

COUNTRY REPORT FROM LAO PDR

Regional Workshop on Swine Disease Diagnosis
Beijing, P. R. China, 30 – 31 Oct 2019



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Basic information

- *(Brief background of pig population and national lab system/network)*
- Pig production can be divided into system namely commercial and backyard
- Pigs are part of the household insurance system
- Backyard pig are free range scavenging in upland and remote rural areas

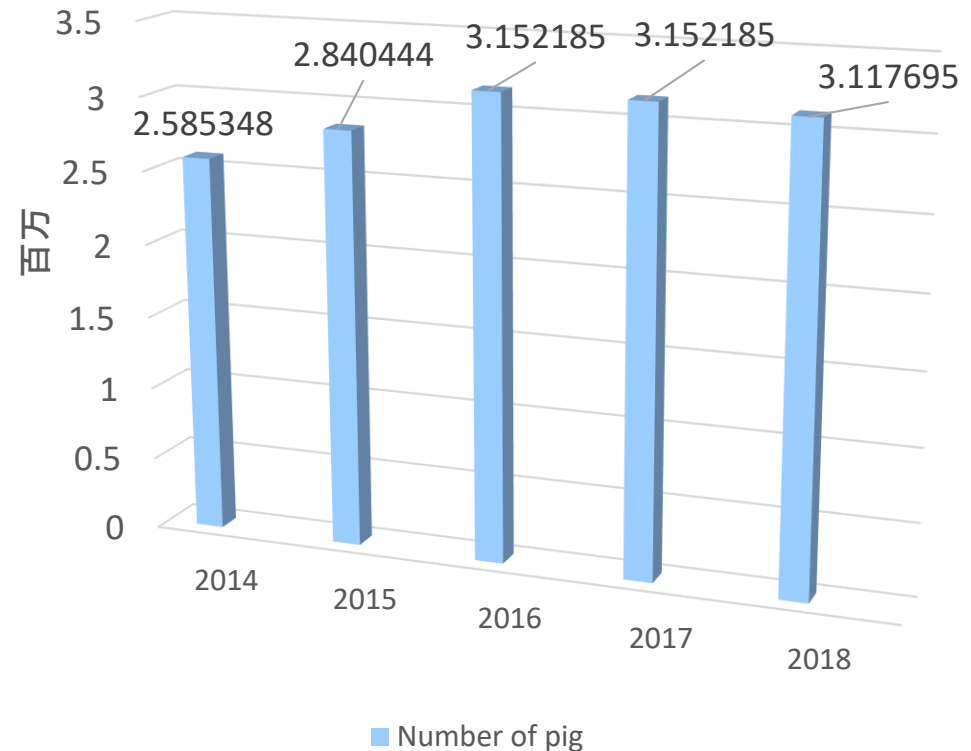


Basic information



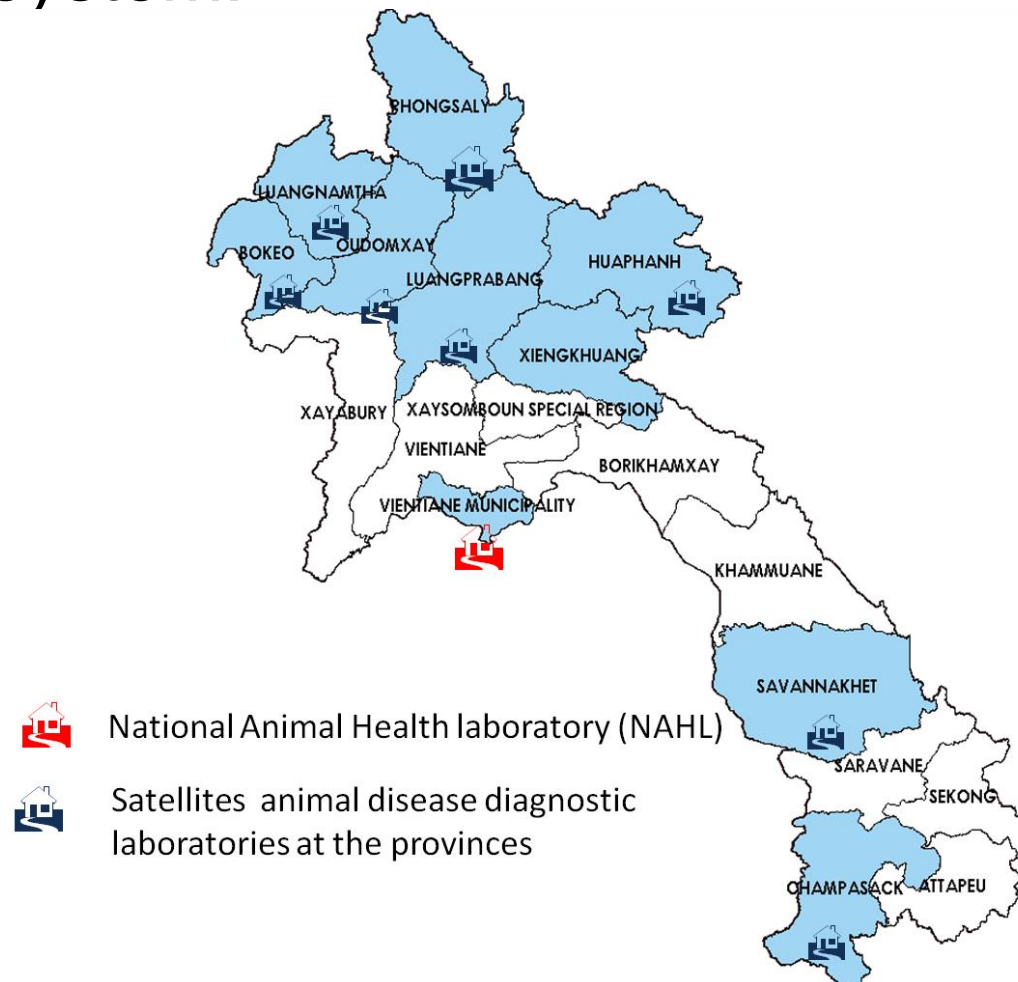
- There are also commercial pig farms in the big town to supply demand on pork for the consumers

Record of pig population from 2014-2018



Basic information

Laboratory system:



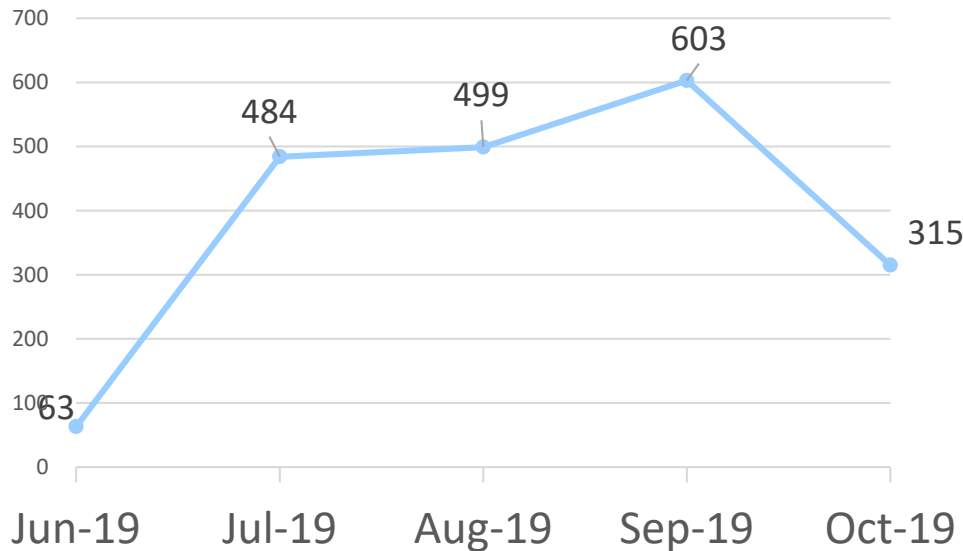
Updates on disease situation



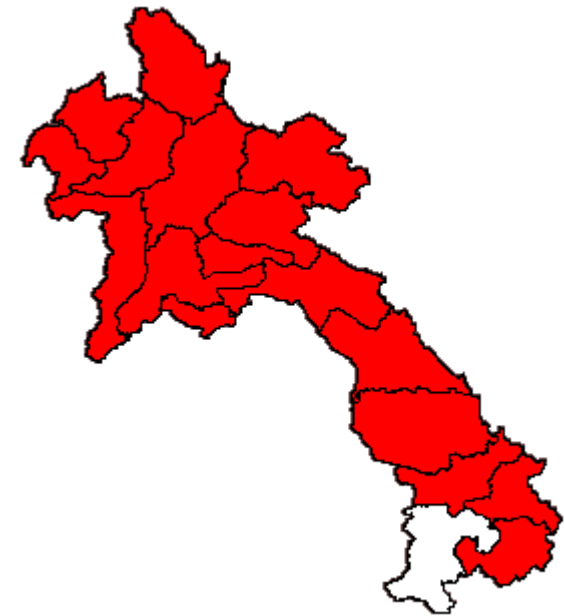
- *include ASF, CSF, FMD, PRRS, PED (and other swine disease considered as priority disease) outbreaks and cases in pigs and important epidemiological information including spatial and temporal distribution*
- ❑ Recently no cases CSF, FMD, PRRS and PED are reported
- ❑ African Swine Fever virus found positive tested in pig in the country
 - ❖ *Date of start of the event: 02/06/2019*
 - ❖ *Date of first confirmation of the event: 17/06/2019*
 - ❖ *Report date of the event to OIE : 20/06/2019*

Updates on disease situation

Number of positive tested samples for ASF (n: 1,964 samples)



Map showing ASF positive tested



ASF IN LAOS (ASF n_{total} / Field)



Swine diseases diagnosis

□ *Diagnostic capacity:*

- ❖ *Real-Time PCR*
- ❖ *FAT*
- ❖ *Serology (ELISA)*
- ❖ *Bacterial culture*

□ **Tests for main swine diseases**

- ❖ **PRRS, CSF, ASF, FMD**

What worked well



- *Please share your experience on swine diseases diagnosis and lesson learned (E.g., effort to improve diagnosis capacity the and lab preparedness)*
 - SOP for specific test
 - Test reagents and consumables available
 - Lab. staffs are well trained and proactive
 - Lesson learnt sharing

Challenges and possible solution



- *Main limitations encountered in implementation apart from financial*
 - ❑ Lack of human resources
 - ❑ Frequent turnover of staff
 - ❑ Complexity and time consuming of procurement of reagents and consumable system

- ❑ Possible solutions
 - ❖ *New staffs get trained properly and conduct routine work*
 - ❖ *Be well prepared beforehand to take response timely manner to ensure quick and reliable lab. test results*

Thank you



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