



# GF-TADs

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



Food and Agriculture  
Organization of the  
United Nations



World Organisation  
for Animal Health  
Founded as OIE

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

## **SGE LSD 12**

**2 March 2023**

### ***Georgia***

## **Country Update**

# First LSD outbreak in Georgia

- 1<sup>st</sup> LSD suspect cases were detected in Racha-Lechkhumi and Kvemo Svaneti Region (1-3.11.2016)
- Laboratory of Ministry of Agriculture confirmed LSD by PCR
- On 8 November outbreak was reported to OIE



# Map of LSD cases in Racha-Lechkhumi and Kvemo Svaneti Region



# Actions implemented

- Immediate Notifications;
- Banned the movement of animals in that district (season supported a lot);
- Spraying of insecticides (on animals and holdings);
- No culling was implemented (lack of compensation policy);
- High density vector population area was defined;
- Vaccinated 234 978 LR was conducted in that area;

**WAMIS interface** Outbreak Management System English / Français / Español

Country information **Outbreak information** Previous control measures Data between 1982 and 2009 **World Annual Results**

**Outbreak report of Lumpy skin disease (-) in Georgia**

Date of start of the event: 2011/02/06

Outbreak status: Continuing

Date of invasion of the outbreak:

Region: RACHA-LECHGUMI- MTSKHETI

District: On

Village: Giza

Cycle/developmental level type: Village

Location: On

Latitude: 42.781325

Longitude: 43.043618

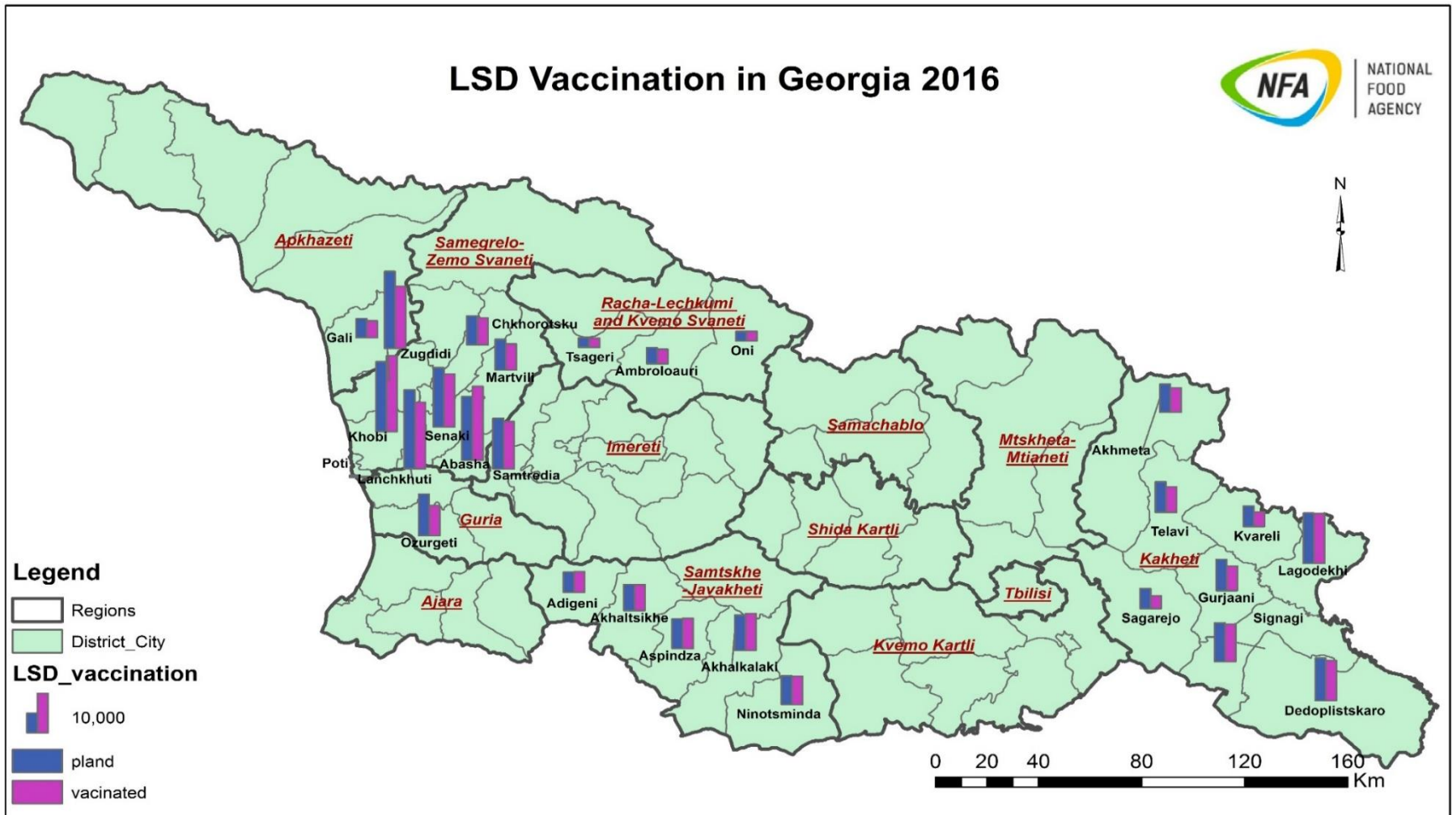
Description of Affected Population: The State Veterinary Services of Georgia got informed on November 16, 2011, about suspected Lumpy Skin Disease outbreak in Giza village, Oni district, Racha-Lechkhumi-Kvemo Kartli Region. On the same day, a State veterinarian carried out an inspection.

**Affected animals**

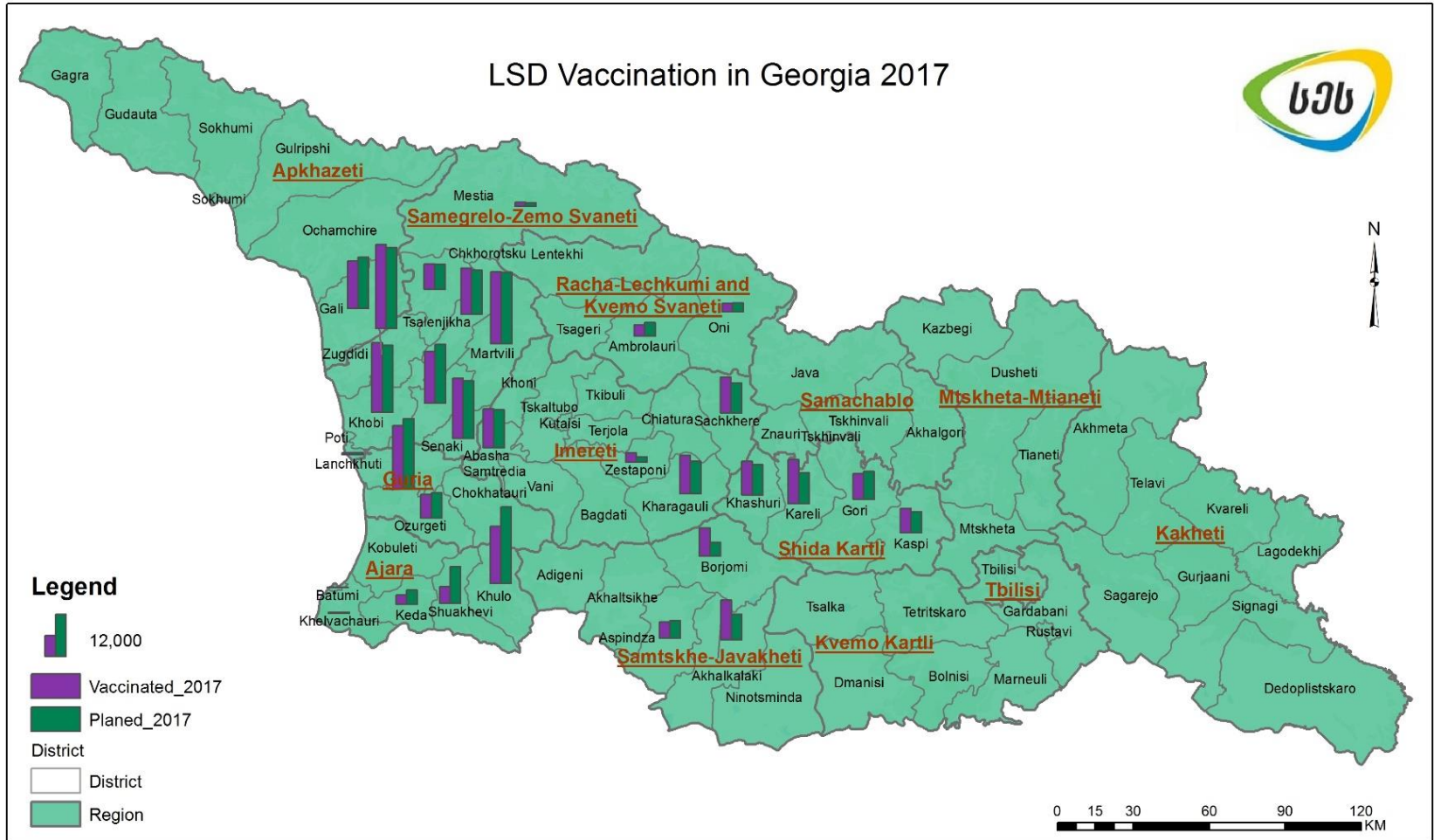
Species	All risk	Cases	Deaths	Destroyed
Cattle	140	1	0	0
Total Animals	140	1	0	0



# LSD Vaccination 2016



# LSD Vaccination 2017



# Awareness Campaign Triplets/Posters





## მსხვილფეხა პირუტყვის ნოდულარული დერმატიტი

**ნოდულარული დერმატიტი მსხვილფეხა პირუტყვის (ძროხა, კამეჩი) ვირუსული დაავადებაა**

**ადამიანი ნოდულარული დერმატიტით არ ავადდება!**

დაავადების მოკლე მანძილზე გადაცემის გზები

დაავადების დიდ მანძილზე გადაცემის გზები



**დაავადების სიმპტომებია:**

- ✓ ცხელება
- ✓ უმადლობა
- ✓ კანზე შრეგვანი ფორმის კვანძოვანი გამონაყარი (წიფილები)
- ✓ გაძლიერებული წერწყლედიანა, ცრემლდენა
- ✓ გამონადენი ცხვირიდან
- ✓ შესიებული ლიმფური კვანძები



**პრევენციული ღონისძიებები:**

ცხოველები და შათი საფეხები  
დაამუშავეთ მწერების  
საწინააღმდეგო

სურსათის ეროვნული სააგენტო მალაი  
რისკის ზონებში და დაავადების კერებში  
ატარებს ნოდულარული დერმატიტის  
საწინააღმდეგო ვაქცინაციას



სატიროების შემთხვევაში დარეკეთ:

ადგილობრივი  
ვეტერინარი

5 \_\_\_\_\_

5 \_\_\_\_\_

**ცხელი ხაზი:**  
**15 01; 247 01 01**

**ვაქცინაცია**

- ✓ ვაქცინაციის შემდეგ 3 კვირის განმავლობაში ცხოველები იმუნიტეტი, რომელიც ცხოველს იცავს დაავადებისაგან 1 წლის განმავლობაში.
- ✓ სისტემატიურად დაამუშავეთ პირუტყვი მწერების საწინააღმდეგო პრეპარატებით.

სურსათის ეროვნული სააგენტო ატარებს ნოდულარული დერმატიტის საწინააღმდეგო ვაქცინაციას დაავადების მაღალი რისკის ზონებში.

**ვაქცინაცია უფასოა!!!**

**სსიპ-საქსაპო-ს ნოდულარული დერმატიტის  
დაზიანებული ნივთების  
აღმოჩენისთანავე მოახდინეთ მისი  
იზოლაცია და დაუყოვნებლივ  
დაუკავშირდით ვეტერინარს!**



**მსხვილფეხა  
პირუტყვის ნოდულარული  
დერმატიტი**

სოფლის მეურნეობის სამინისტრო  
სურსათის ეროვნული სააგენტო





**ნოდულარული დერმატიტის  
სპეციალური მეურნეობის  
მეთოდი არ არსებობს**

ცხელი ხაზი:  
**15 01; 247 01 01**

**ჩა უნდა ვიყოფეთ მის ზუსტება**



# Second LSD outbreak in Georgia

- 2<sup>nd</sup> LSD case were detected in south eastern Georgia (bordering to Turkey) in 2018
  - 2 weeks before outbreak Turkish VS inform Georgian VS about LSD suspicious case
  - 1<sup>st</sup> LSD case confirmed august 2018
  - Totally 13 case were confirmed in 3 municipalities
- Notification to the OIE
  - Immediate notification
  - Follow ups



# Actions implemented in 2018

- Notification to the OIE
- Banned the movement of animals in that district
- Spraying of insecticides (on animals and holdings)
- No culling was implemented (lack of compensation policy)
- High density vector population area was defined
- Vaccinated 740 459 LR was conducted in all of the territory of Georgia.

19/02/2018

www.oie.int/ahis\_23636.html.php?AccessionID=Report/2744

**oie** Lumpy skin disease, Georgia

Information received on 03/02/2018 from Dr Lasha Ananias, Head of Veterinary Department, Veterinary Department, National Food Agency, Tbilisi, Georgia

**Summary**

Report type: Immediate notification

Date of start of the event: 20/07/2018

Date of confirmation of the event: 03/02/2018

Report date: 03/02/2018

Date submitted to OIE: 03/02/2018

Date event occurred: 15/12/2018

Reason for notification: Recurrence of a listed disease

Date of previous occurrence: 20/07/2018

Notification of disease: Clinical disease

Causal agent: Lumpy skin disease virus

Reason of diagnosis: Laboratory (unknown)

This event pertains to: the whole country

**Related reports**

Immediate notification: 03/02/2018  
Follow-up report No. 1: 11/02/2018  
Follow-up report No. 2: 11/02/2018  
Follow-up report No. 3: 11/02/2018  
Follow-up report No. 4: 02/02/2018

**New outbreaks (2)**

Outbreak 1: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	400	2	0	0	0

Affected population: After implementation of control measures no new cases detected in the village

Outbreak 2: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	300	3	0	0	0

Affected population: After implementation of control measures no new cases detected in the village

**Summary of outbreaks**

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	700	5	0	0	0

**Outbreak statistics**

Species	Apparent mortality rate	Apparent morbidity rate	Apparent case fatality rate	Proportion susceptible animals
Cattle	0.00%	0.00%	0.00%	100%

19/02/2018

www.oie.int/ahis\_23636.html.php?AccessionID=Report/2745

**oie** Lumpy skin disease, Georgia

Information received on 03/02/2018 from Dr Lasha Ananias, Head of Veterinary Department, Veterinary Department, National Food Agency, Tbilisi, Georgia

**Summary**

Report type: Follow-up report No. 1

Date of start of the event: 20/07/2018

Date of confirmation of the event: 03/02/2018

Report date: 03/02/2018

Date submitted to OIE: 03/02/2018

Date event occurred: 15/12/2018

Reason for notification: Recurrence of a listed disease

Date of previous occurrence: 20/07/2018

Notification of disease: Clinical disease

Causal agent: Lumpy skin disease virus

Reason of diagnosis: Laboratory (unknown)

This event pertains to: the whole country

**Related reports**

Immediate notification: 03/02/2018  
Follow-up report No. 1: 11/02/2018  
Follow-up report No. 2: 11/02/2018  
Follow-up report No. 3: 11/02/2018  
Follow-up report No. 4: 02/02/2018

**New outbreaks (2)**

Outbreak 1: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	400	2	0	0	0

Affected population: After implementation of control measures, no new cases have been detected in the village

Outbreak 2: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	300	3	0	0	0

Affected population: After implementation of control measures no new cases detected in the village

**Summary of outbreaks**

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	700	5	0	0	0

**Outbreak statistics**

Species	Apparent mortality rate	Apparent morbidity rate	Apparent case fatality rate	Proportion susceptible animals
Cattle	0.00%	0.00%	0.00%	100%

19/02/2018

www.oie.int/ahis\_23636.html.php?AccessionID=Report/2746

**oie** Lumpy skin disease, Georgia

Information received on 03/02/2018 from Dr Lasha Ananias, Head of Veterinary Department, Veterinary Department, National Food Agency, Tbilisi, Georgia

**Summary**

Report type: Follow-up report No. 2

Date of start of the event: 20/07/2018

Date of confirmation of the event: 03/02/2018

Report date: 03/02/2018

Date submitted to OIE: 03/02/2018

Date event occurred: 15/12/2018

Reason for notification: Recurrence of a listed disease

Date of previous occurrence: 20/07/2018

Notification of disease: Clinical disease

Causal agent: Lumpy skin disease virus

Reason of diagnosis: Laboratory (unknown)

This event pertains to: the whole country

**Related reports**

Immediate notification: 03/02/2018  
Follow-up report No. 1: 11/02/2018  
Follow-up report No. 2: 11/02/2018  
Follow-up report No. 3: 11/02/2018  
Follow-up report No. 4: 02/02/2018

**New outbreaks (2)**

Outbreak 1: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	400	2	0	0	0

Affected population: After implementation of control measures, no new cases have been detected in the village

Outbreak 2: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	300	3	0	0	0

Affected population: After implementation of control measures no new cases detected in the village

**Summary of outbreaks**

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	700	5	0	0	0

**Outbreak statistics**

Species	Apparent mortality rate	Apparent morbidity rate	Apparent case fatality rate	Proportion susceptible animals
Cattle	0.00%	0.00%	0.00%	100%

19/02/2018

www.oie.int/ahis\_23636.html.php?AccessionID=Report/2747

**oie** Lumpy skin disease, Georgia

Information received on 03/02/2018 from Dr Lasha Ananias, Head of Veterinary Department, Veterinary Department, National Food Agency, Tbilisi, Georgia

**Summary**

Report type: Follow-up report No. 3

Date of start of the event: 20/07/2018

Date of confirmation of the event: 03/02/2018

Report date: 03/02/2018

Date submitted to OIE: 03/02/2018

Date event occurred: 15/12/2018

Reason for notification: Recurrence of a listed disease

Date of previous occurrence: 20/07/2018

Notification of disease: Clinical disease

Causal agent: Lumpy skin disease virus

Reason of diagnosis: Laboratory (unknown)

This event pertains to: the whole country

**Related reports**

Immediate notification: 03/02/2018  
Follow-up report No. 1: 11/02/2018  
Follow-up report No. 2: 11/02/2018  
Follow-up report No. 3: 11/02/2018  
Follow-up report No. 4: 02/02/2018

**New outbreaks (2)**

Outbreak 1: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	400	2	0	0	0

Affected population: After implementation of control measures no new cases detected in the village

Outbreak 2: Adjara, Samegrelo, Guria, Samegrelo-Zavkheti

Date of start of the outbreak: 20/07/2018

Date of end of the outbreak: Pending (03/02/2018)

Outbreak status: Pending (03/02/2018)

Epidemiological stage: Village

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	300	3	0	0	0

Affected population: After implementation of control measures no new cases detected in the village

**Summary of outbreaks**

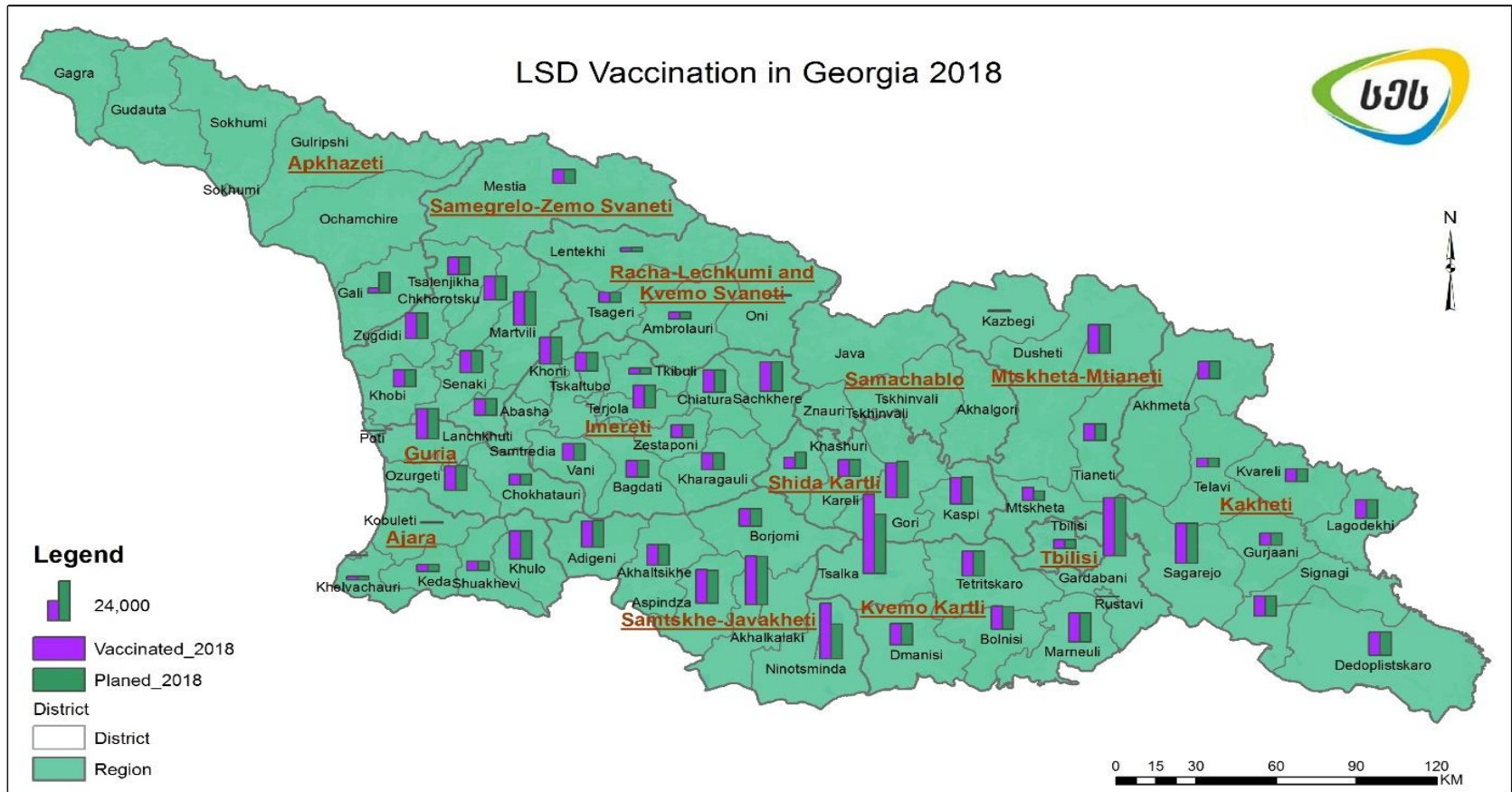
Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Cattle	700	5	0	0	0

**Outbreak statistics**

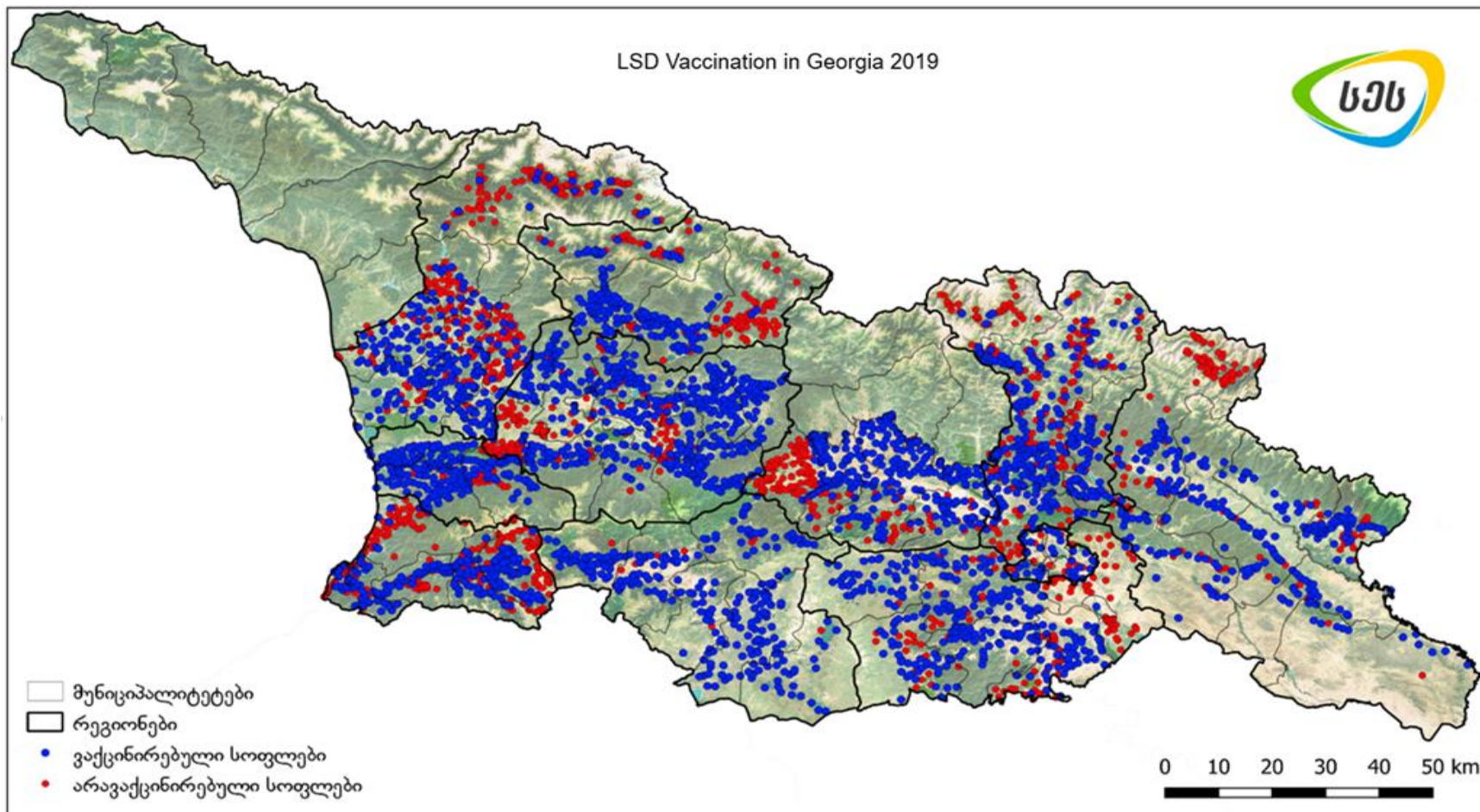
Species	Apparent mortality rate	Apparent morbidity rate	Apparent case fatality rate	Proportion susceptible animals
Cattle	0.00%	0.00%	0.00%	100%



# LSD Vaccination 2018



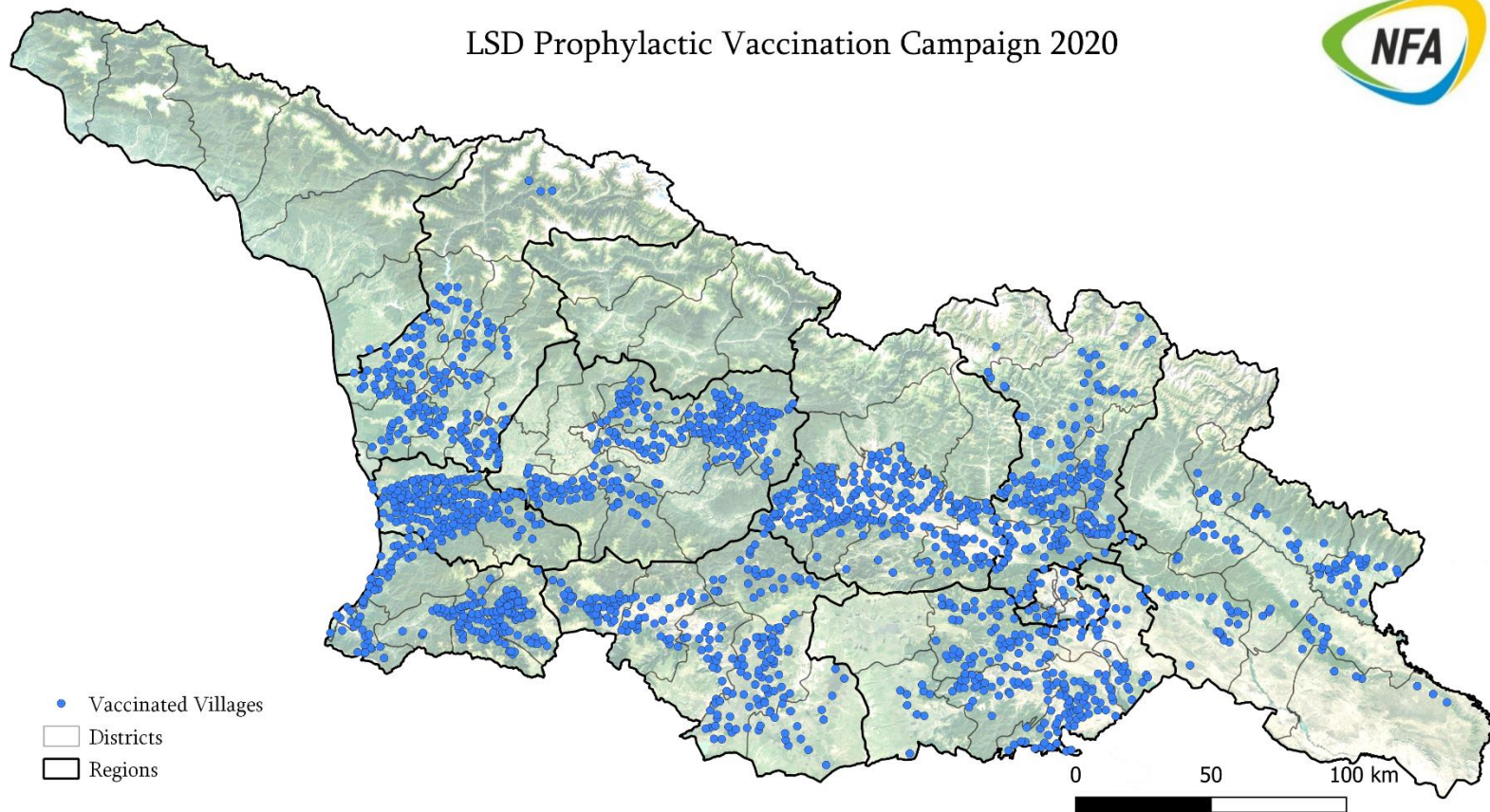
# LSD Vaccination 2019



# LSD Vaccination 2020



LSD Prophylactic Vaccination Campaign 2020



# Used vaccines in Georgia

**VE TAL POXVAC-L**

**Lumpy Skin Disease Vaccine for Cattle**

**Composition:**  
It is freeze dried live attenuated vaccine. Prepared from KSGP0240 for cattle. The vaccine contains not less than  $10^{3.5}$  TCID<sub>50</sub> per ml for cattle.

**Indication:**  
For active immunization of lumpy skin disease for cattle.

**Administration and Dosage:**  
Reconstitute the freeze dried vaccine in cool diluent (physiological saline). Shake the reconstituted vaccine thoroughly and inoculate subcutaneously. Duration of immunity is at least 12 months. No need for booster dose.

**Cattle** : 1 ml

**Side Effects:**  
Nil

**Precaution:**  
Observe the usual measure needed for precaution injections. Shake the bottle thoroughly after reconstitute and before use.


**Cautions:**  
Use the open the bottle of the vaccine within 2 hours. After completion of vaccination discard in an appropriate way all the empty bottles and the partially used content.

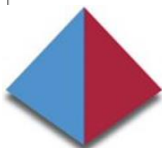
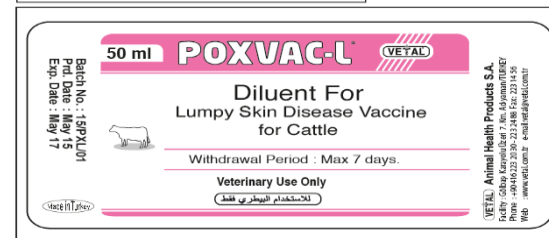
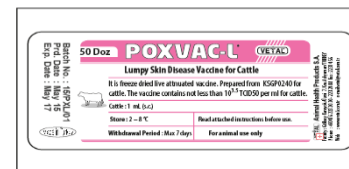
**Withdrawal Period :**  
Max 7 days.

**Storage:**  
Store at 2 – 8 °C, protect from the light.

**Presentation:**  
50, 100 and 200 doses + diluent.

**VE TAL** Animal Health Products S.A.  
 Factory : Gölbaşı Karayolu Üzeri 7. Km. Adıyaman/TURKEY  
 Phone : +90 416 223 20 30 - 223 24 68  
 Fax : +90 416 223 14 56  
 e-mail : vetal@vetal.com.tr  
 Web : www.vetal.com.tr





# Used vaccines in Georgia



## LUMPY SKIN DISEASE VACCINE FOR CATTLE

For animal use only

Reg. No. G 0110 (Act 36/1947) Namibia: NSR 0584

Freeze-dried, live attenuated virus (Neethling strain) for the prophylactic immunisation of cattle against lumpy skin disease.

Store the vaccine in a refrigerator at 4 °C to 8 °C. Do not use after the expiry date printed on the bottle.

### RECOMMENDATIONS FOR USE

Calves from vaccinated cows should be vaccinated at 6 months of age. An annual booster vaccination should be given. Calves from unvaccinated cows may be vaccinated at any age. If possible all animals should be vaccinated during spring.

### WARNINGS

Do not slaughter cattle for human consumption within 7 days of vaccination. Vaccinate healthy animals only. Keep out of reach of children, uninformed persons and animals. Although this product has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

### DIRECTIONS FOR USE

Use only as directed. Sterilise syringes and needles by boiling in water for at least 15 minutes. Do not use disinfectants or methylated spirits for sterilising either needles or syringes. The active ingredient of the vaccine is in the form of a powder or pellet in a small bottle. By means of a sterile syringe transfer approximately 5 ml of sterile diluent to the bottle containing the freeze-dried vaccine. Mix until all the powder is dissolved and then transfer this suspension back to the remaining sterile diluent and again mix well by means of the sterile syringe. The vaccine is now ready for use and must be injected without delay. Keep the vaccine cool and avoid exposure to direct sunlight and high temperatures during inoculation. Shake the bottle well before filling the syringe.

### DOSAGE:

Cattle: 2 ml subcutaneously

### EFFECTS OF THE VACCINE

Some cattle may develop a swelling at the site of injection from about the fourth day onward. These swellings may be very large but will disappear in time leaving no after effects. Immunity starts to develop about 10 days after immunisation and animals should be fully protected after 3 weeks. However, the vaccine does not necessarily confer absolute immunity to all animals. A temporary decrease in milk production may occur. A small percentage of cattle are naturally immune to lumpy skin disease virus and do not develop antibodies following vaccination. When this occurs in cows, there is no colostral antibody production and the calves of these cows may be at risk from an early age.

### PACKING

Available in bottles of 25 and 50 doses.

Registration holder:  
Onderstepoort Biological Products SOC Ltd, Co. Reg. No. 2000/022686/06  
P

Tel: +27 (0) 12 522 1500, Fax: +27 (0) 12 522 1591

Made in South Africa

Edition 4

P2223



Standing Group of Experts on Lumpy Skin Disease in SE Europe under the GF-TADs umbrella - 10 Feb 2022

# Lumpy Skin Disease

- LSD surveillance has not been conducted;
- LSD outbreak has not been reported since 2018;
- LSD vaccination in 2021 has been conducted in 64 District in 246 000 Animals;
- LSD vaccination in 2022 has been conducted in 25 District in 63 786 Animals;
- Passive surveillance is in place;



## Lumpy Skin Disease – 2023 plans

- **LSD Vaccination:**
  - No vaccination is planned for 2023; According to the control program, only 100,000 doses of vaccines are considered to be in stock.
- **LSD surveillance (active):** *“Not Applicable”*



# Thank you for your attention

