



World Organisation  
for Animal Health  
Founded as OIE



The 15<sup>th</sup> Meeting of the Upper Mekong Working Group on Foot and Mouth Disease  
Zoning and Animal Movement Management  
24–26 April 2024, Luangnamtha, Lao PDR.

# Trading patterns neighbouring countries, and potential for trade

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# General information

- Lao PDR is Land locked countries, around by 5 countries
- There are 18 provinces
- Currently, there are more than 27 international Animal check points, included 4 airport check points
- There is 1 animal diseases control zone to promoted big ruminant trade between Lao and China

# 1. Organisational Structure

MAF consists of 12 departments, Two Institutes and Centers

Ministry of Agriculture and Forestry (MAF)

Department of Livestock and Fisheries (DLF)

DLF consists of 6 divisions and four centers

Div. of Administrative and planning (DAP)

Div. of Standard and Sanitary (DSS)

Div. of Veterinary services (DVS)

Div. of Livestock (DoL)

Div. of Fisheries (DoF)

Central level

Div. of Livestock and Aquatic Product Mgt

National Animal Health Lab.

Veterinary Drug Prod. Center

Animal Feed Analysis Lab.

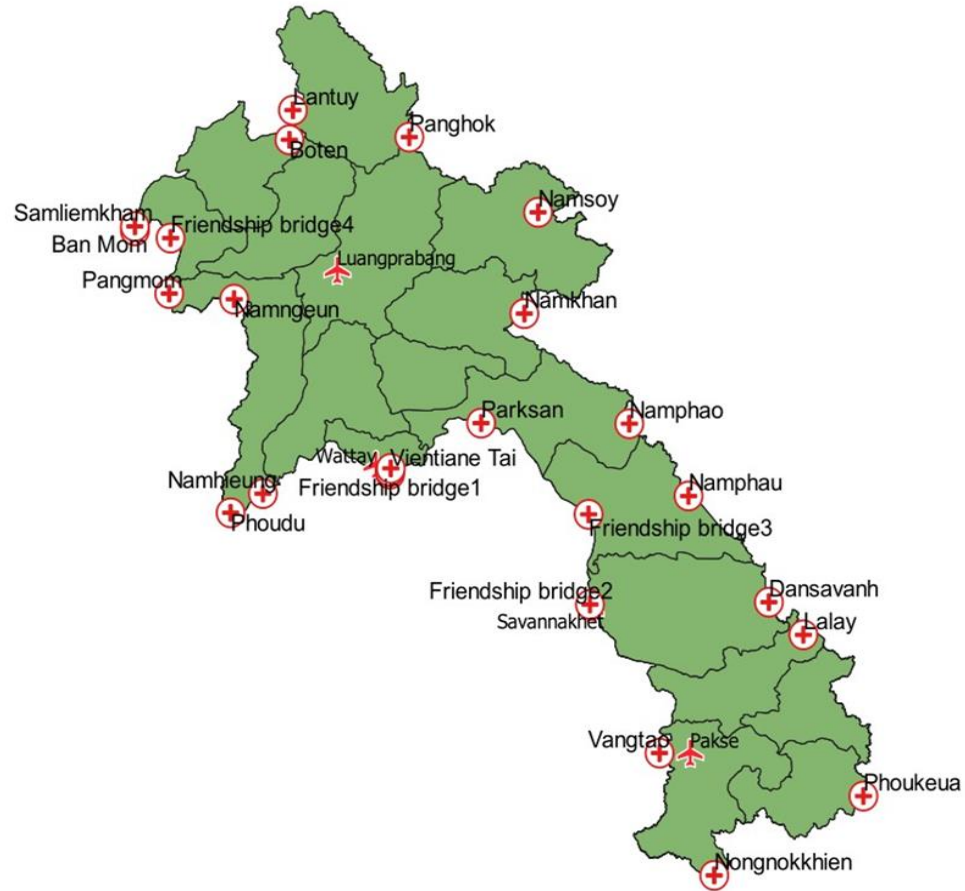
National Fishery Dev. Center

Provincial Livestock and Fishery Section (PLFS)

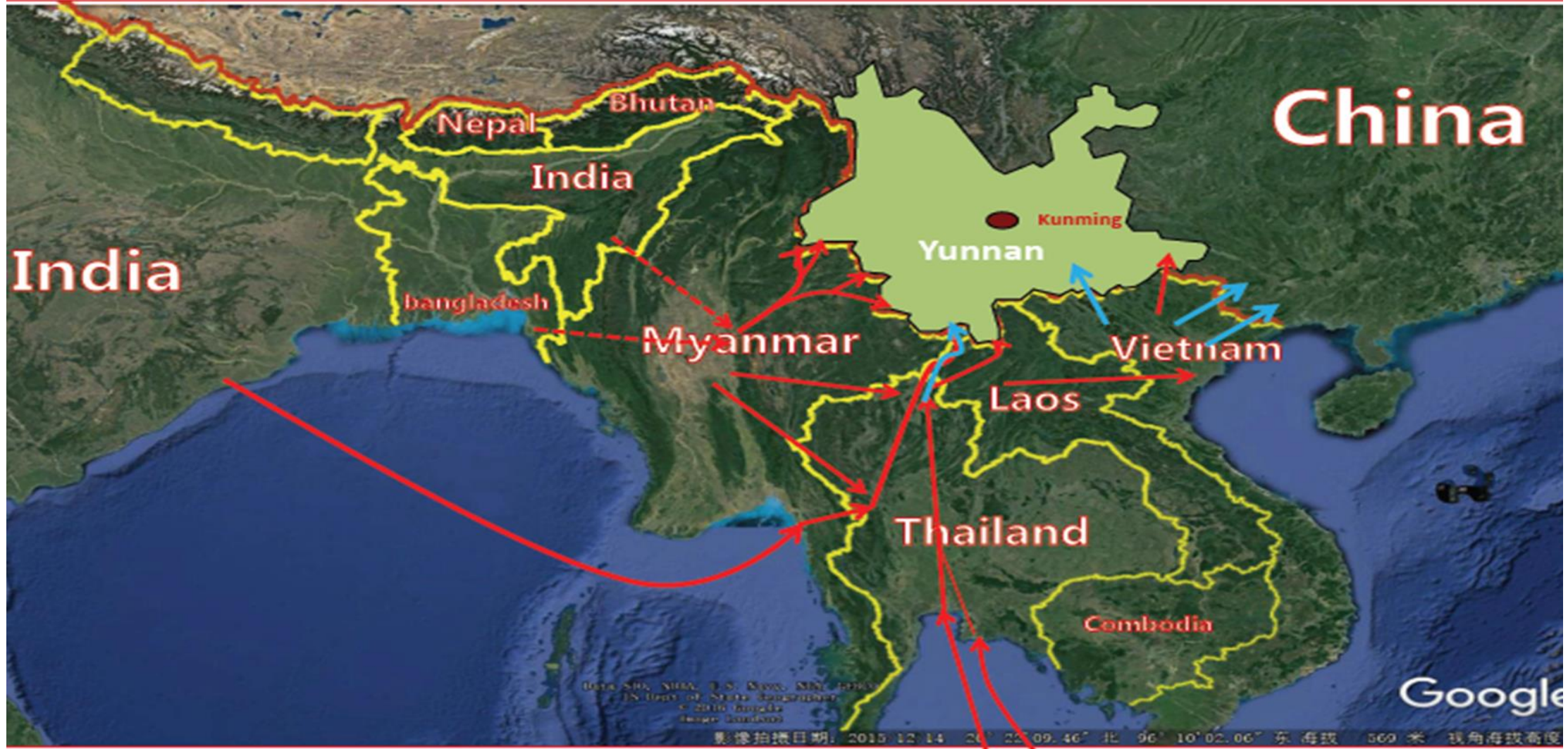
District Livestock and Fishery Unit (DLFU)

Village Veterinary Workers (VWW)

# Animal Check points at the border and airport



# Animal movement pattern through Lao



Cattle and Buffalo



Pig



Fattened cattle from non GMS countries by sea

# Legislation relating with the TADs Prevention and Control

- ❑ Livestock Production and Veterinary law revising (11.11.2016);
- ❑ Decree on Animal Disease Control (2012);
- ❑ Decree on Animal and Animal Commodities Movement Control (2012);
- ❑ MAF Decision of Role and Duty of Vet Inspection (2012);
- ❑ MAF Decision of Slaughterhouse and Meat Inspection (2011),...
- ❑ National FMD Control Plan of Lao PDR, that has been endorsed by the Ministry of Agriculture and Forestry (2015).
- ❑ DLF Decision and Announcement,...
- ❑ Decree on committee Establishment

# Requirement for Import, export or transit

- Import, Export or transit request document
- Personal or company documents(ID, business doc..)
- Health certificate and Lab results
- Request
- Invoice
- Quarantine doc
- Vaccination certificate

# 9. Animal Quarantine and Export

- The government of Laos and China signed the agreement on exportation of live cattle from Laos to China.
- FMD free zone through vaccination has been established in Sing District, Luangnamtha province.



# Laboratory capacity

- 2 laboratory building in Vientiane capital and 1 in Luangnamtha
- Centre laboratory can test for NSP, LPB ELISA and RT-PCR for **virus isolation**
- **About 7 staffs in the center and 5 in Luangnamtha**

# Disease Control Zone for Big Ruminants Trade between Lao-China

# ເງື່ອນໄຂ ແລະ ຂັ້ນຕອນ ດ້ານສຸຂານາໄມໃນການ ສົ່ງສັດໃຫຍ່ ບະເພດ ງົວ ຄວາຍ ໄປ ສປ ຈີນ

Illustration The Model Of Yunnan Transboundary Animal Health Management

进境屠宰用肉牛 “3+3” 管理模式图



1. ກວດກາຢູ່ເຂດທ້ອນໂຮມສັດ
2. ເຂດກັ່ນຊົນ
3. ກວດກາຢູ່ສະຖານທີ່ກັກກັນສັດ

1. ກວດກາຢູ່ດ້ານ
2. ກວດກາຢູ່ສະຖານທີ່ກັກກັນສັດ
3. ກວດກາຢູ່ໂຮງງານເຊົ່າສັດ





## Activities in Collection zone

- 1) At least 45 days stayed in
- 2) Ear tagging
- 3) 2 vaccinations for FMD and LSD
- 4) Routine Health Examination
- 5) Sample collection ຂຶ້ນທະບຽນພິມສັດ,

## Activities in buffer zone

- 1) Ear tagging
- 2) 2 vaccinations for FMD and LSD a year
- 3) Post vaccination 2 time a year

## Activities in Quarantine Station

- 1) At least 30 days stayed in
- 2) Ear tag checking
- 3) Routine Health Examination
- 4) 10% of Blood sample collection from export cattle to test for herd immunity after 2 vaccinations from collection zone
- 5) 30 sentinel animal(cattle) with non FMD immunity positive, NSP checking every 3 months



# Communication and awareness

- Farmers communication before vaccination campaign LNT
- Virtual meeting with Farmers and Traders on communication about Agreement Lao-China big ruminants trade



# Animal Quarantine and Vaccination Training

- **Veterinary Authority Training**  
50 participants attended:  
DLF 7 people  
PAFO 11 people(LNT)  
DAFO 32 people(LNT)
- **Farmers, Trader and Village Veterinary Worker(VVW)**  
Farmer 28 people  
Trader 31 people  
VVW 31 people

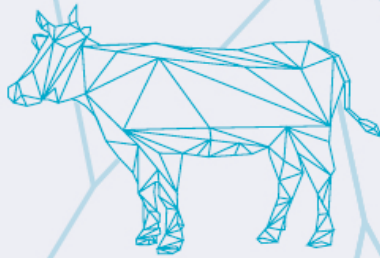
# Imported FMD Vaccine

二维码18\*18 出血3mm\*3mm 98\*45 批号：9.5\*20



[Approval number] SYSZ050157519

**Veterinary use**



## Foot and Mouth Disease Trivalent Vaccine, Inactivated (Strain O/MYA98/BY/2010+Strain Asia 1/JSL/ZK/06+Strain Re-A/WH/09)

**[Effect and Purpose]** Used to prevent foot-and-mouth disease Type O, Type Asia 1 and Type A for cattle, sheep.

**[Application and dosage]** 1ml per cattle or 0.5ml per sheep with intramuscular injection.

**[Storage and shelf life]** Store between 2 to 8°C, the period of validity is 12 months.

Postcode: 010111

Tel: 0471-6537846 0471-6537864 (Fax)

Address: No. 1, Jinyu Street, Shaerqin Industrial Park, Economic and Technological Development Zone, Hohhot, Inner Mongolia, China

Manufacturer: Jinyu Baoling Bio-pharmaceutical Co., Ltd

**For Export Only**  
100ml/bottle



Use on Veterinary  
Prescription Orders

Batch No.:  
Expiry date:

 Jinyu Baoling Bio-pharmaceutical Co., Ltd

# FMD vaccination in Loungnamtha

Districts	Animal statistics			Animals vaccinated			% of
	Cattle	Buffalo	Sub-total	Cattle	Buffalo	Sub-total	Vaccination
Louangnamtha	7,094	874	7,968	6,458	750	7,208	90.46
Sing	9,777	2,739	12,516	9,489	2,795	12,284	98.15
Long	7,019	1,417	8,436	6,397	1,184	7,581	89.86
Viengphoukha	11,153	2,220	13,373	9,345	1,899	11,244	84.08
Nalae	5,357	4,364	9,721	5,180	4,036	9,216	94.81
<b>Total/Average</b>	40,400	11,614	52,014	36,869	10,664	47,533	91.47

# Some Pictures from Current Vaccination in LNT



# Challenges in FMD control and recommended solution to address these challenges

- Illegal movement and trade still occur
- Lack of funding and equipment for field operational works
- Delay or under-reporting.
- Free range production system, low Improve public awareness, implement biosecurity practices.
- Animal and Animal products movement control-both in country & cross border

# Way Forward – Future activities

- Continue to conduct vaccination campaign in the FMD control Area(LNT), other provinces and some hot spot areas
- Scheduled Post vaccination monitoring In FMD control Area(LNT),
- Strengthen targeted surveillance at FMD control Area(LNT), border check point, airports, farms
- Explore public–private partnership, national and international coordination and collaboration opportunities in FMD control and preparedness.
- Increase capacity in laboratory to support trade





# First lot of Cattle Exportation from Lao PDR to China



Thank You Very Much

ຂອບໃຈຫຼາຍໆ