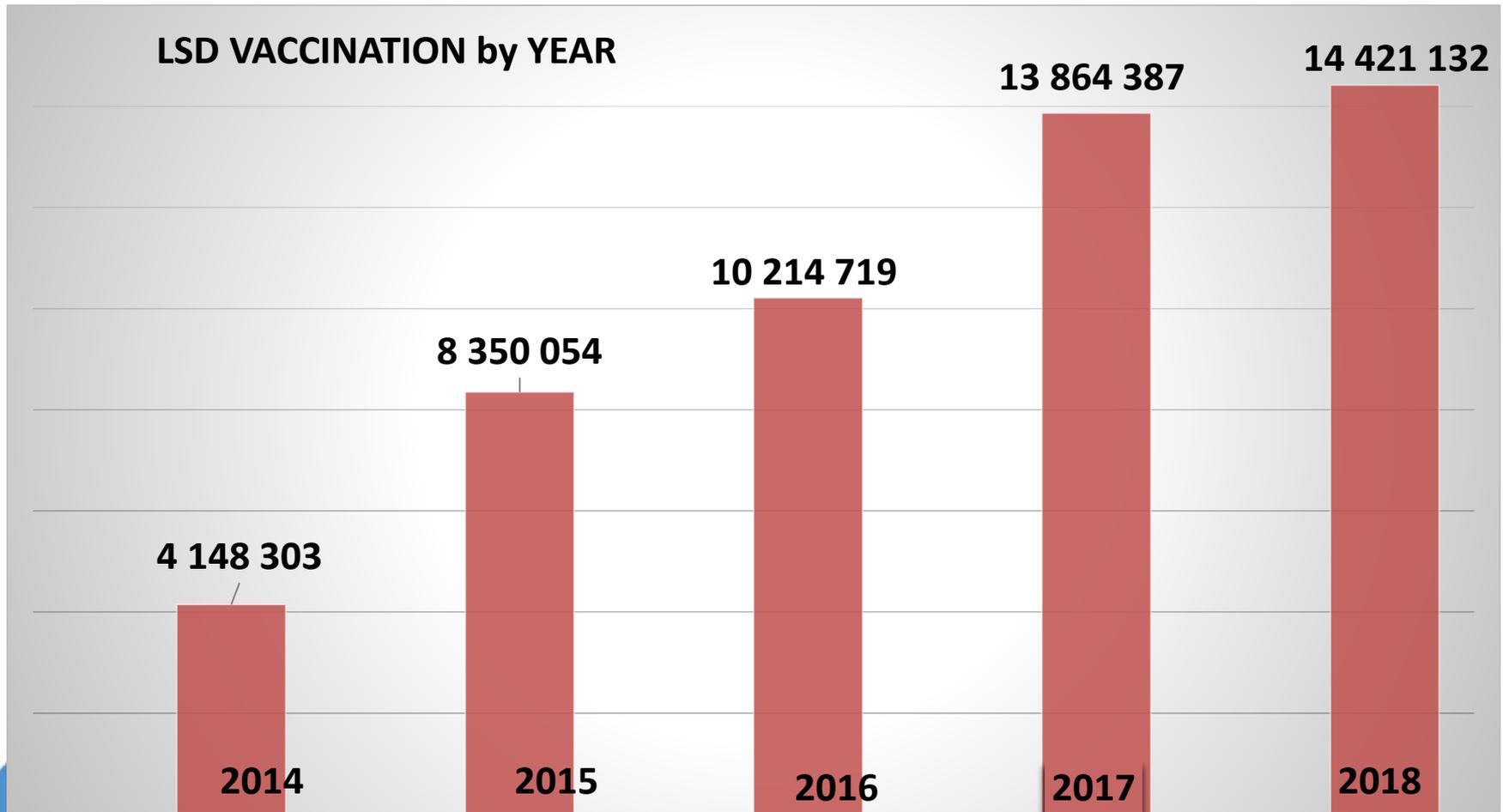
LSD epidemiology – evolution since SGE LSD6 (Paris May 2018)

RELATIONSHIP BETWEEN CONTROL MEASURES AND OUTBREAKS

	2013	2014	2015	2016	2017	2018
Quarantine/Movement Restriction	✓	✓	✓	✓	✓	✓
Vector Control	✓	✓	✓	✓	✓	✓
Cleaning/Dysinfection	✓	✓	✓	✓	✓	✓
Ring Vaccination	✓	✓	✓	✓	✓	✓
Clinical Surveillance	✓	✓	✓	✓	✓	✓
Programmed Vaccination	X	X	✓	✓	✓	✓
Selective Stamping out	X	✓	✓	✓	✓	✓
	18	784	558	221	17	44

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LSD epidemiology – evolution since SGE LSD6 (Paris May 2018)



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LSD epidemiology – evolution since SGE LSD6 (Paris May 2018)

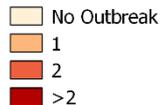
Active LSD Outbreaks between 01st May and 10th October 2018



Lejand

lzd.may-oct18

TurkProvince



* This map was created on 10th October 2018

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LSD Vaccination campaign in 2018



LSD Vaccine

- In 1975, Sheep and Goat Pox disease occurred in Bakırköy district of İstanbul. The local strain (Bakırköy strain) isolated from outbreak by Pendik Veterinary Control Institute.
- After 65 passages in primary lamb kidney cell culture, vaccine strain attenuated and lyophilized. This vaccine (Penpox-M) contains at least TCID₅₀ 10^{2,5} viruses per dose and it is still currently in use against LSD.

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LSD Vaccination campaign in 2018

Vaccines used for LSD combat

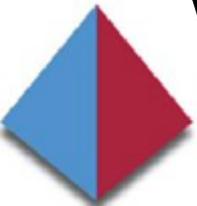
Trade name	Vaccine Strain	Producer	Institution	Country
Penpox-M	Attenuated SGPV	Pendik VCI	Government	Turkey
Poxdoll	Attenuated SGPV	Dollvet	Private	Turkey
Poxvac	Attenuated SGPV	Vetal	Private	Turkey

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LSD Vaccination campaign in 2018

- For 2018 the vaccination campaign was carried out between 01 January and 29 June
- In accordance with our national legislation, each province directorate decides own vaccination programme considering the vector activity in the province (because of the differences between their climate conditions, geographical status and husbandry system)
- After the end of the campaign, vaccination of cattle older than 3 months has been performed until the end of the year
- During the campaign 14.426.209 out of 15.460.938 cattle were vaccinated. Animal vaccination coverage: % 93,3

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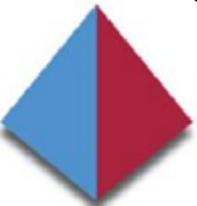


Other LSD activities in 2018

(e.g. surveillance – control measures if any)

- Biosecurity, vaccination, quarantine, selective stamping out, serosurveillance, outbreak investigation and vector control (pour-on solution within the scope of the Project on CCHF, pest control by pulverisation)
- Raise of awareness for farmers (meetings, brochures, leaflets)
- All cattle >3 months are vaccinated yearly as per Regulation on Combat Animal Diseases and Control of Animal Movements
- SGP vaccine is applied in 3-5 times more doses than small ruminant dose
- Animals >3 months not vaccinated during the last campaign are not allowed to move in the country
- Animals <3 months and those directly carried to slaughterhouse can move without vaccination
- Seropositive animals and those showing clinical signs of LSD are culled with compensation by the government

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Specific Plans for 2019

- Vaccination once a year considering climate and biology of the flies throughout the country
- Vaccination campaign will be completed before vector activity starts
- SGP vaccine will be performed 5 times more doses than small ruminant dose for cattle older than 3 months. Vaccination of the three-month-old calves which born after or in the campaign will be continued to the end the of year
- Pendik Veterinary Institute is carrying on working on homolog vaccine

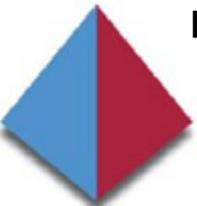


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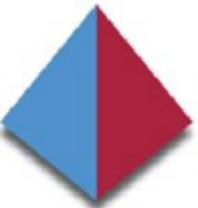
Specific Plans for 2019

Ongoing Projects:

- Detection of vectorborn diseases and creation of early warning system in Turkey
 - Detection of important vector flies
 - Detection of seasonal activity and intensity
 - Creation of an early warning system for preventing diseases
 - Bluetongue, EHD, BEF, Akabane and LSD
 - Addressing the dual emerging threats of African Swine Fever and Lumpy Skin Disease in Europe DEFEND (EU Project)
 - Enhancing national capabilities for early and rapid detection of priority vector borne diseases of animals (including zoonoses) by means of molecular diagnostic tools (IAEA Project)
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THANK YOU



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