



World Organisation  
for Animal Health  
Founded as OIE



Australian Government  
Department of Agriculture,  
Fisheries and Forestry

# Lumpy skin disease (LSD)

## An update on Preparedness for LSD incursion

**Country name:** Australia

Name of Presenter: Dr Jennifer Davis

Position: Principal Veterinary Officer

Affiliation: Department of Agriculture, Fisheries and Forestry

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

**Australia is FREE from  
lumpy skin disease**

**Freedom maintained by robust  
Biosecurity system**

# Contingency planning and response



## Australian Veterinary Emergency Plan (AUSVETPLAN)

- Nationally-agreed approach for the response to EAD incidents in Australia
- LSD response policy updated and published August 2022
- Policy is to eradicate LSD in the shortest possible time, while minimising social, economic, animal welfare and environmental impacts, using *stamping out* with or without *vaccination*.



## EADRA

- Nationally agreed arrangements for cost sharing of compensation



# Lumpy Skin Disease confirmed in Sumatra, raising alert for Australia

Dr Ross Ainsworth, 03/03/2022

The Indonesian government last night signed off on an Emergency Declaration following confirmation that Lumpy Skin Disease (LSD) has been identified in Sumatra, increasing the risk of the disease entering Australia.

The international animal health agency (OIE) is also being notified.

Lumpy skin disease is a viral disease of cattle and buffalo that can cause painful skin lesions, fever, watery eyes, loss of appetite, and a



## Lumpy skin disease found in Indonesia, putting northern biosecurity on high alert

ABC Rural / By Daniel Fitzgerald  
Posted Fri 4 Mar 2022 at 3:04pm



Indonesia has confirmed the detection of lumpy skin disease in Sumatra.

# Lumpy skin disease could reach Australia before foot and mouth disease, with fears the threat is going unnoticed

Landline / By national rural reporter Kath Sullivan

Posted Sat 3 Sep 2022 at 7:03am

Expert analysis has warned that lumpy skin disease (LSD) is almost three times more likely to arrive in Australia compared to foot-and-mouth disease but getting barely any national attention compared to the latter.

The Northern Territory's chief vet Sue Fitzpatrick said some scientists believe an LSD outbreak in Australia is inevitable.

"There are other experts that believe that lumpy skin disease, given the patterns of spread around the world will er timeline for that is unknown, it could be 10 years away," Dr Fitz

## Australia's first national lumpy skin disease action plan launched

Beef Central, 14/10/2022

Countryman Livestock

# Lumpy skin disease now closer to Australia after detection in Central Java

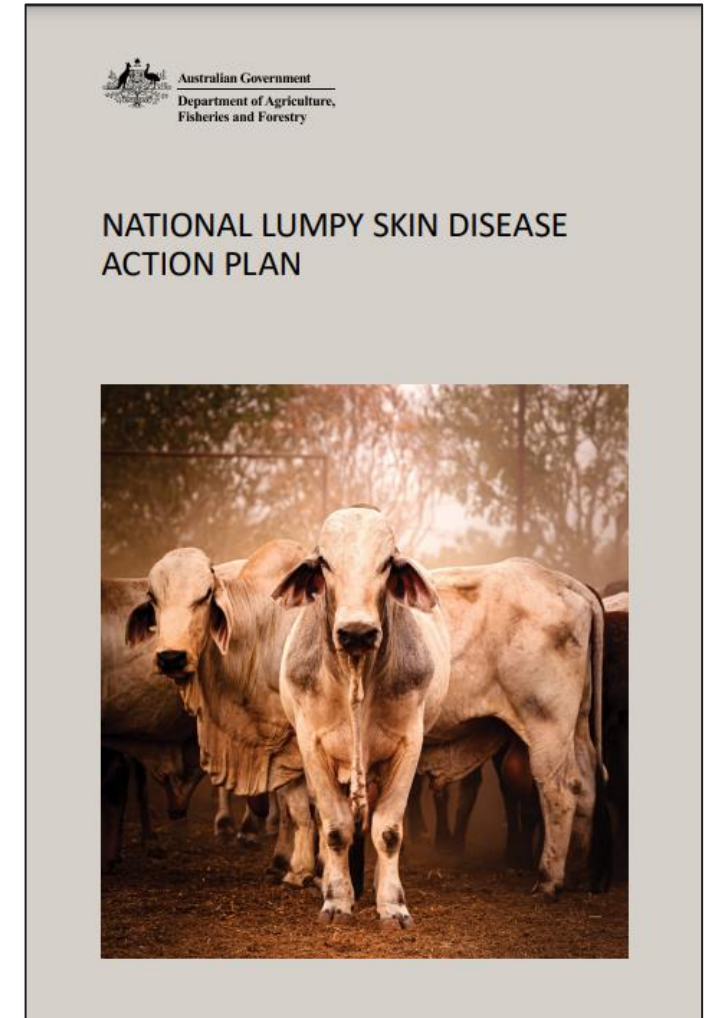


Adam Poulsen | Countryman  
Sat, 12 November 2022 2:00PM

Adam Poulsen



# National lumpy skin disease Action Plan



[agriculture.gov.au/sites/default/files/documents/lsd-national-action-plan.pdf](https://agriculture.gov.au/sites/default/files/documents/lsd-national-action-plan.pdf)



## International engagement



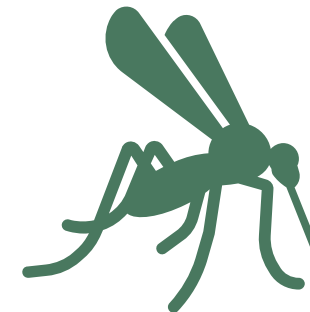
## Preparedness and response



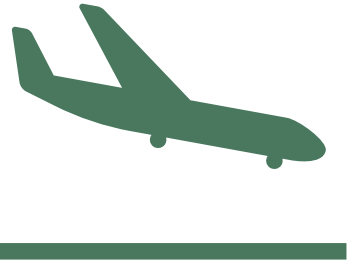
### Support for near neighbours



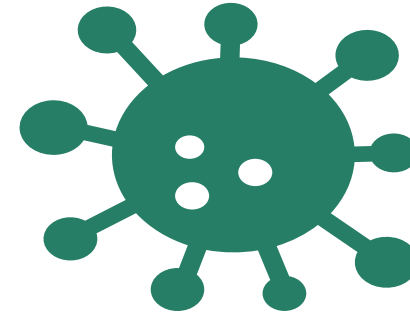
### Vaccine



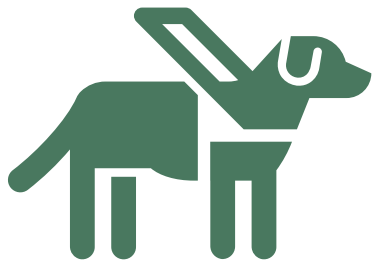
### Vectors/Modelling



**Enhanced communications on flights**



**Live virus research at national  
laboratory/CSIRO**



**Relocating detector dogs to key airports**



**New vaccines?**

# Main challenges and recommended solution

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## Main challenges

- **The EAD threats to Australia are changing**
- **The “unknowns”**
  - **Incomplete knowledge of vectors and vector control strategies**
  - **Disease spread**
  - **Effectiveness of containment strategies**

## Recommended solution

- **Building resilient systems**
- **Intelligence gathering and foresight techniques**
- **Investment in research and innovation**
- **Modelling to predict disease spread and test containment and vaccination strategies**







# THANK YOU

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4<sup>th</sup> LSD Coordination Meeting  
28 – 29 November 2023, Bangkok, Thailand