



World Organisation
for Animal Health
Founded as OIE

Lumpy skin disease (LSD)

An update on LSD situation and its control

Country name: INDONESIA

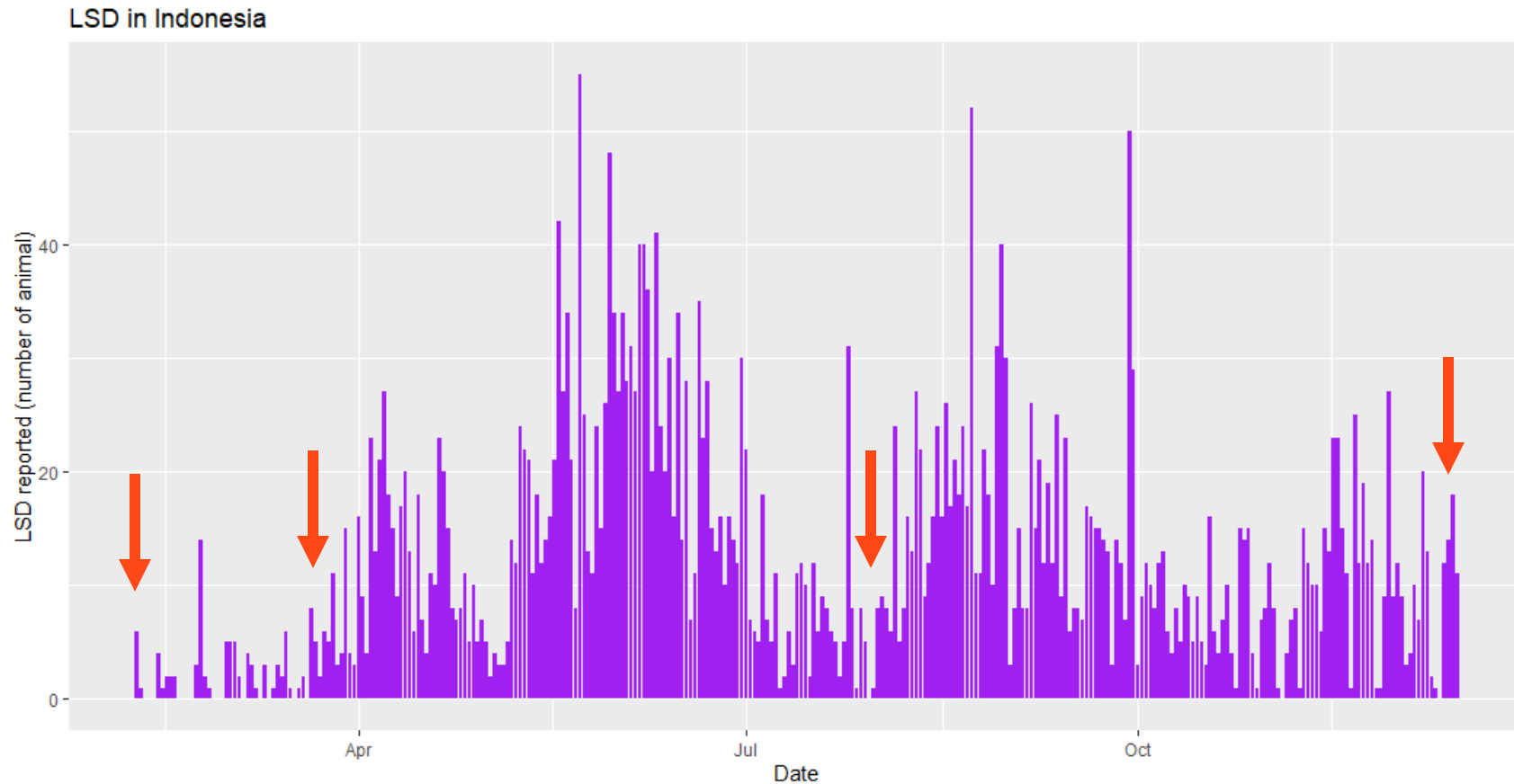
Name of Presenter: Yuni Yupiana

Position: Veterinary officer

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

Virtual LSD Update Meeting for South-East Asia
16 December 2022, 2.00 to 4.30 PM (Bangkok time)

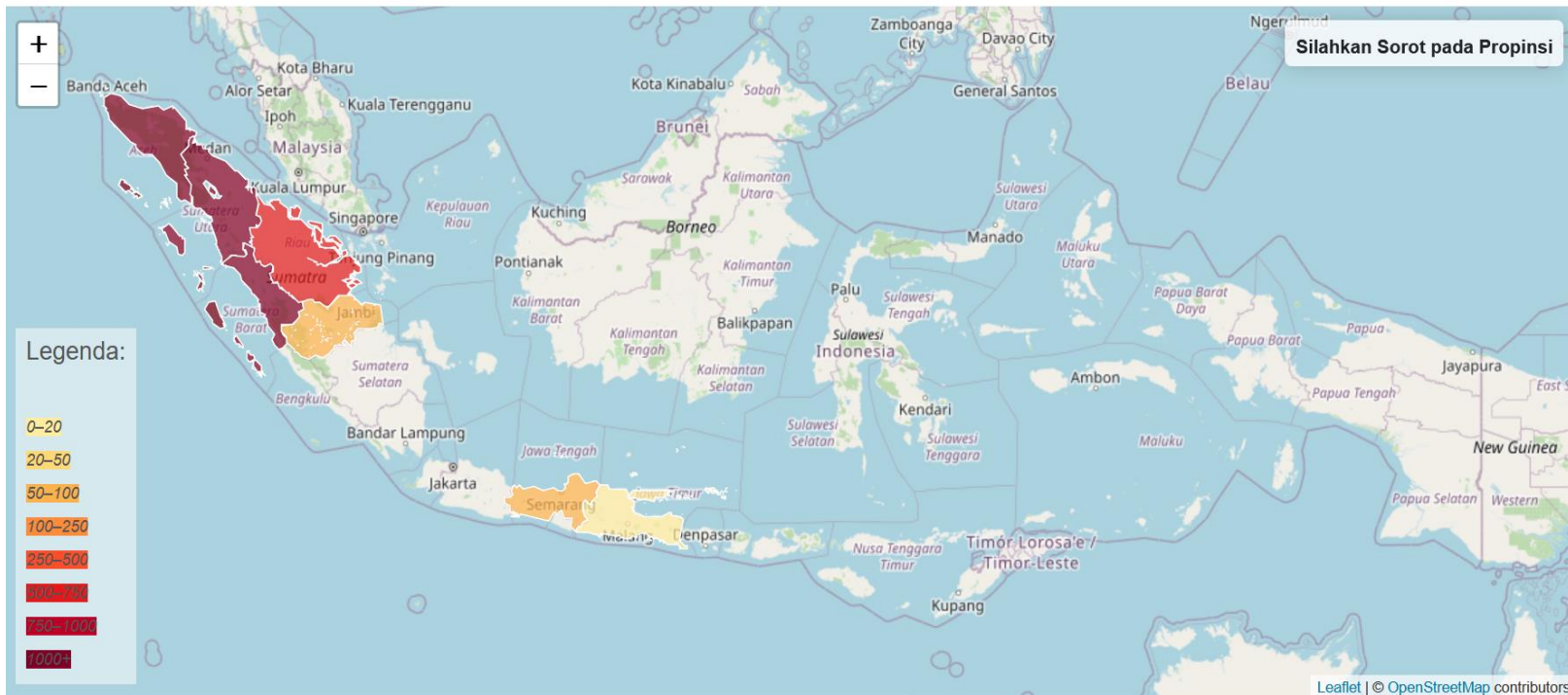
LSD Situation: Temporal Distribution



- February: Riau
- March and April: West Sumatera, Jambi and Aceh, North Sumatera
- August: Central Java
- December: East Java

LSD Situation : Spatial Distribution

Cattle: 16.782 (99.9%)
Buffalo: 13 (0.1%)



PROVINCE	CASES	NUMBER OF ANIMALS
Aceh	1610	5223
Bengkulu	18	28
Jambi	74	165
Jawa Barat	2	36
Jawa Tengah	87	271
Jawa Timur	2	5
Riau	282	663
Sumatera Barat	802	2239
Sumatera Selatan	7	47
Sumatera Utara	901	8118
Grand Total	3785	16795

- Data source: iSIKHNAS validation report, 16 December 2022

LSD Situation

- Nine national government laboratory has a capacity to diagnose LSD



Control Measures - Vaccination

Brand name	Vaccine type	Source	Total doses
Mevac, Kemin	Homologous Attenuated Neethling strain virus	Egypt	142,500
Lumpyvac, Intervet	Homologous Attenuated Neethling strain virus	South Africa	292,500

- No local production of LSD vaccine

Control Measures - Vaccination

- Animal types vaccinated
 - Cattle 134.933
 - Buffalo: 1.905
- Coverage: conducted in some areas (24 – 33% seroconversion)
- No outbreak in vaccinated animals but several LSD cases occurred in vaccinated animals .
- Adverse reaction: vary across districts from no adverse reaction reported to 1.5%

Control Measures – Others

- Surveillance
 - Clinical and syndromic surveillance
- Biosecurity
 - Mostly implemented in breeding center and large-scale farming
- Movement control
 - Local (farm or village) movement control, check point, and quarantine station
- Vector control
 - Using chemical and traditional (smoking)

Control Measures – Others

- Stamping out
 - Not conducted
- Legislation
 - Ministerial decree on LSD outbreak
 - Circular letter on LSD prevention and control
- Awareness and risk communication
 - Awareness activities via social media, brochures, webinars general communities and farmers
 - Training for field officers and diagnostic labs

Main challenges and recommended solution

Main challenges	Recommended solution
Extensive animal farming system	Field officers' capacity in handling animals
Animal movement control	Identification high risk areas for more effective border control
Limited number of officers	Engaging other institutions for
High workload for FMD (vaccination, animal identification) and other endemic diseases control (example: Jembrana disease vaccination)	Combining control measures for some endemic diseases

Thank You



26 Mar 2022 11:33:43
Jalan Tanpa Nama
Aliantan
Kecamatan Kabun
Kabupaten Rokan Hulu
Riau
Index number: 598