



World Organisation
for Animal Health
Founded as OIE



Lumpy skin disease (LSD)

An update on LSD situation and its control

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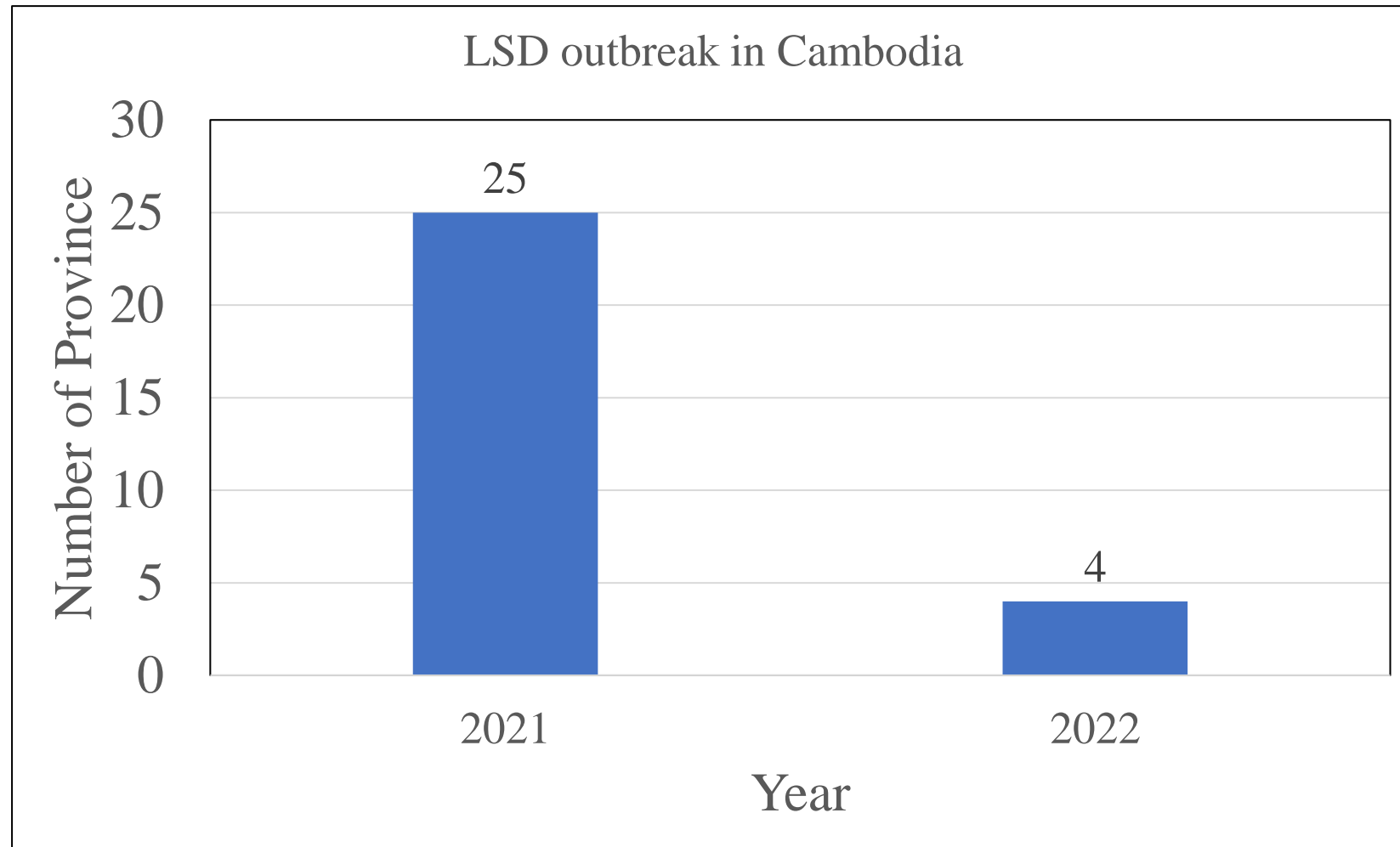
Position: Deputy Director of Department

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

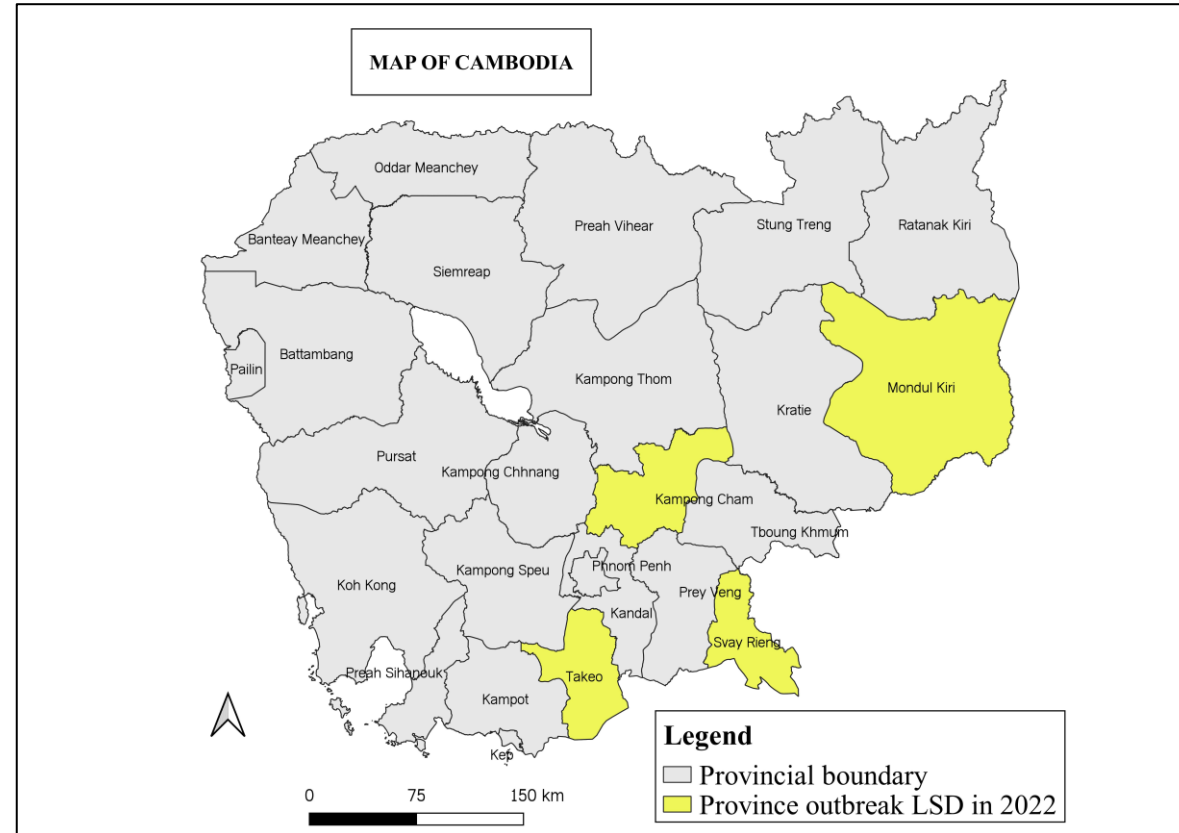
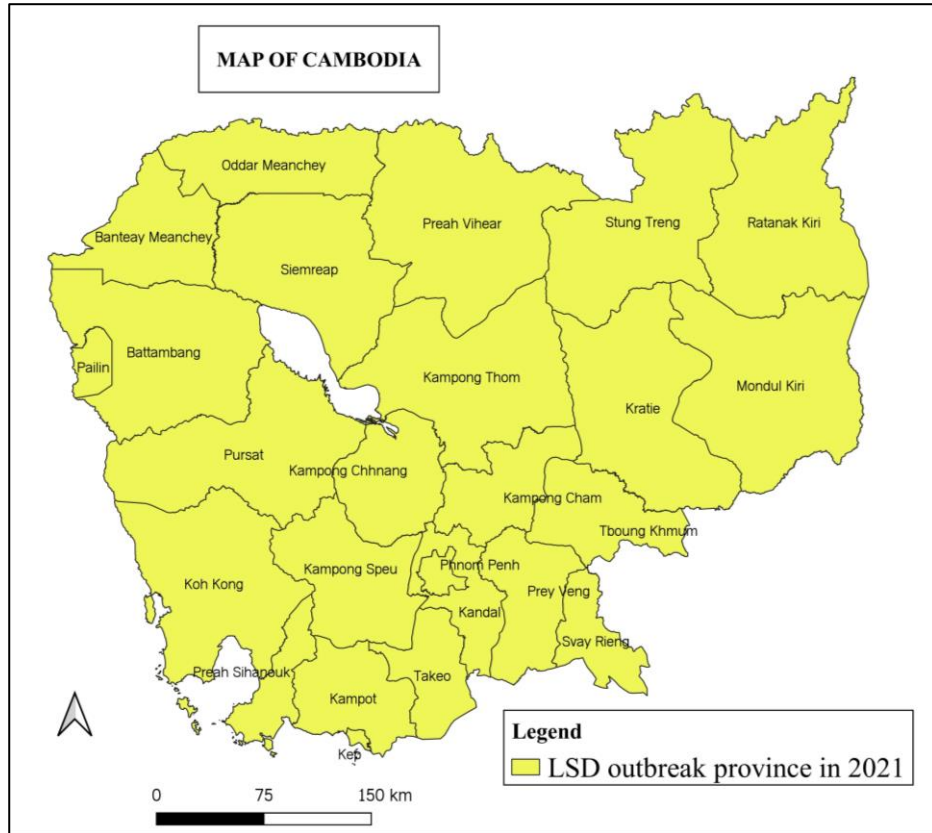
LSD Situation

- Temporal distribution – graphs



LSD Situation

- Spatial distribution on maps



LSD Situation

There were cattle and Buffaloes affected by LSD in 2021

Name of province	Suceptible animal	Sick	Death	Mortality	Fatality
Banteay Meanchey	27554	1095	40	0.15%	4%
Battambang	193172	5712	37	0.02%	1%
Kampong Cham	213735	19933	178	0.08%	1%
Kampong Chhnang	8746	3719	33	0.38%	1%
Kampong Speu	108153	8137	88	0.08%	1.08%
Kampong Thom	215700	6784	23	0.01%	0.34%
Kampot	30165	1483	34	0.11%	2.29%
Kandal	51346	3480	61	0.12%	1.75%
Koh Kong	232	33	0	0.00%	0.00%
Kratie	42582	5303	138	0.32%	2.60%
Mondul Kiri	921	28	0	0.00%	0.00%
Phnom Penh	6054	547	12	0.20%	2.19%
Preah Vihear	2666	849	19	0.71%	2.24%
Prey Veng	7035	657	9	0.13%	1.37%
Pursat	1764	569	9	0.51%	1.58%



LSD Situation

There were cattle and Buffaloes affected by LSD in 2021 (Cont)

Name of province	Suceptible animal	Sick	Death	Mortality	Fatality
Ratanak Kiri	1054	280	2	0.19%	0.71%
Siemreap	2071	726	3	0.14%	0.41%
Preah Sihanouk	203	89	2	0.99%	2.25%
Stung Treng	15679	126	1	0.01%	0.79%
Svay Rieng	6857	2136	18	0.26%	0.84%
Takeo	282376	8074	253	0.09%	3.13%
Oddar Meanchey	2587	586	5	0.19%	0.85%
Kep	15609	162	5	0.03%	3.09%
Pailin	2332	664	5	0.21%	0.75%
Tboung Khmum	116014	8509	99	0.09%	1.16%
Total	1354607	79681	1074	0.08%	1.35%



LSD Prevention and Control activities

- There were three type of vaccine use so far
 - Lumpyvac
 - MEVAC LSD
 - Goat pox vaccine live (not yet register)



Year	2021	2022	2023 (Oct)
Cattle and Buffalo	21891	127042	147984
Cattle	NA	125875	147152
Buffaloes	NA	1167	832

LSD Prevention and Control activities

- **Disease control**

- Surveillance
- Animal movement control
- Vector control (Mosquito net, joss stick...)
- Bio-security practice
- Treatment (secondary infection...)
- Awareness raising
- Disease outbreak investigation (source of starting point...)

- **Legislation**

- Law on animal health and production
- Directive.....



Main challenges and recommended solution

Main challenges

- Limited number of LSD vaccine
- Limited knowledge on disease control and prevention on LSD among farmers.
- Weak SPS enforcement and cross-border controls.

Recommended solution

- Strong advocate of policy makers to allocate budget for buying the LSD vaccine
- Conduct awareness raising on disease control and prevention to backyard farmers.
- Strengthen animal movement control and law on animal health and production.





THANK YOU



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