



# 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

**Fifth meeting (SGE LSD5)**  
**Budva, Montenegro, 19-20 October 2017**

**TURKEY Report**  
**Dr.Esra SATIR**

# Overview of Turkey LSD Control Strategy

- LSD control strategy of Turkey is based on Veterinary Services, Plant Health, Food and Feed law no: 5996 and in compliance with Council Directive 92/119/EEC except slaughtering.
- LSD is a compulsory notifiable disease in Turkey.
- Restriction, Quarantine, Ring Vaccination, Sampling, Diagnosis  
Control of animal movements  
Cleaning and Disinfection in outbreak areas  
Insect control  
Vaccination in outbreak area.
- National Reference Laboratory is Pendik Veterinary Control Institute
- SGP vaccine (Bakırköy strain, local strain; Penpox-M) is used for LSD that produced by PPCI and two private companies.

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# LSD Epidemiology in 2013



○ Total 18 Outbreaks

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# LSD Epidemiology in 2014

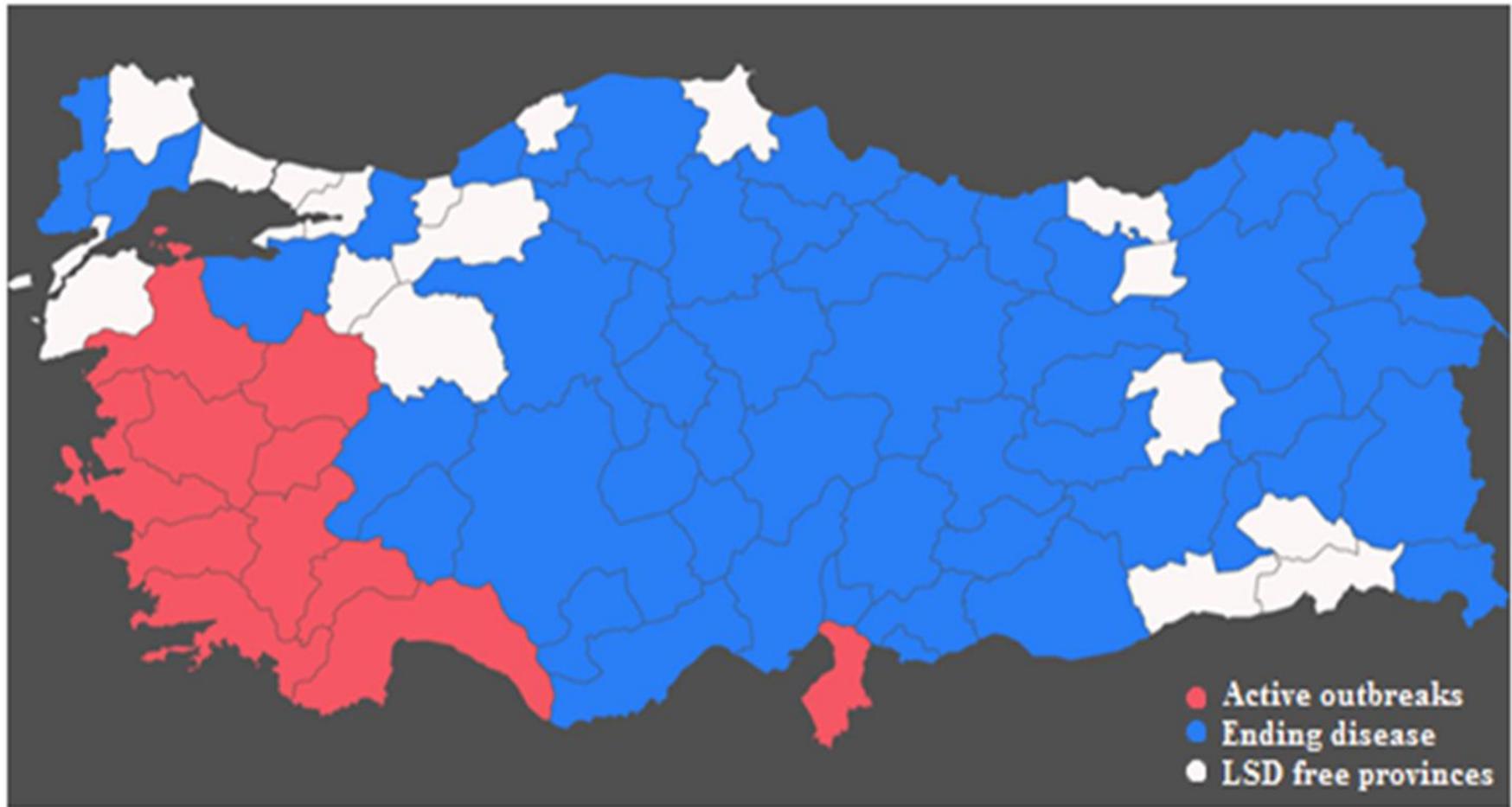


 Total 784 Outbreaks

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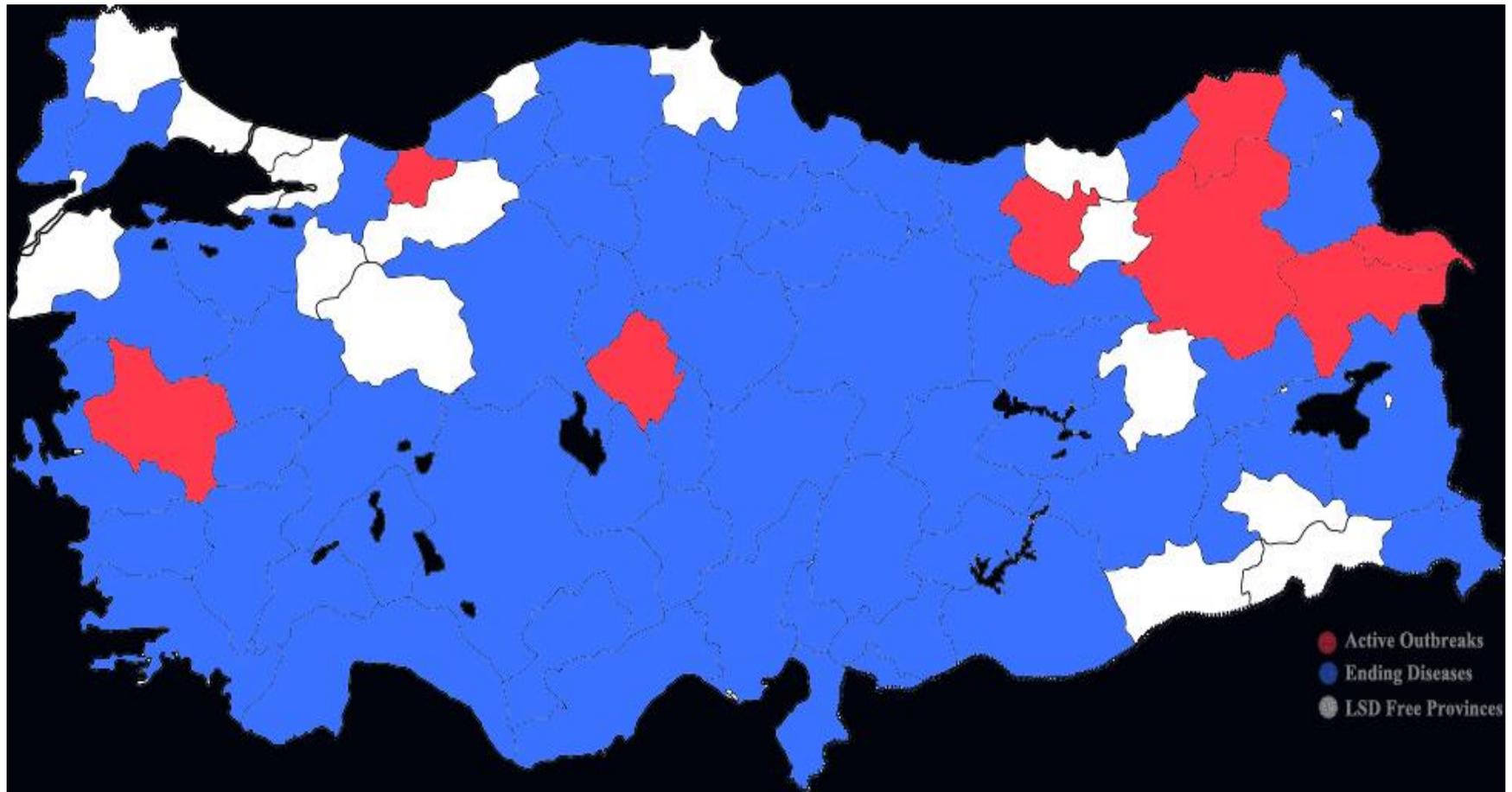
# LSD Epidemiology in 2016



 Total 221 Outbreaks

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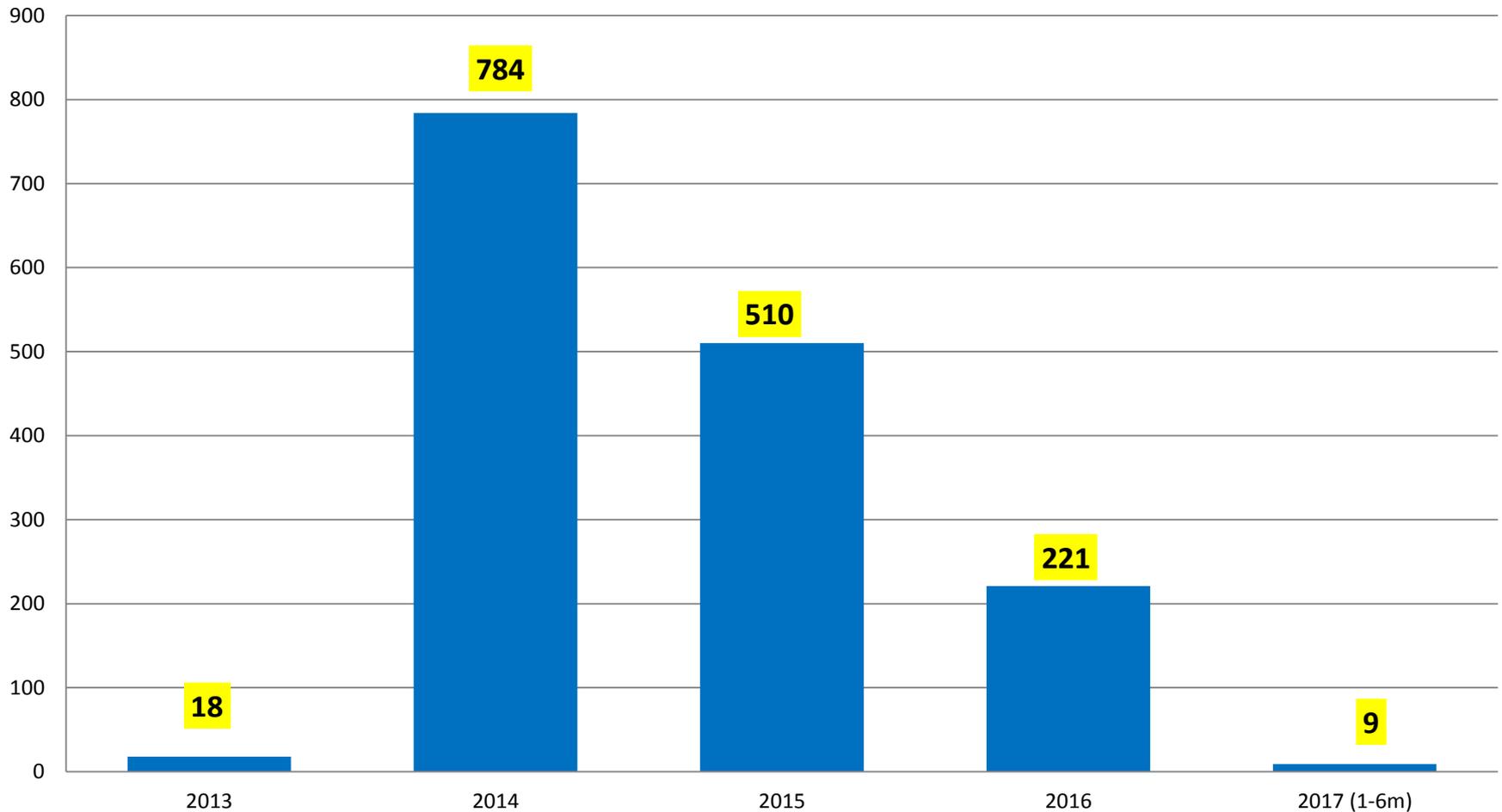
# LSD epidemiology in 2017 (1-6 m)



 Total 9 Outbreaks

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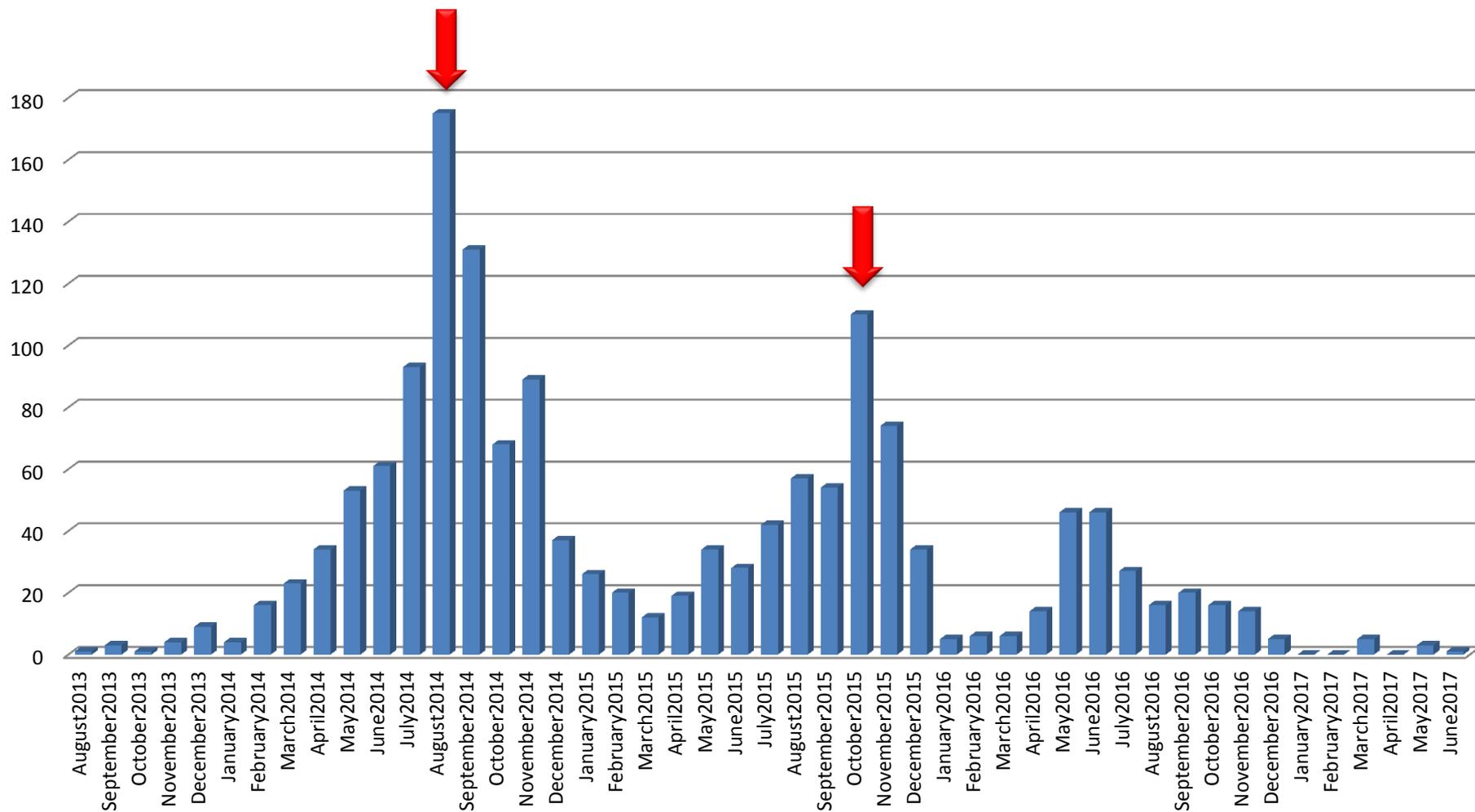
# Distribution of LSD Outbreaks by Years



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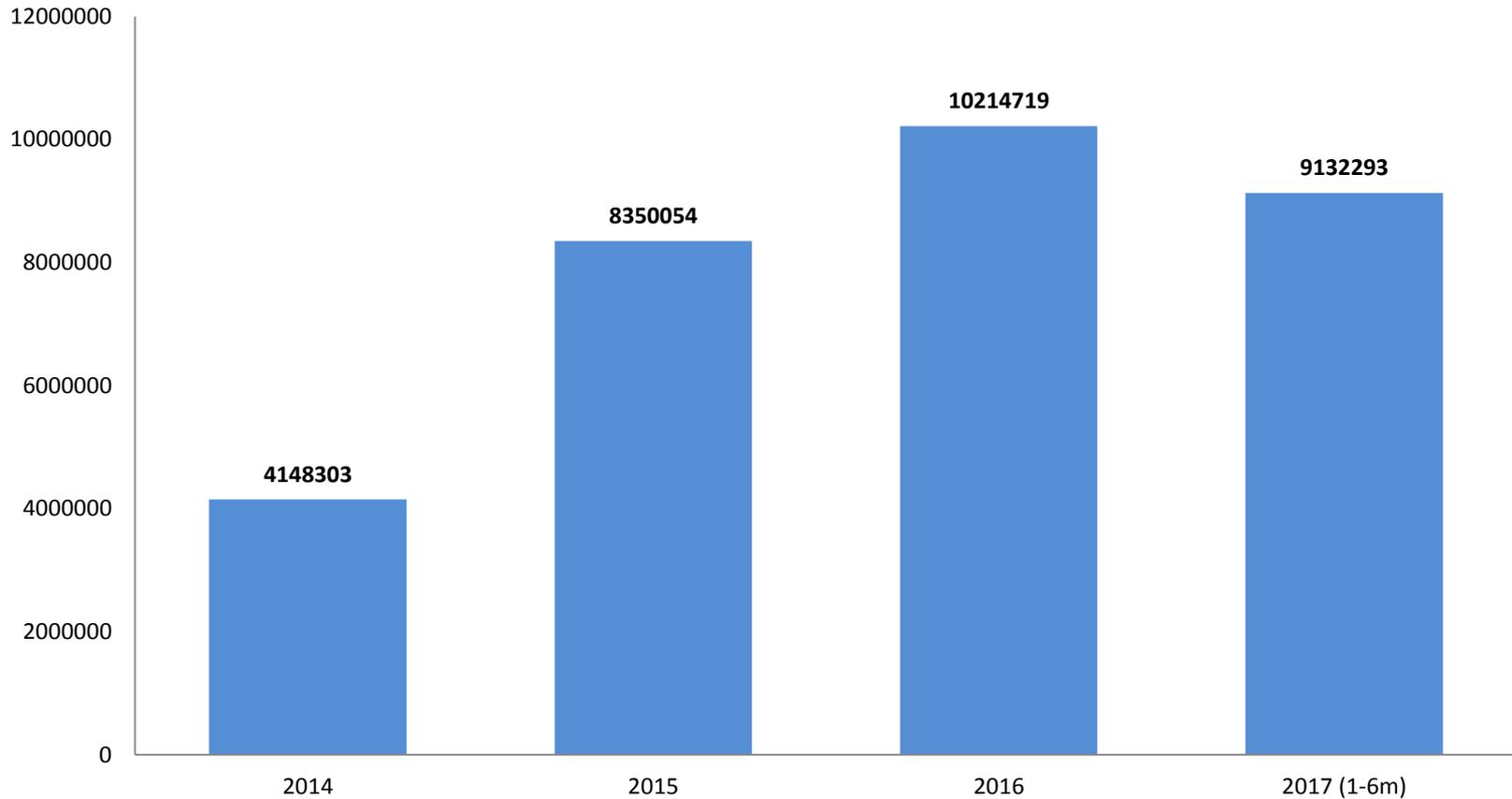


# Monthly LSD reports from 2013 to 2017 (1-6 m)



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# Number of Animals Vaccinated Between 2013-2017 (1-6 m)



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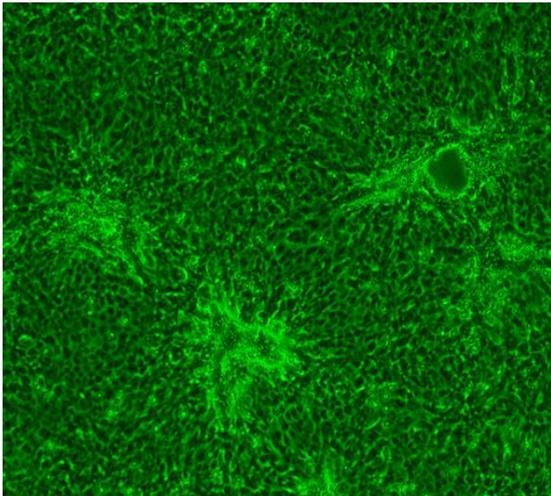
## Epidemiological data between 2013-2017 (1-6 m)

<b>Years</b>	<b>Number of Province (Vac. Camp.)</b>	<b>Number of Vaccinated Animals</b>	<b>Number of Outbreaks</b>
<b>2013</b>	-	-	<b>18</b>
<b>2014</b>	<b>43 provinces</b>	<b>4.148.303</b>	<b>784</b>
<b>2015</b>	<b>Whole Country</b>	<b>8.350.054</b>	<b>510</b>
<b>2016</b>	<b>Whole Country</b>	<b>10.214.719</b>	<b>221</b>
<b>2017 (1-6m)</b>	<b>Whole Country</b>	<b>9.132.293</b>	<b>9</b>

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# Field and Laboratory Studies of NRL

- SGP Vaccine Efficacy (2014-2015-2016)
- Pathogenicity of LSDV field isolate (2017)
- Safety study of 5 dose and 10 dose SGP vaccine (Penpox-M ) in Cattle (2017)
- Adaptation of SGP Vaccine Virus to the MDBK cell line and immunity study in Cattle against LSD (2017)
- LSD Vaccine Development (Attenuation still ongoing)



NRL/ Adaptation study



NRL/Pathogenicity study



NRL/Pathogenicity study

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# Our Experiences

- **Vaccination** most important measure  
**Rate of vaccination (80-90%) and vaccination time (BEFORE VECTORAL ACTIVITY)!!!**
- **Clinical survey** must be done periodically.
- Early detection and confirmation, culled and other control measures should be applied **very quickly**.
- **Control of animal movement** very important especially for subclinical infected and infected in incubation period animals.
- Vector control??

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# Acknowledgements

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Deputy Director of General Directorate of Food and Control, Ministry of Food, Agriculture and Livestock.

➤ Dr. Fahriye SARAÇ

Director of Pendik Veterinary Control Institute

➤ Dr.Esra SATIR

Head of Viral Vaccine Production Lab./ NRL of Capripoxviruses

➤ Ayşe PARMAKSIZ, Hakan ENÜL, Görkem ÇOLAK

Pendik Veterinary Control Institute Viral Production Lab.

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# THANK YOU

## Contact Details

Dr. Esra SATIR

Ministry of Food, Agriculture and Livestock

Pendik Veterinary Control Institute

National Reference Laboratory for LSD and SGP

[vetkontrol.tarim.gov.tr/pendik](http://vetkontrol.tarim.gov.tr/pendik)

[esra.satir@tarim.gov.tr](mailto:esra.satir@tarim.gov.tr)

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