

# GF-TADs

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



Food and Agriculture  
Organization of the  
United Nations



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

**SGE LSD 11**

**10 February 2022**

***[ Mongolia ]***

**Country Update**

# Lumpy Skin Disease – Background information

- **LSD occurrence :**

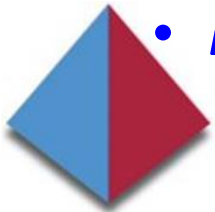
- *LSD outbreak has been diagnosed in Mongolia on 26 August 2022 first time.*
- *Control measures are taken place (movement control, disinfection, culling and public awareness etc)*

- **LSD Vaccination:**

- *No vaccination against LSD*
- *Emergency use sheep pox vaccine were used in 2021*

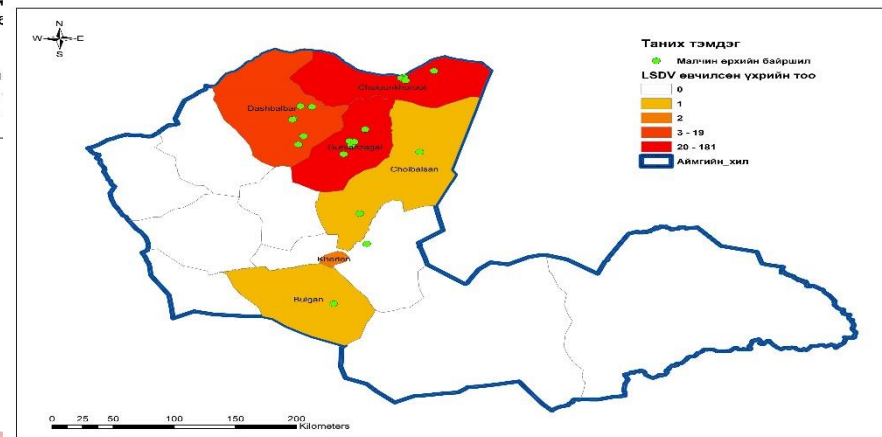
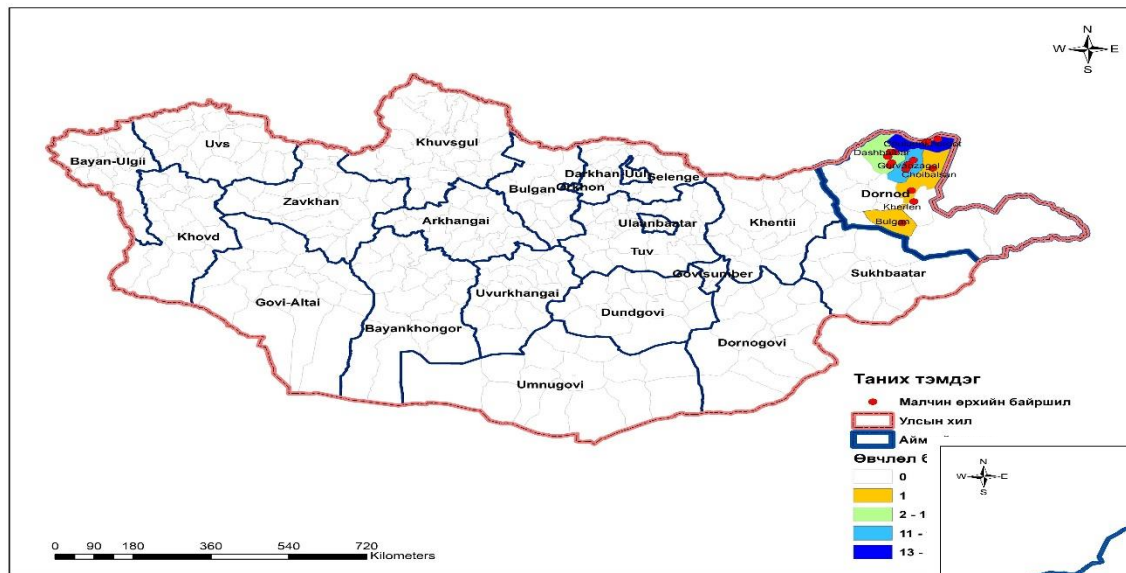
- **LSD surveillance (active):**

- *No active surveillance in the past*
- *LSD surveillance will be conducted from now on (2022)*



# Lumpy Skin Disease – 2021 - Occurrence

- *LSD was diagnosed first time in Mongolia on 26 Aug 2022*
- *Control measures are taken place (movement control, disinfection, culling and public awareness etc)*



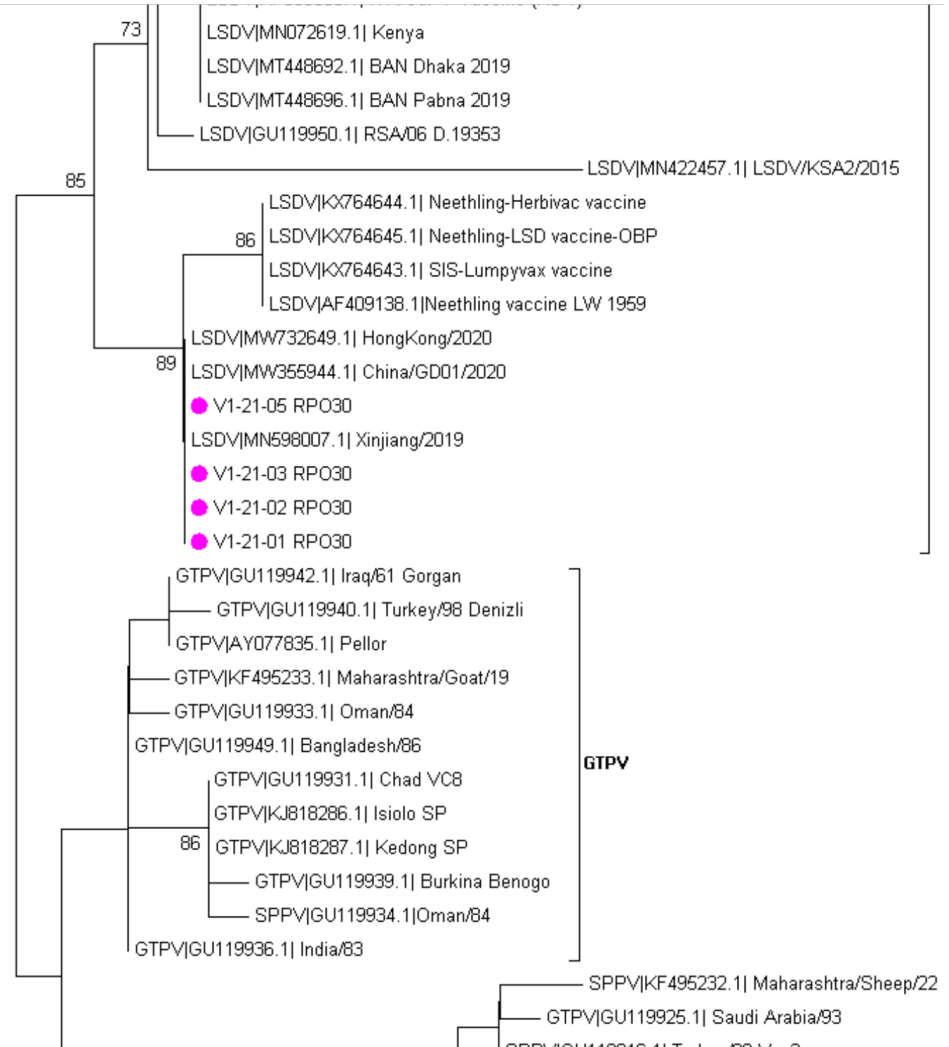
# Epidemiology Report

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<b>Report number:</b>	ER004/21
<b>Date sample received:</b>	13/09/2021
<b>Test(s) Requested:</b>	Capripoxvirus sequencing
<b>Sender:</b>	State Central Veterinary Laboratory, P.O. Box 53/03, Zaisan, Ulaanbaatar-17024, Mongolia

Samples selected for phylogenetic analysis:				
Sample ID	Date collected	Sender Ref	Location	Species
V1/21 01	25/08/2021	LSD/MOG/21/01		Bovine
V1/21 02	25/08/2021	LSD/MOG/21/02		Bovine
V1/21 03	25/08/2021	LSD/MOG/21/03		Bovine
V1/21 05	28/08/2021	LSD/MOG/21/05		Bovine

Details of the phylogenetic analysis performed for the Capripoxvirus RPO30 gene:			
Sequencing start date:	Material used:	Tissue (Skin nodule)	
15/10/2021			
Gene sequenced:	RPO30 GPCR	Primers used:	CpRPO30-OL1F CpRPO30-OL1R CpRPO30-OL2F CpRPO30-OL2R CpGPCR-OL1F CpGPCR-OL1R CpGPCR-OL2F



# Lumpy Skin Disease – 2021 - Occurrence



Clinical symptoms of LSD in Mongolia

# Lumpy Skin Disease – 2021 - Vaccination

- **Total 4.73 million cattle in Mongolia by the end 2022**
- **180 thousand cattle were vaccinated**
- **Sheep pox vaccine (homologous/ heterologous...)**
- **Emergency vaccination was applied around outbreak zone and protection zone**
- **Vaccination applied in specific area where outbreaks occurred**



## Lumpy Skin Disease – 2021 - Surveillance

- *All provincial veterinary departments are obliged to conduct clinical examination and observation*
- *Public awareness materials been distributed to herders/ farmers*
- *Eastern part of country, active surveillance campaign has been started*



# Lumpy Skin Disease – 2022 plans

- **LSD Vaccination:**

- *Vaccination campaign for all cattle in the eastern provinces*
- *All cattle will be vaccinated (around 1.2 million)*
- *To establish immunity wall between provinces*

- **LSD surveillance (active):**

- *Active surveillance will be conducted in the eastern part of the country*

- **Other LSD measures :**

- *Need to develop vaccine production*
- *How to control migration of fly?*
- *Neethling vaccine strain?*
- *Public awareness and accountability of stakeholders*

