



World Organisation
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Ministry of Agriculture
Indonesia

Lumpy skin disease (LSD)

An update on LSD situation and its control

Country name: INDONESIA

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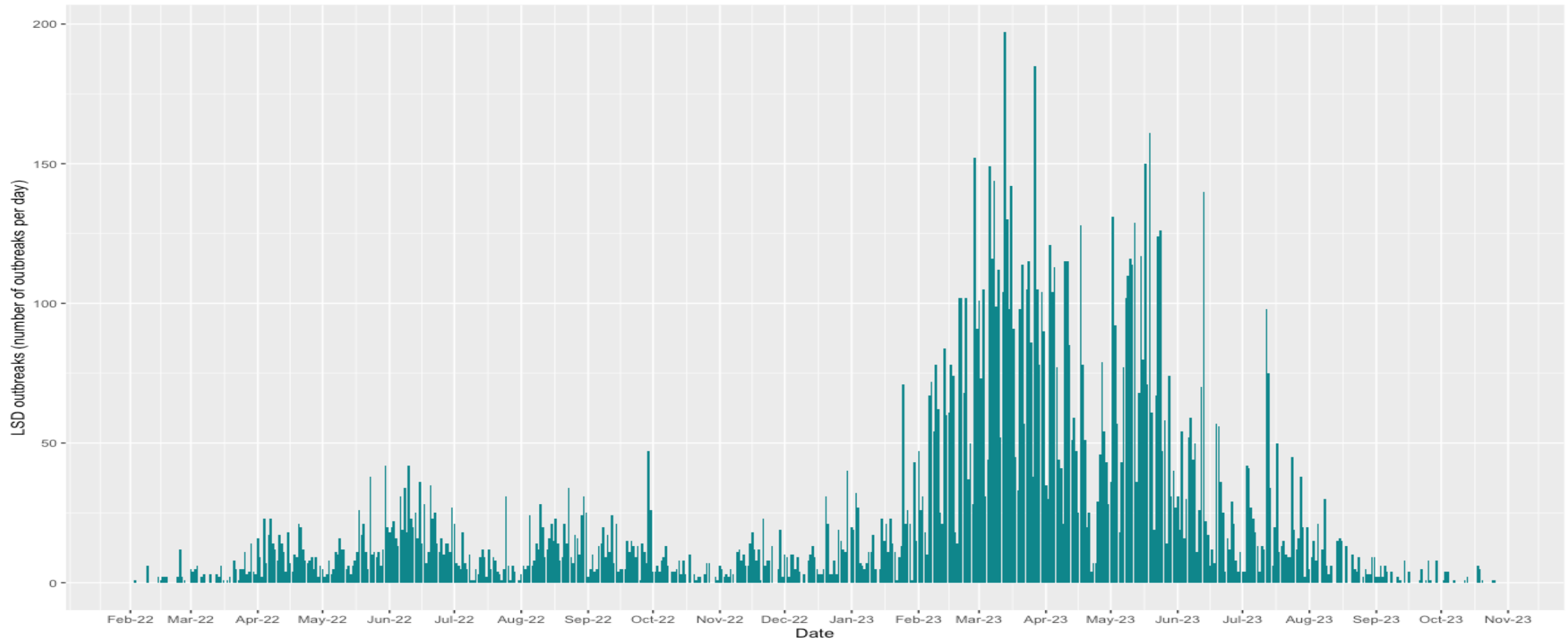
Position : Veterinary officer

Affiliation : Directorate of Animal Health, DGLAHS,
Ministry of Agriculture, Indonesia

Fourth LSD Coordination Meeting for South-East Asia
28 – 29 November 2023, Bangkok, Thailand

LSD Situation

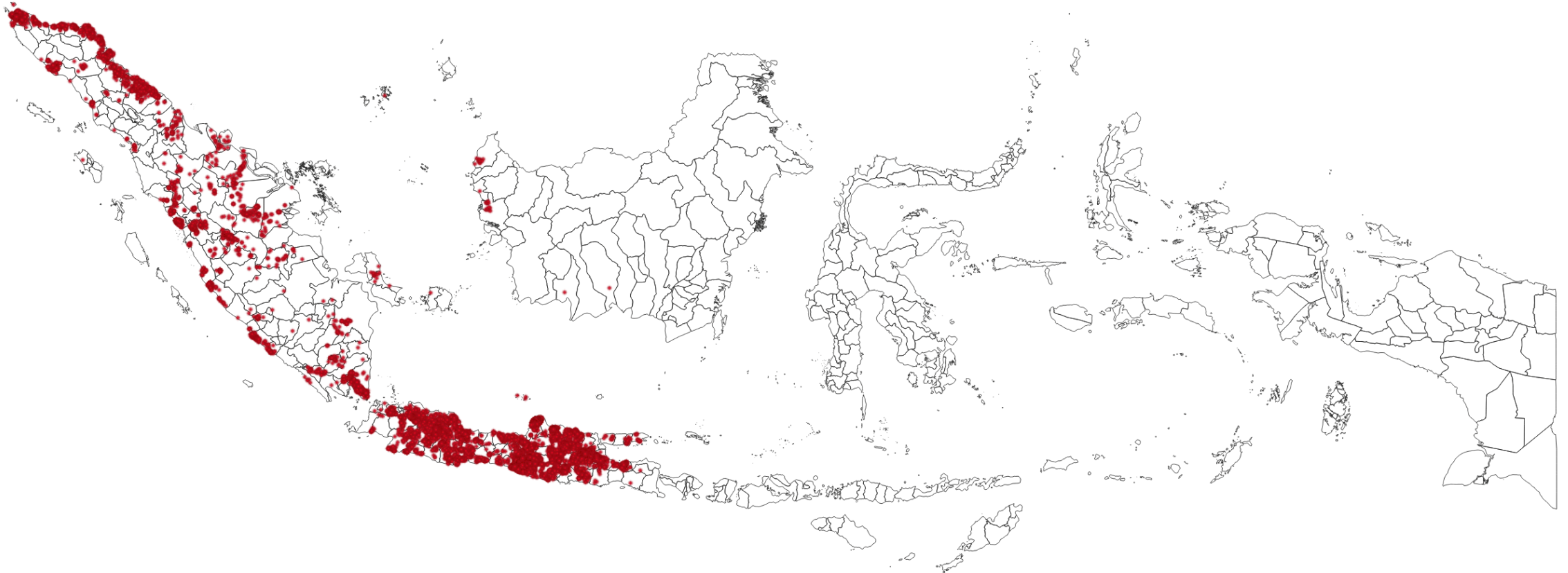
- Temporal distribution of LSD event by day



Data: iSIKHNAS, 16/11/2023

LSD Situation

- Spatial distribution of LSD case



Data: iSIKHNAS, 16/11/2023

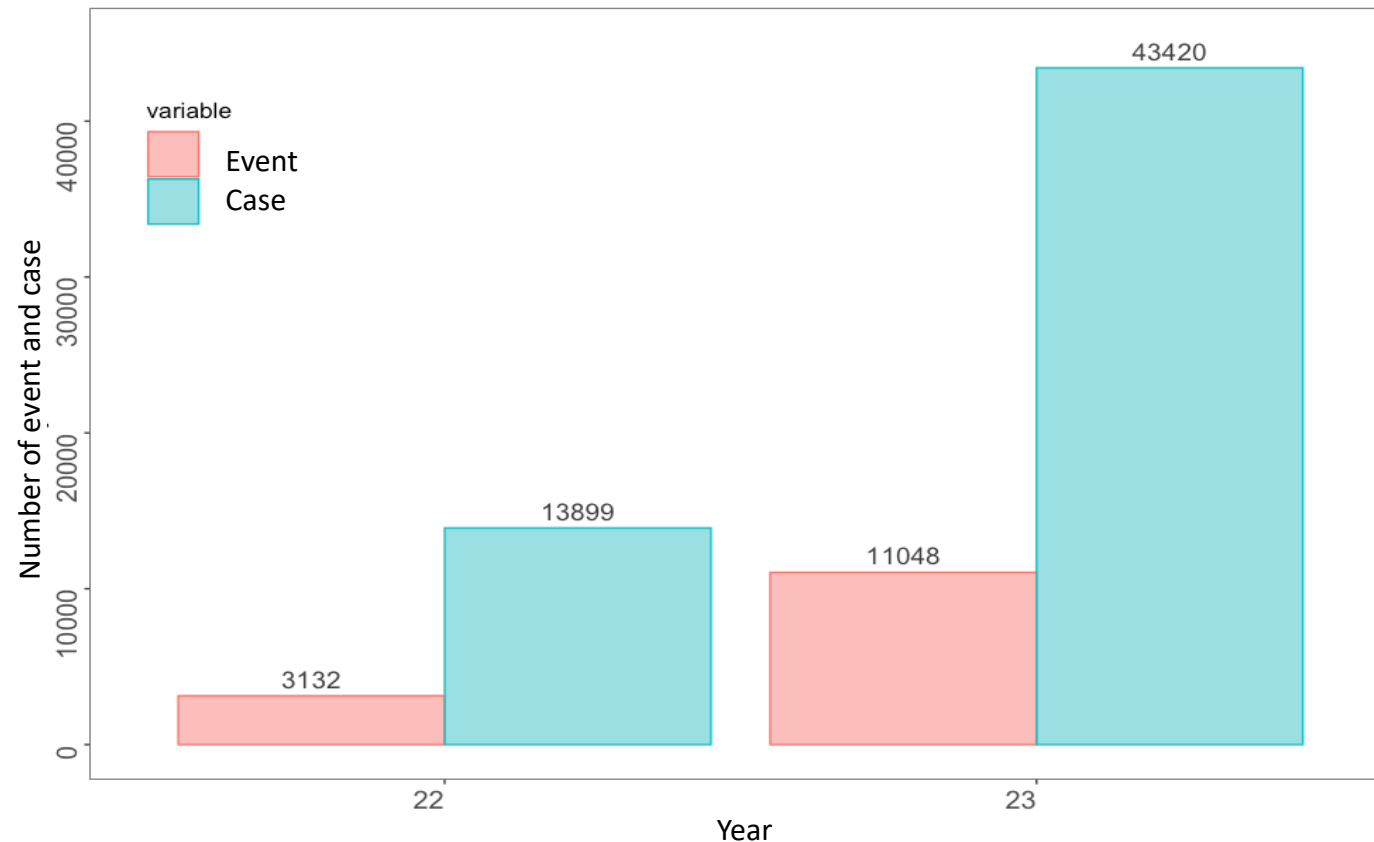


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LSD Situation

- Total number of outbreaks reported/ Number of provinces/ States affected

Province	District	Sub District	Village	Event	Case
18	210	1,425	4,776	14,180	57,319



- First detection on February 2022 in Riau Province
- Total number of event 2022: 3,132
- Total number of case 2022: 13,899
- Total number of event in 2023: 11,048
- Total number of case in 2023: 43,420

Data: iSIKHNAS, 16/11/2023



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LSD Situation

- Number/ species of animals affected by 16 November 2023



Cattle
57,295 head



Buffalo
24 head

Data: iSIKHNAS, 16/11/2023



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LSD Situation

- Circulating virus types (confirmed by which Laboratory)
→ LSD virus, confirmed by 8 Disease Investigation Center

LSD Prevention and Control activities

Vaccination

- Total number of vaccination in period 2022-19 November 2023: 561,493 dose

Brand name	Vaccine type	Source
Mevac, Kemin	Homologous Attenuated Neethling strain virrus	Egypt
Lumpyvac, Intervet	Homologous Attenuated Neethling strain virrus	South Africa

- No local production of LSD vaccine



LSD Prevention and Control activities

- **Surveillance**
 - Clinical, syndromic surveillance, media surveillance
- **Biosecurity**
 - Mostly implemented in breeding center and large-scale farming
- **Movement control**
 - Local (farm or village) movement control, check point, and quarantine station
 - Controlling livestock market in the beginning of outbreak
- **Vector control**
 - Using chemical and traditional (smoking)



LSD Prevention and Control activities

- **Stamping out**
 - Not implemented
- **Legislation**
 - Ministerial decree on LSD outbreak
 - Circular letter on LSD prevention and control
- **Awareness and risk communication**
 - Awareness activity on farm and village level, via social media, webinar for farmers, field officers and diagnostic labs



Main challenges and recommended solution

Main challenges	Recommended solution
Extensive animal farming system	Improving the Field officers' capacity in handling animals Using portable fence
Animal movement control	Identification high risk areas for more effective border control
Limited number of officers	Engaging other institutions
High workload on controlling other diseases (FMD, Jembrana, Brucellosis, HS, Rabies)	Combining control measures for some endemic diseases
Issue on negative side effect on vaccination	Education, Administration of multivitamins prior to vaccination and treatment





THANK YOU



4th LSD Coordination Meeting
28 – 29 November 2023, Bangkok, Thailand