



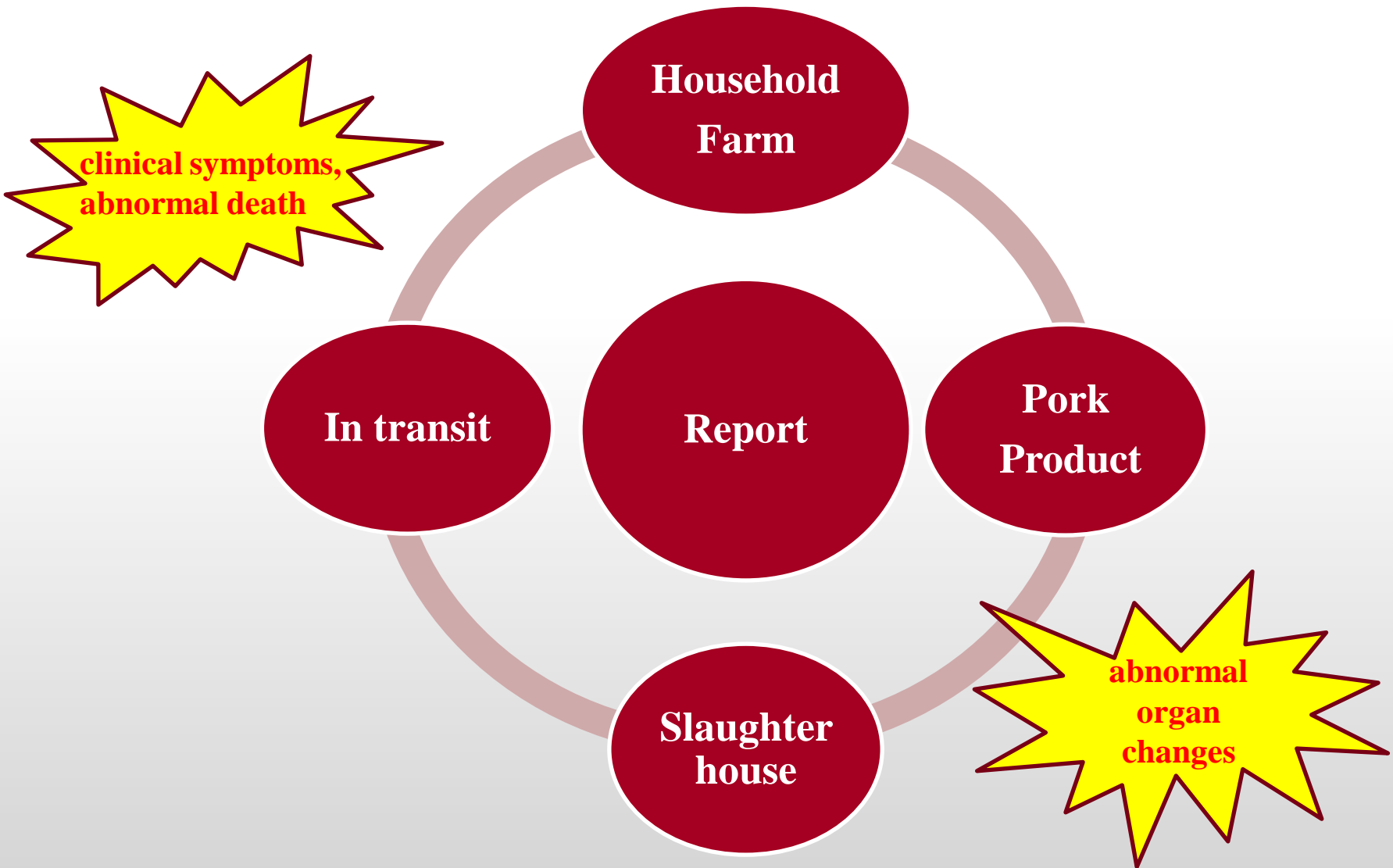
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Early Detection and Emergency Response of African swine fever

Response/ immediate action for ASF

Early Detection of ASF

Passive Report



➤ Household/farm: --*breed part*

- Active reporting: pig, wild boar abnormal death
- Self-testing :◎Scale farm, breeding farm + financial support
◎Household :veterinary social service agencies
- Training : raise awareness of epidemic prevention
- Compensation: 1200¥/pig

➤ Hotline for public report and supervision



Screening of swine farms

- Why: Early detection of ASF
- Who: Village Veterinary
- Where: Swine farms
- When: Every day(outbreak response time)
- What: Observation of the clinical signs and inventory volume.

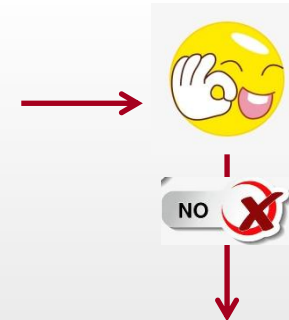
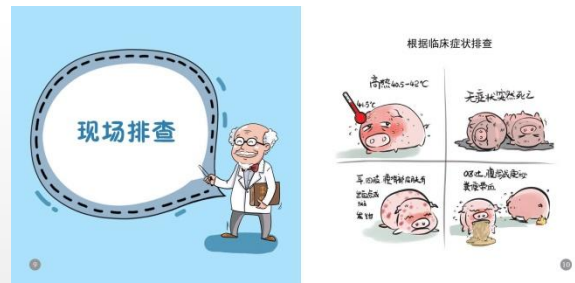


Response: If any abnormal phenomenon were detected, reporting and sampling work need to be conducted as soon as possible.

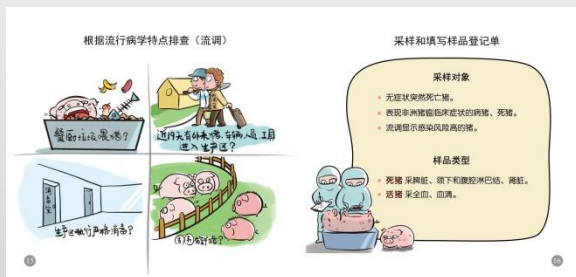
Screening of swine farms



Preparing and wearing protection suits



Observation of the clinical symptoms



Epidemiological survey

Observation of the Pathological changes

Sampling of tissue and blood

Active surveillance

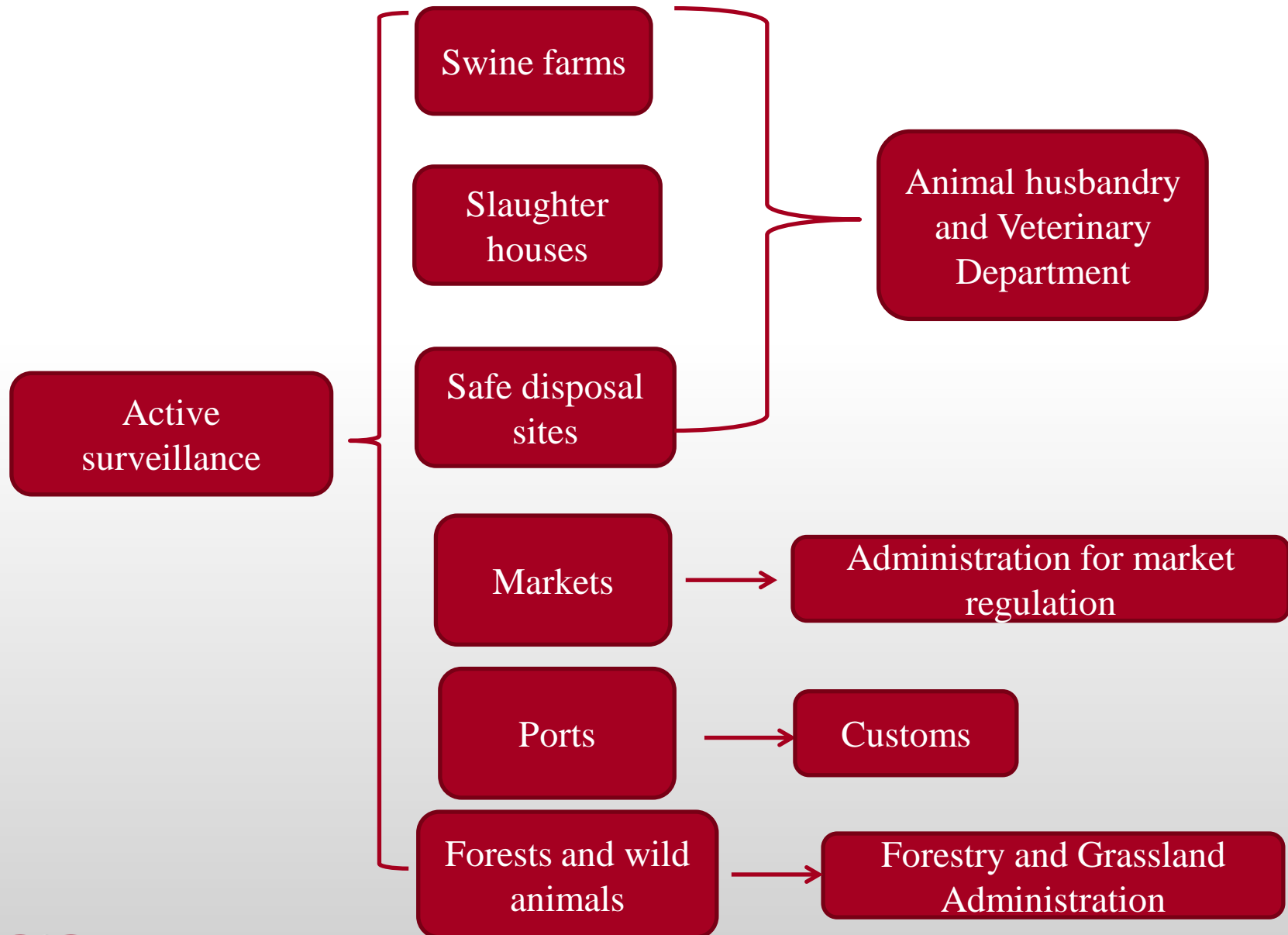
Surveillance objective:

- Early detection of ASF infected pigs, ticks and swine products, or ASF polluted environment.
- Prevention of ASF virus transmitting to swine farms.
- Evaluating the epidemic situation in local area.

Surveillance scope: Pigs, pork, other swine products

Surveillance method: Sampling and Laboratory tests

Active surveillance system



➤ Slaughter house:
slaughter part
2019.1.2

All pigs for slaughter

PCR/test strip

Negative

Positive

Slaughter

Provincial lab for diagnosis

Report

Negative

Positive

Slaughter

Cull and
harmless disposal

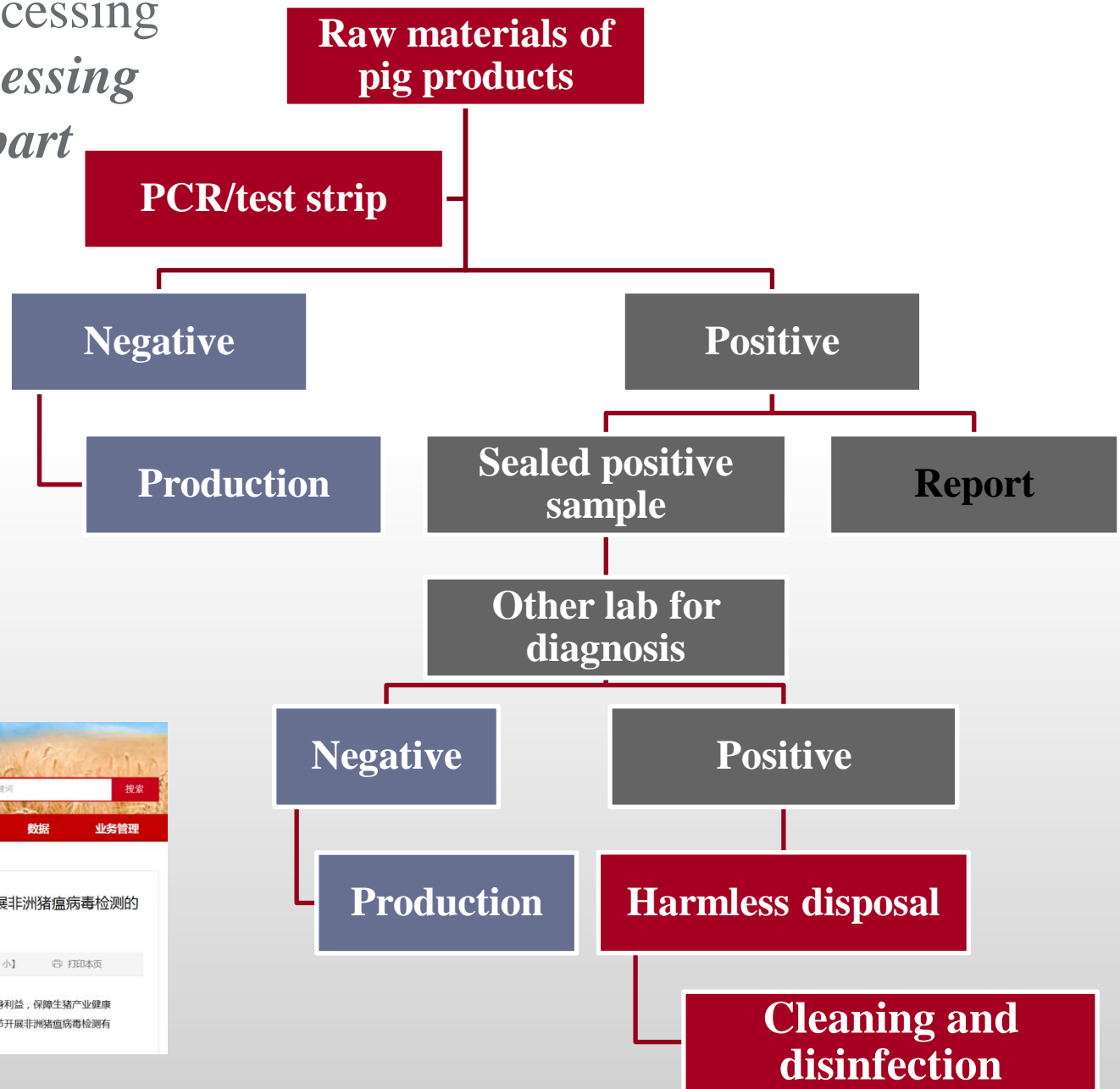
Cleaning and disinfection

After 48H

Apply for recovery



➤ Pork products processing enterprises: *processing and distribution part*
2019.5.1



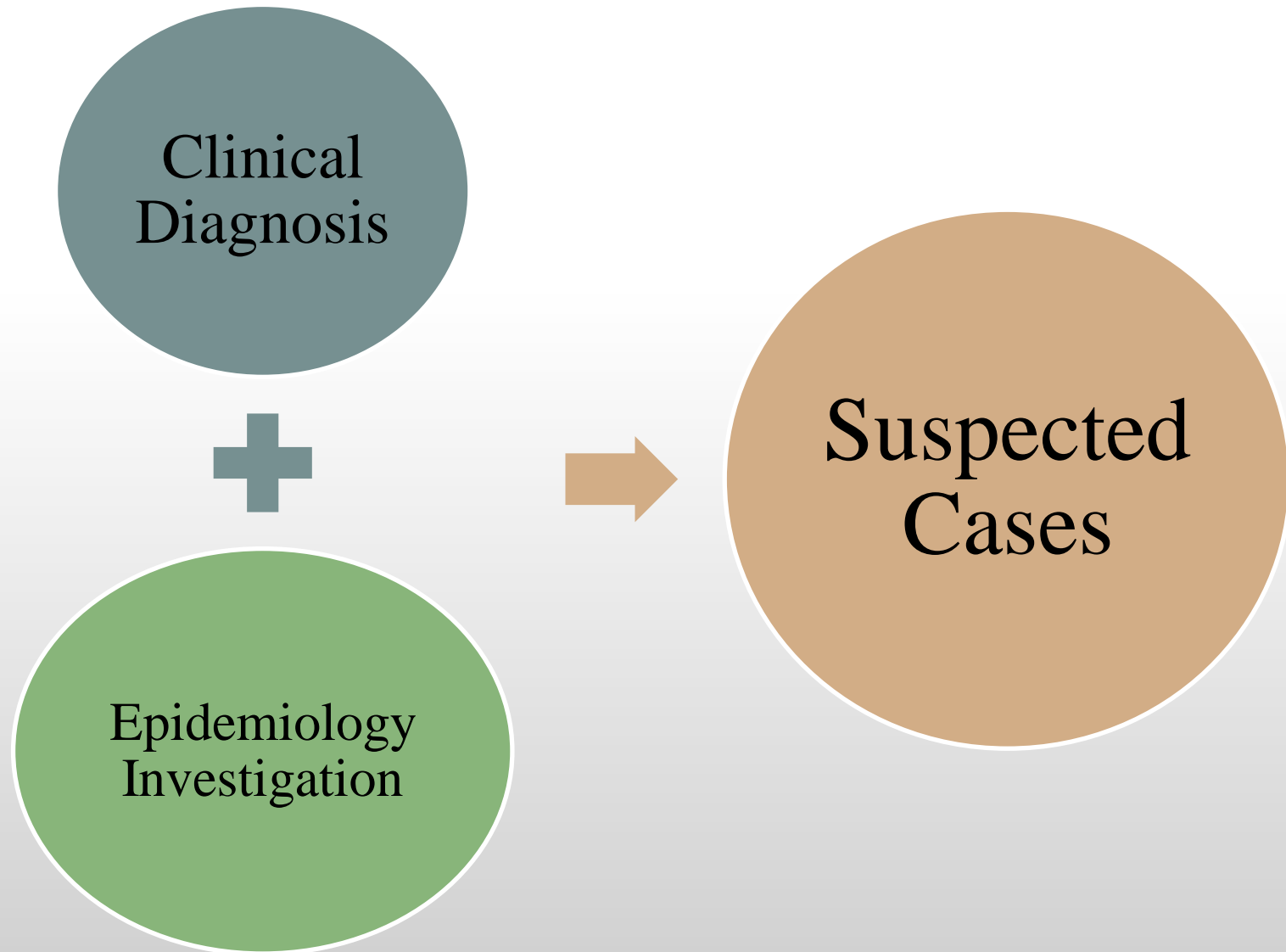
➤ Commissioned laboratory:

- Including universities, customs, company, research institution, municipal CADC
- Provincial animal disease prevention and control institutions for diagnosis

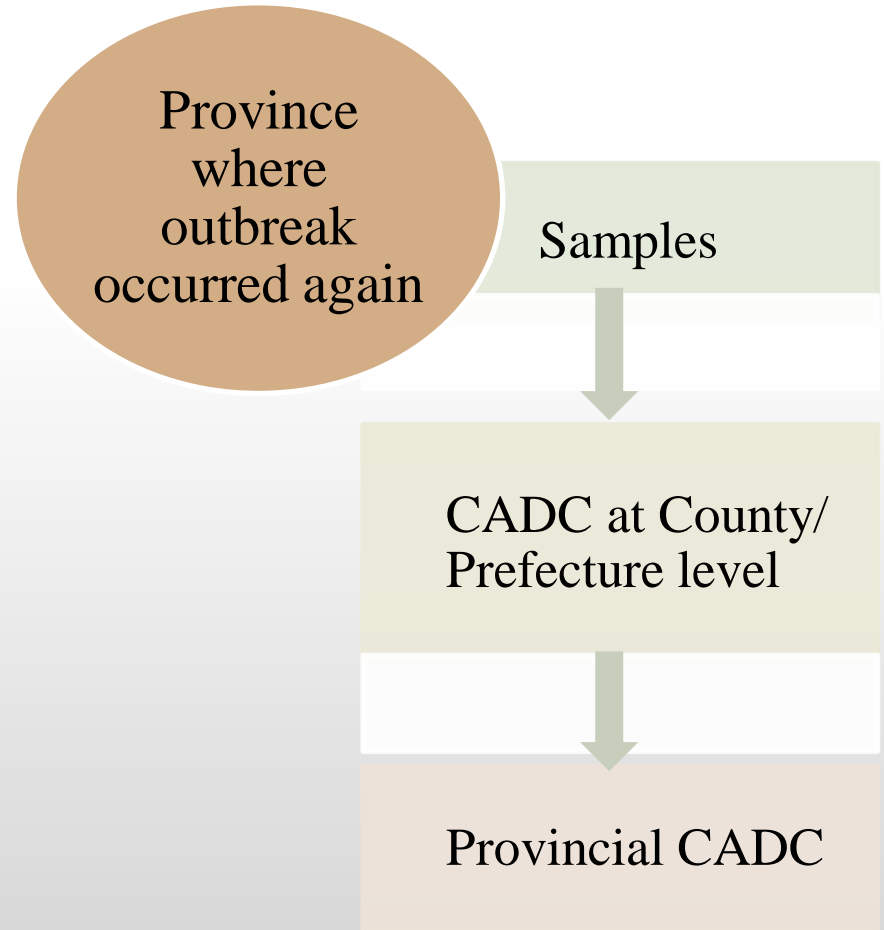
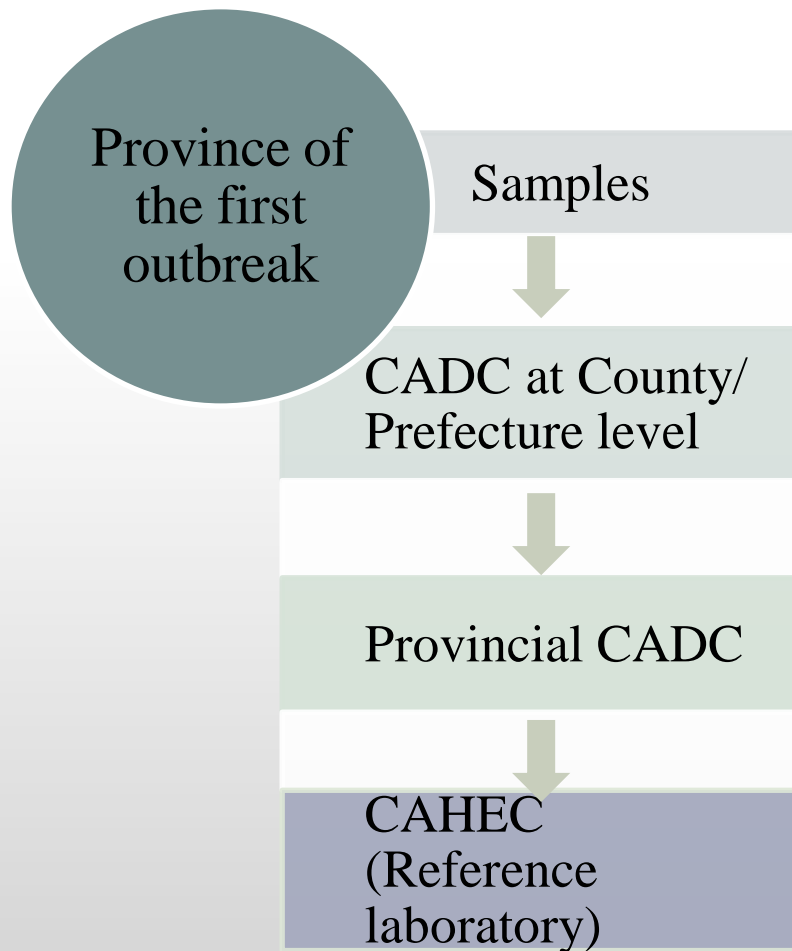


Emergency Response of ASF

Suspected Cases



Confirmed diagnosis



Grading of ASF epidemic

I Grade

New epidemics continued to increase and spread rapidly throughout the country, with outbreaks occurring in most provinces within 30 days.

II Grade

Within 30 days, outbreaks occurred in more than five provinces, and the epidemic tends to spreading further.

III Grade

Within 30 days, the epidemic occurred in more than 2 provinces and less than 5 provinces.

IV Grade

Within 30 days, an epidemic occurred only in one province.

Measures of Suspected Outbreaks

1

Isolation & Monitoring

- For relevant sites where suspected or probable outbreaks
- Strict isolation and monitoring should be implemented

2

Restricted movement

- Susceptible animals and their products
- Feed
- Waste
- Vehicles
- Related facilities, etc.

3

Safety disposal

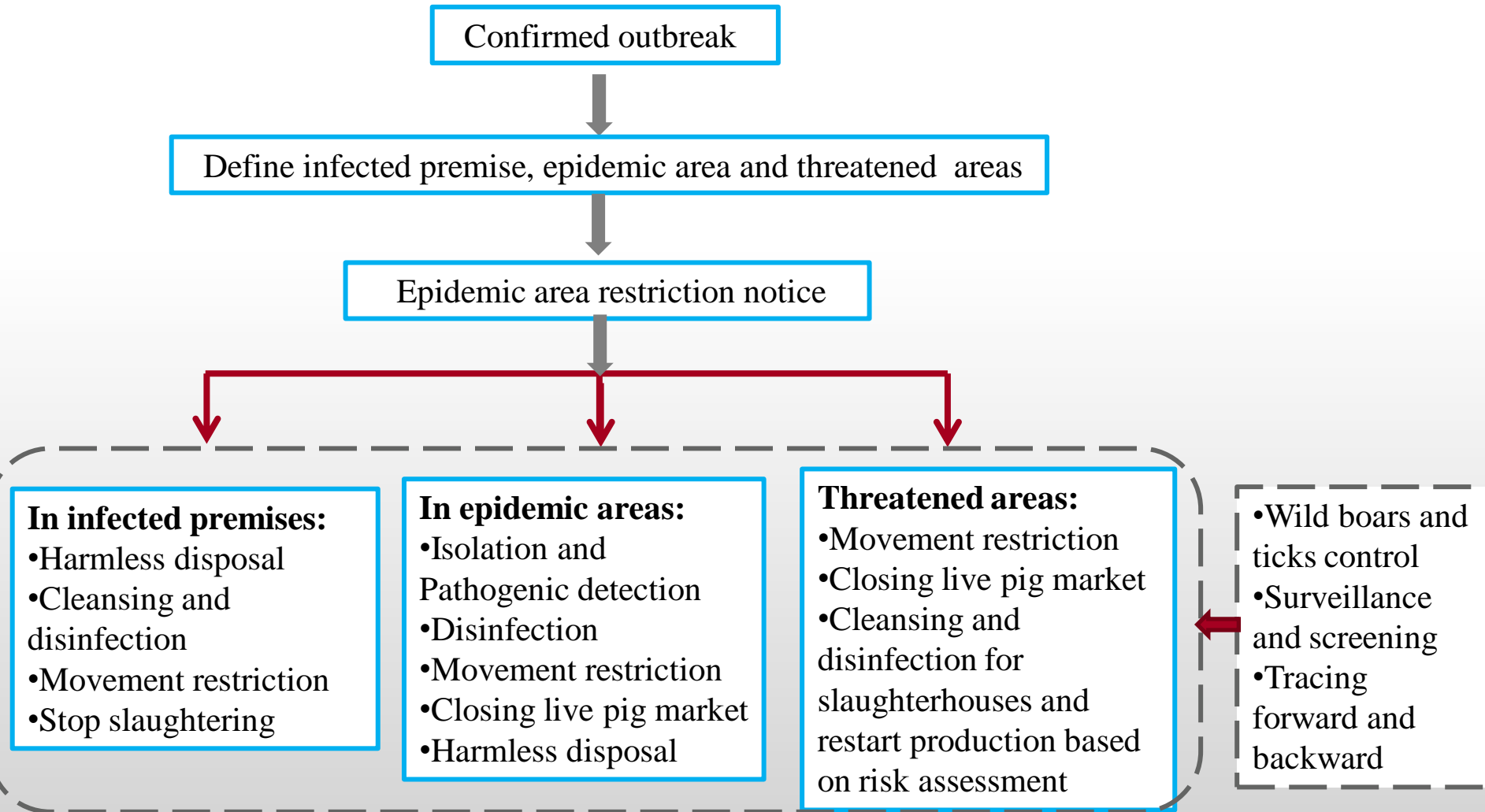
- Dead pigs
- Feces, etc
- Timely

4

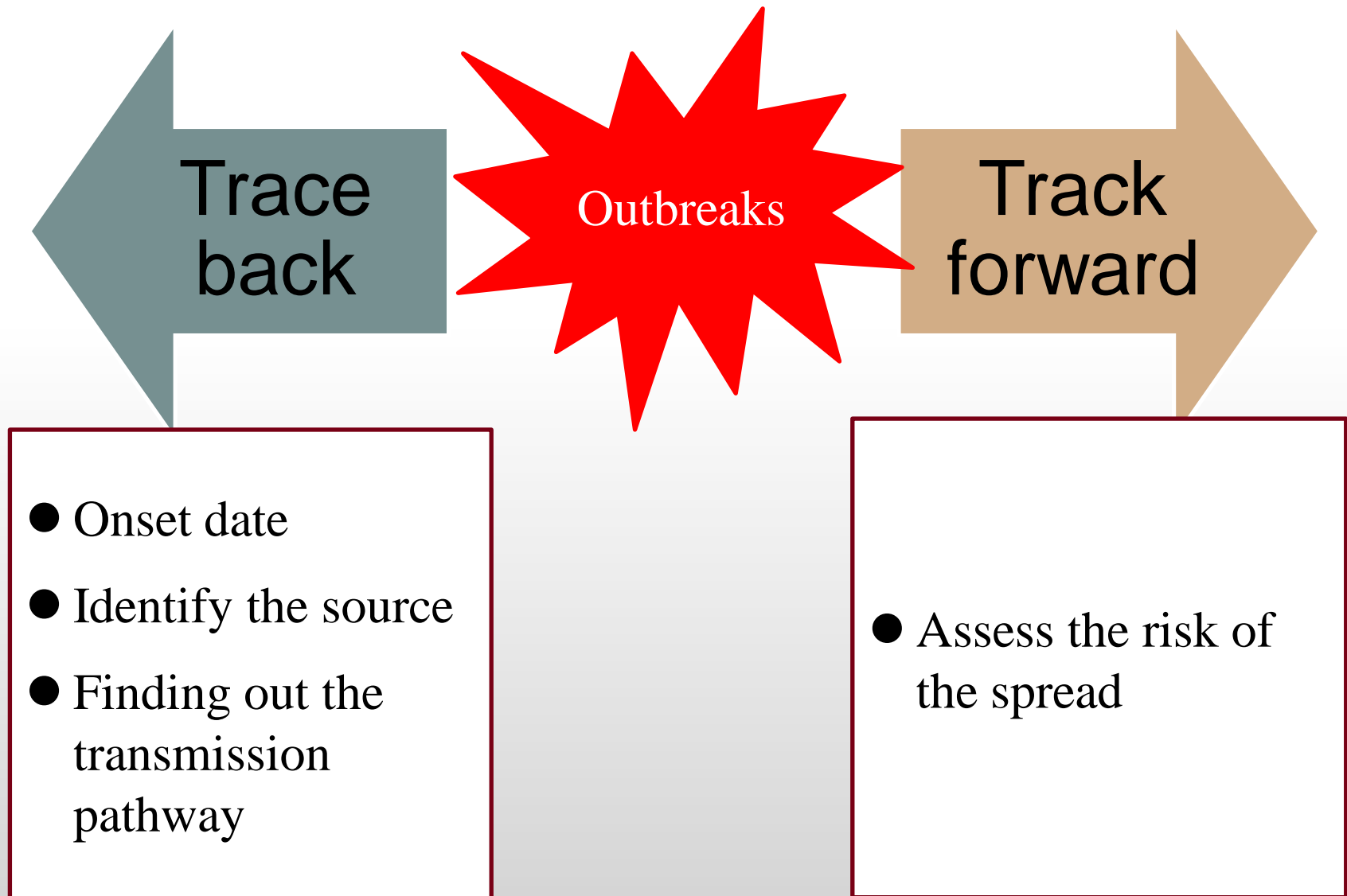
Disinfection

- Pens
- Environment
- Vehicles
- Tools, etc
- Suitable disinfectant

Emergency disposal after Confirmed diagnosis



Outbreak Investigation



Lift restriction and recovery

For premises of farms or live pig markets

- More than 42 days has elapsed since the satisfactory completion of cleansing and disinfection

OR

- 15 days has passed since satisfactory completion of cleansing and disinfection, the premises has been tested for the presence of any remaining disease using sentinel pigs. If no disease is detected in these sentinel pigs in 15 days, restrictions may be lifted.

For slaughterhouses

- The epidemic detected by Veterinary administration: 15 days has passed since satisfactory completion of cleansing and disinfection. Production can be restart after risk assessment.

OR

- The epidemic reported by abattoir: 48 hours has passed since satisfactory completion of cleansing and disinfection. Production can be restart after risk assessment.

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