



# Member's experience on national prevention and control against avian diseases: vaccination strategy, compartmentalisation, zoning and movement control

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RAHO7-DAH of Vietnam

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Qingdao, P. R. China



World Organisation  
for Animal Health  
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## DEPARTMENT OF ANIMAL HEALTH (DAH)

### I. Divisions of DAH

1. Personnel and Administration
2. Epidemiology
3. Aquatic Animal Health
4. Inspection & Quarantine
5. Drug & Vaccine Management
6. Veterinary Public Health
7. Legislation & Inspection
8. Planning & Science
9. International Cooperation and Communication
10. Finance

### II. Institutions of DAH

- Regional Animal Health Office No. I, II, III, IV, V, VI, **VII**
- Regional Sub-departments of Animal Quarantine and Inspection: Quang Ninh, Lang Son, Lao Cai)
- National Center for Veterinary Diagnosis (NCVD)
- National Center for Vet. Drugs Control No. I, II
- National Center for Vet. Hygiene Inspection No. I, II

Provincial Sub-Department  
of Animal Health

District Veterinary Stations

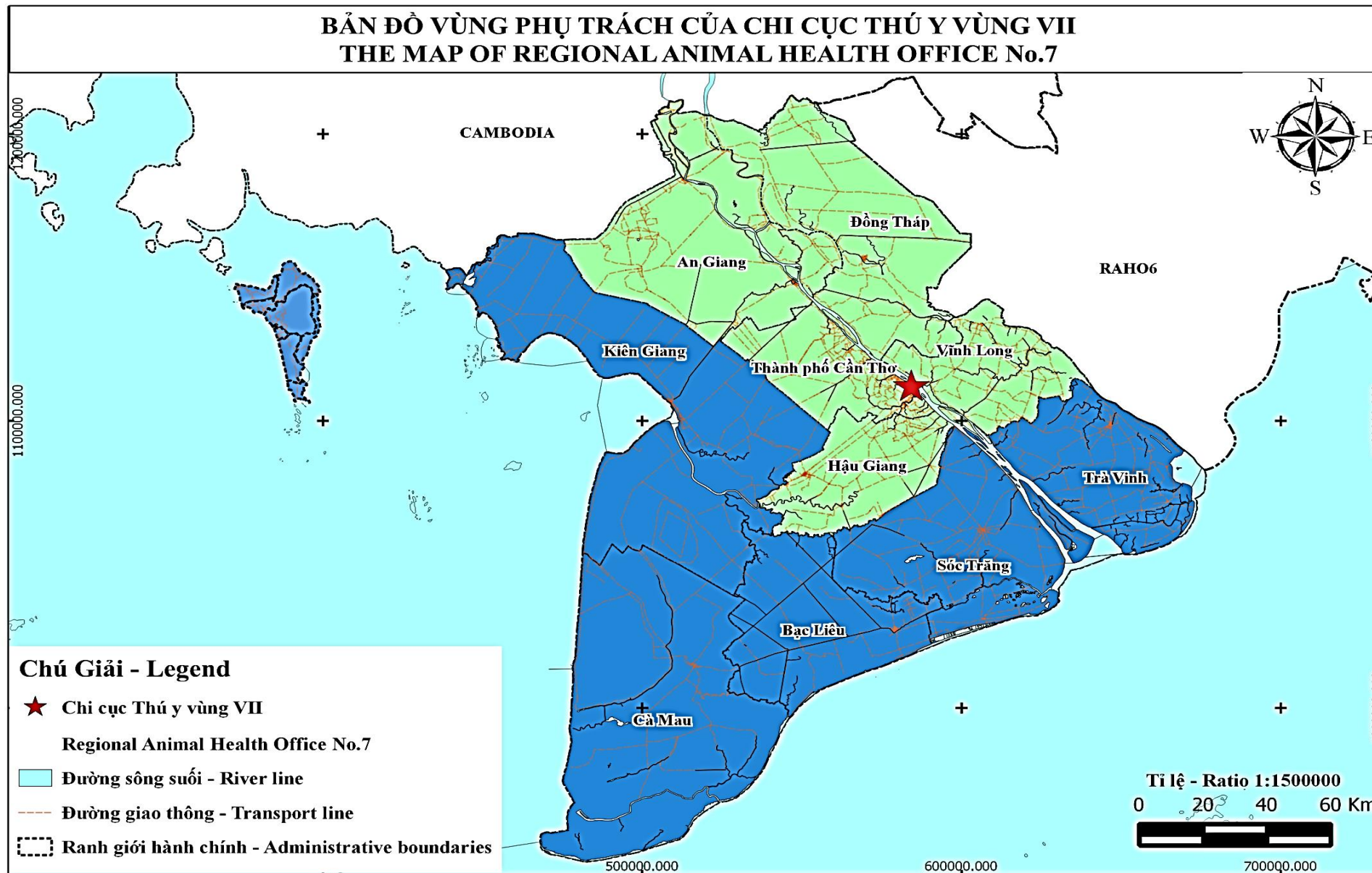
Commune Veterinary



# Member's profile

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- A brief description of Regional Animal Health Office N°7 (RAHO7)





- A brief description of Regional Animal Health Office N°7 (RAHO7)
  - Susceptible populations: 51.904.761 poultry (Chickens, ducks, Muscovy ducks,...)
  - Disease prevention and control system(s): At the provincial and city levels, there is a Sub-Department of Animal Health; at the district level, there is a District Veterinary Station; At the commune level, there is a veterinary staff to carry out veterinary work in the management area.
  - Risk for avian diseases introduction in our region: Having a border with a neighboring country; circulation of pathogens in poultry; bordering with the key poultry production areas of the country (Vietnam Southeast region); there have been diseases in poultry occur in the past.



- *A brief description of the disease situation of avian diseases in poultry, non-poultry, including wild birds and mammals*
- Currently, there are no outbreaks of avian influenza type A/H5N1/H5N6 and other dangerous infectious diseases on poultry in our region. There were some cases as *E.coli*, Pasteurellosis,..... that were promptly handled by provincial Sub-Departments of Animal Health according to regulations.



- Surveillance
  - **Passive Surveillance:** domestic poultry, wild birds, and animals susceptible to the disease in poultry showing signs of suspicion of the disease must be sampled for testing and differential diagnosis.
  - **Active surveillance of poultry disease under the national program:** Post-vaccination surveillance and surveillance of the circulation of pathogenic viruses in poultry are planned to be implemented annually by the Department of Animal Health and the provinces or cities.
  - **Surveillance on smuggling poultry:** Bordering provinces actively develop plan to surveillance on smuggling poultry in their respective management areas.



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- **Vaccination**

- **Avian Influenza vaccination strategy:** Provincial-level local budgets shall allocate funds to purchase prophylactic vaccines, Vaccination to surround the outbreak, and periodic vaccinations for small-scale poultry flocks in households.
- **Type of vaccine:** Avian influenza H5N1 inactivated vaccine (NAVET-FLUVAC 2) produced by NAVETCO company (in-house), Inactivated oil emulsion vaccine against influenza A/H5N1, A/H5N6 and Newcastle disease in poultry (in-house), Vaccine containing inactivated avian influenza virus H5N1 strain Re-6 (imported) and some others (imported): Avian Influenza Virus H5 Subtype Vaccine, Inactivated (Strain D7+Strain rD8), Medivac AI, Meflucac H5 Plus 8,.....



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- **Vaccination**

- **Reason for choice of vaccine and vaccination:** Based on the results of the evaluation of the protective ability of the vaccine against avian influenza type A/H5N1/H5N6.
- **Post Vaccination Monitoring:** Post-vaccination surveillance are planned to be implemented annually by the Department of Animal Health and the provinces or cities level.
- **Exit strategy:** Currently being implemented according to the National Plan for Avian Influenza Prevention and Control for the period of 2019-2025. Once this phase is over, we will conduct a review and plan for the next phase.





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- *Please provide details on points below if relevant*

- *Zoning and compartmentalization:*

The principle of risk zoning (district level) is based on the following criteria:

- The district borders with neighboring countries.
- Number of avian influenza outbreaks occurring in the district in 5 years or having avian influenza outbreaks occurring in the district in the year of assessment of risk.
- Prevalence of avian influenza viruses that are capable of causing epidemics in poultry and humans (H5, H7) through active surveillance results in 5 years.



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- *Please provide details on points below if relevant:*

- *Movement control - live bird market*

Control domestic transportation, manage and control live poultry markets:

- Control the transportation of poultry and poultry products out of the province according to the provisions of the Law on Veterinary Medicine and documents guiding the implementation of the Law on Veterinary Medicine.
- Step by step build a system and issue identification codes for livestock farms, facilitating the traceability of poultry and poultry products.



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- *Please provide details on points below if relevant:*

- *Movement control - live bird market*

Control of cross-border trade and transportation:

- Organize the control of poultry transportation activities on the border;
- Strengthen strict inspection of border areas, border gates and seaports, promptly detect activities of transporting and illegally importing poultry and poultry products into Vietnam.
- All consignments of illegally imported poultry and poultry products of unknown origin that are seized must be sampled for avian influenza testing and handled in accordance with law.



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- *Please provide details on points below if relevant:*

- *Biosecurity:*

- For industrial-scale livestock farms: To guide the implementation of biosecurity measures and good husbandry practices.
- For livestock households and farms: Regularly instructing the implementation of good hygiene measures, spraying disinfectants and decontamination in order to destroy pathogens, including avian influenza virus.
- Periodically organize cleaning, disinfection and decontamination in breeding areas, markets, trading and slaughtering points for poultry and poultry products with lime powder or chemicals.
- Implement environmental disinfection (about 2 to 3 times/year).



# Laboratory capacity

LIÊN HIỆP CÁC HỘI KHOA HỌC VÀ KỸ THUẬT VIỆT NAM  
VĂN PHÒNG CÔNG NHẬN NĂNG LỰC ĐÁNH GIÁ SỰ PHÙ HỢP VỀ TIÊU CHUẨN CHẤT LƯỢNG



## CHỨNG CHỈ CÔNG NHẬN

TRẠM CHẨN ĐOÁN XÉT NGHIỆM BỆNH ĐỘNG VẬT  
CHI CỤC THÚ Y VÙNG VII

Địa chỉ: Số 88 Cách mạng tháng tám, phường Bùi Hữu Nghĩa, quận Bình Thủy, thành phố Cần Thơ  
đã được đánh giá và phù hợp các yêu cầu của tiêu chuẩn

**ISO/IEC 17025:2017**

Lĩnh vực công nhận: Sinh học

Mã số: VLAT-1.0038



GIÁM ĐỐC

PGS.TS NGUYỄN THỊ KHÁNH TRÂM

Số: AOSC-1.0038.1  
Ngày cấp: 04/8/2020  
Giá trị đến: 03/8/2025

| Terrestrial Animal diseases               |                                                | Aquatic diseases                         |                                                  |
|-------------------------------------------|------------------------------------------------|------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> AIV - Type A (M) | <input type="checkbox"/> PRRSV-NA              | <input type="checkbox"/> WSSV            | <input type="checkbox"/> Perkinsus marinus       |
| <input type="checkbox"/> AIV - Subtype H5 | <input type="checkbox"/> PRRSV-CN              | <input type="checkbox"/> YHV             | <input type="checkbox"/> Perkinsus Olseni        |
| <input type="checkbox"/> AIV - Subtype H7 | <input type="checkbox"/> PRRSV-EU              | <input type="checkbox"/> YHV1            | <input type="checkbox"/> Hematodinium            |
| <input type="checkbox"/> AIV - Subtype H9 | <input type="checkbox"/> FMDV                  | <input type="checkbox"/> IHNV            | <input type="checkbox"/> Mud crab reovirus       |
| <input type="checkbox"/> AIV - Subtype N1 | <input type="checkbox"/> LSDV                  | <input type="checkbox"/> TSV             | <input type="checkbox"/> Aeromonas hydrophila    |
| <input type="checkbox"/> AIV - Subtype N6 | <input type="checkbox"/> PED                   | <input type="checkbox"/> IMNV            | <input type="checkbox"/> Edwardsiella ictaluri   |
| <input type="checkbox"/> AIV - Subtype N8 | <input type="checkbox"/> Sars-CoV-2            | <input type="checkbox"/> EHP             | <input type="checkbox"/> Pseudomonas spp.        |
| <input type="checkbox"/> AIV - Subtype N9 | <input type="checkbox"/> Bluetongue            | <input type="checkbox"/> MBV             | <input type="checkbox"/> Streptococcus spp.      |
| <input type="checkbox"/> SIV - Type A     | <input type="checkbox"/> Brucella              | <input type="checkbox"/> NHP-B           | <input type="checkbox"/> Vibrio parahaemolyticus |
| <input type="checkbox"/> SIV - Subtype H1 | <input type="checkbox"/> Dịch tả loài nhai lại | <input type="checkbox"/> AHPND/EMS       | <input type="checkbox"/> Kháng sinh đồ           |
| <input type="checkbox"/> SIV - Subtype H3 | <input type="checkbox"/> PRRS - Ab             | <input type="checkbox"/> WTD (MrNV/XSV)  |                                                  |
| <input type="checkbox"/> SIV - Subtype N1 | <input type="checkbox"/> FMD 3ABC - Ab         | <input type="checkbox"/> HPV             |                                                  |
| <input type="checkbox"/> SIV - Subtype N2 | <input type="checkbox"/> Mycobacterium bovis   | <input type="checkbox"/> TiLV            |                                                  |
| <input type="checkbox"/> Newcastle        | <input type="checkbox"/> Aujeszky's - Ab       | <input type="checkbox"/> VNN             |                                                  |
| <input type="checkbox"/> Dịch tả vịt      | <input type="checkbox"/> Brucella - Ab         | <input type="checkbox"/> KHV             |                                                  |
| <input type="checkbox"/> Gumboro          | <input type="checkbox"/> ASF- Ab               | <input type="checkbox"/> DIV1            |                                                  |
| <input type="checkbox"/> PCV2             | <input type="checkbox"/> Subtype H5 - Ab       | <input type="checkbox"/> SVCV            |                                                  |
| <input type="checkbox"/> CSFV             | <input type="checkbox"/> Newcastle - Ab        | <input type="checkbox"/> RSIV            |                                                  |
| <input type="checkbox"/> ASFV (thực địa)  | <input type="checkbox"/> Leptospira -Ab        | <input type="checkbox"/> Crayfish plague |                                                  |
| <input type="checkbox"/> ASFV (vaccine)   | <input type="checkbox"/> Bluetongue - Ab       | <input type="checkbox"/> Perkinsus spp   |                                                  |





# Laboratory capacity

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BỘ NÔNG NGHIỆP  
VÀ PHÁT TRIỂN NÔNG THÔN  
CỤC THỦ Y  
Số: 18/GCN-TY-KH  
CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM  
Độc lập - Tự do - Hạnh phúc  
Hà Nội, ngày 13 tháng 9 năm 2018

## GIẤY CHỨNG NHẬN ĐĂNG KÝ HOẠT ĐỘNG THỦ NGHIỆM

Căn cứ Nghị định 107/2016/NĐ-CP ngày 01/7/2016 của Chính phủ quy định về điều kiện kinh doanh dịch vụ đánh giá sự phù hợp;

Căn cứ Quyết định số 1399/QĐ-BNN-TCCB ngày 13/4/2017 của Bộ trưởng Bộ Nông nghiệp và Phát triển nông thôn quy định chức năng nhiệm vụ, quyền hạn và cơ cấu tổ chức của Cục Thú y;

Xét đề nghị của Trưởng Phòng Kế hoạch, Cục Thú y chứng nhận:

1. Trạm Chẩn đoán, xét nghiệm bệnh động vật, Chi cục Thú y Vùng VII.

- Địa chỉ: Số 88 Đường Cách Mạng Tháng Tám, Phường Bùi Hữu Nghĩa, Quận Bình Thủy, TP. Cần Thơ.

- ĐT: 029 23820203;

Fax: 029 238 23386;

- Email: coquanthuylvung7@gmail.com

Đã đăng ký hoạt động thử nghiệm đối với lĩnh vực bệnh động vật, bệnh thủy sản (chỉ tiết các phép thử được chứng nhận đăng ký hoạt động trong Phụ lục kèm theo).

2. Số đăng ký: TN 62 – 18 BNN

3. Giấy chứng nhận này có hiệu lực 05 năm kể từ ngày ký.

Nơi nhận:

- Như Mục I;
- Vụ KHCHN và MT;
- TT THTK;
- Cục trưởng (để b/c);
- Lưu: KH.

KT. CỤC TRƯỞNG  
PHÓ CỤC TRƯỞNG

CỤC THỦ Y  
Nguyễn Thu Thủy



- Every year, the laboratory participates in the proficiency testing program (PT) with reference laboratories in the world (CSIRO, ...) on:

+ Aquatic diseases WSSV, YHV1, TSV, IMNV, IHNV, AHPND, VNN, KHV, SVCV, etc.

+ Terrestrial animal diseases AIV, NDV, CSF, PRRS, ASF,...

- Maintain interlaboratory comparison with laboratories in the system of RAHOs, NCVD and competent organizations such as AoV, Quatest 3,...

• Vaccine production

# Thank you!

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Contact information



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