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# VIETNAM: Progress report on the aquaculture component of country NAP on AMR

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# PRESENTATION OUTLINE

- I. **National Action Plan on AMU and AMR**
- II. Progress of the aquatic component of the NAP
- III. Plan and future activities from 8-11/2017



# **I. NAP FOR THE CONTROL OF AMU AND AMR IN LIVESTOCK PRODUCTION AND AQUACULTURE (2017- 2020)**



# 1.1. DEVELOPMENT OF NAP

- FAO supported Vietnam to develop the NAP since 2016
- MARD issued Decision No. 2625/QĐ-BNN-TY dated 21/6/2017 on National Action Plan for the Control of Antimicrobial Use and Antimicrobial Resistance in livestock production and aquaculture (2017-2020)



## 1.2. OBJECTIVES OF NAP

### ○ Overall objective:

- Mitigate the risk of antibiotic resistance in public health through controlling the antibiotic usage in livestock production and aquaculture in Vietnam.

### ○ Specific objective:

- Review and enforce policy and governance related to AMR and AMU in livestock production and aquaculture.
- Increase awareness of AMU and AMR among livestock and aquaculture professionals, producers and consumers.
- Implement good treatment and husbandry practices in livestock production and aquaculture.
- Monitor AMR, AMU and antimicrobial residues in food and agriculture.
- Facilitate inter-sectoral collaboration in management of the risk of AMR.



## 1.3. MAJOR ACTIVITIES OF NAP

1. Strengthen/consolidate the state management of AMU and AMR;
2. Improve the legal basis for AMU and AMR management;
3. Enforce the regulations and technical guidelines in place;
4. Increase awareness of AMU and the risks of AMR;
5. Implement good treatment and husbandry practices in livestock feed manufacturing and livestock production and aquaculture;
6. Monitor AMU, AMR and antibiotic residues;
7. Strengthen inter-sectoral collaboration in AMR management.



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## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 1: Strengthen the state management of AMU and AMR

- Established National Committee for Controlling AMU and AMR (lead by Deputy Prime Minister and 32 members from all relevant ministries, including MARD).
- MARD established National Steering Committee for Prevention and Control of Aquatic Animal Disease, AMU and AMR in aquaculture.





## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 2: Improve the legal basis for AMU and AMR management

- New Veterinary Law has been effective since 01 July 2016.
- MARD issued 11 Circulars on disease control, AMU and AMR; more than 20 official letters to direct and enforce controlling AMU, AMR.
- New Degree 39/2017/ND-CP dated 4/4/2017 on animal feeds with addition of antibiotics which will be totally eliminated in 2020.



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 2: Improve the legal basis for AMU and AMR management (cont.)

- Developed and implemented the national programme for strictly control of the use of antibiotic raw materials in veterinary medicine production.
- Organized a large number of workshops/meetings between government agencies, companies, associations on AMU and AMR to identify current problems, gaps and difficulties in the control of AMU and AMR.



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 3: Enforce the legislation in place

- Inspection of all importers (28 companies) for veterinary medicine products and raw material, especial for antibiotic raw materials to identify how did they import, use and sell antibiotic products and antibiotic raw materials.
- Inspection of veterinary drug shops to check whether they sell the registered antibiotic products and all shops are not allowed to sell antibiotic raw materials directly to farmers.



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 4: Increase awareness on AMU and the risks of AMR

- DAH established collaboration program with VTV1, VTV16, newspapers to develop mass media program on AMU and AMR.
- Established special technical teams led by DAH to instruct/train farmers and local aquatic animal health staff to implement properly prevention and control strategies, including not using or proper use of antibiotics in shrimp and pangasius aquaculture.
- Conducted communication campaigns to increase AMR awareness.



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 5: Implement good treatment and husbandry practices in livestock feed manufacturing, livestock production and aquaculture

- Organized training activities on good antibiotic use principles in aquaculture;
- Encourage research and evaluation of alternative treatment measures to AMU (probiotics products, herbal/plan extract products);
- Improve aquaculture practices in shrimp, pangasius, tilapia and others: VietGAP, GlobalGAP...



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 5: Cont'

- National programme for prevention and control of disease in Pangasius between 2015 and 2020 (Decision 4995/QD-BNN-TY dated 20/11/2014);
- National programme for establishment of disease free compartments and zones for shrimp production (Decision 4088/QD-BNN-TY dated 01.10/2016);
- National programme for active surveillance of diseases in shrimp and Pangasius animals and products to be exported between 2017 – 2020 (Decision 1038/QD-BNN-TY dated 29/3/2017);
- Annually, both National and Local government issues the National and Local action plan for disease control.



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 6: Monitor AMR, AMU and antimicrobial residues

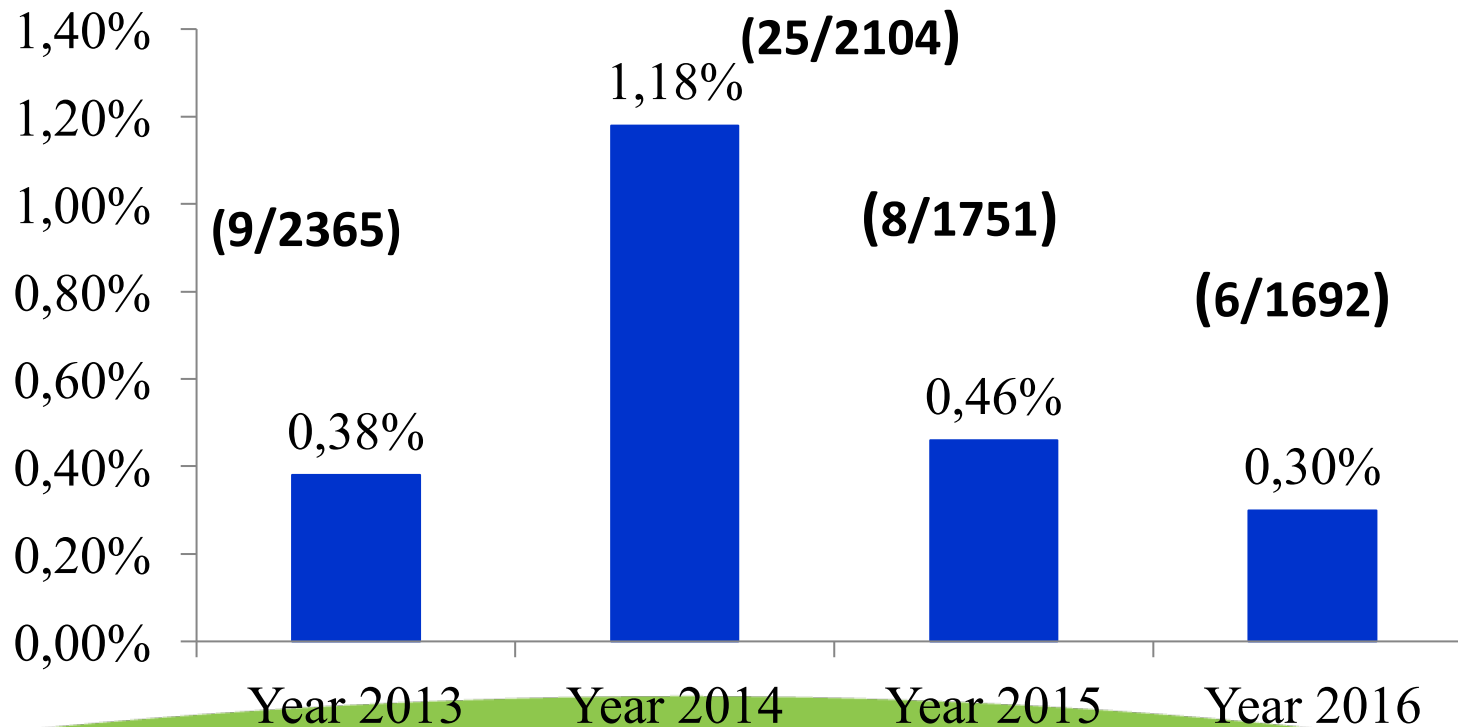
- During 2013-2014, conducted Piloting surveillance for AMR in catfish aquaculture in Vietnam, sponsored by WHO
  - Sampling at 75 catfish ponds belonging to 6 big catfish farms;
  - Focusing AMR in enteric bacteria (*E. coli* and *Salmonella* sp.) and aquatic bacteria (*Aeromonas* spp. and *Vibrio* spp) isolated from pond water, supply water, pond sediment and catfish.
- During 2015-2016, carried out 03 surveys on AMU of 714 aquaculture farming households, including:
  - 3 pangasius production provinces (Ben Tre, Dong Thap, An Giang);
  - 2 shrimp production provinces (Soc Trang, Bac Lieu).



## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 6: cont'

- ❖ Since 2013, also carried out monitoring residue of antibiotics in shrimp products at 199 main aquaculture areas of 37 provinces:





## II. PROGRESS OF THE AQUATIC COMPONENT OF THE NAP

### Activity 7: Strengthening inter-sectoral collaboration in AMR management

- Implemented agreement on “Multi-stakeholder Engagement to combat AMR in Vietnam”, leading by DAH (MARD) and Drug Administration of Vietnam (MoH).
- Participated in national, regional and international workshops/meetings on AMU and AMR to share and improve the awareness



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### III. PLAN AND FUTURE ACTIVITIES

1. Conduct inspection of relevant stakeholders involved in the sales or use of antibiotics in livestock and aquaculture, from importer, down to the farm level.
2. Develop a national AMU surveillance program on aquaculture, focusing on shrimp, pangasius and tilapia.
3. Conduct a survey on status of AMU and AMR in tilapia and traditional fish aquaculture in Hai Duong province.
4. Conduct a survey on status of AMU in pangasius catfish aquaculture in An Giang, Can Tho and Dong Thap provinces.
5. Participate in regional and international workshops/meetings related to AMU and AMR.



**Thank you for your attention!**

