

# Campylobacteriosis

## Group 2

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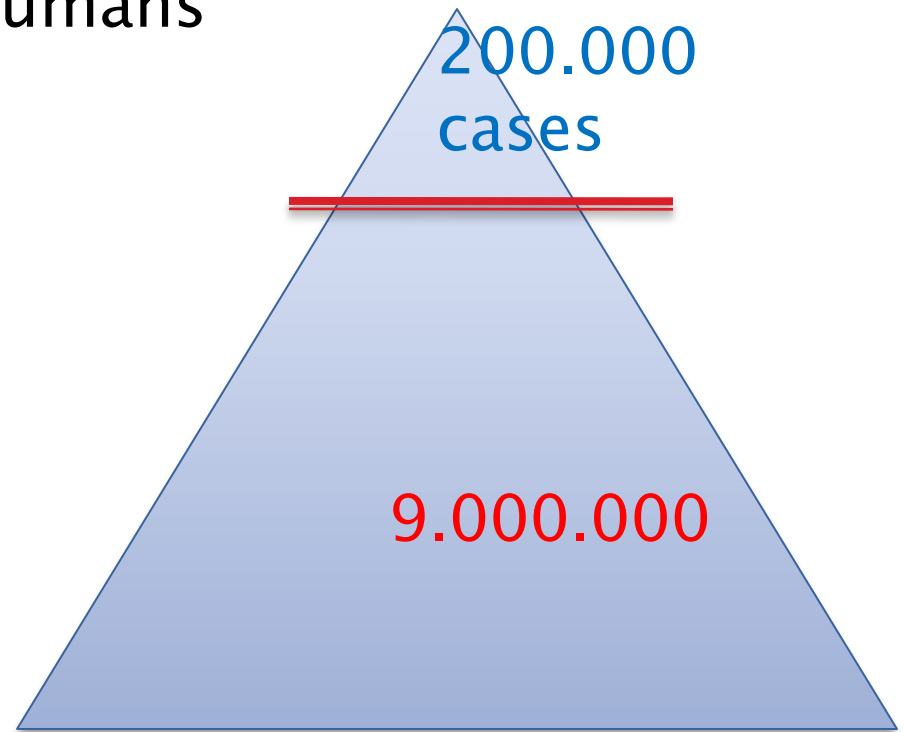
Vu Thi Lan

# Outline

- ▶ Introduction & Issue Identification
  - ▶ Field trip experience in Hoang Tay commune
  - ▶ Stakeholders
  - ▶ Governance
  - ▶ Constraints & Opportunities
  - ▶ Solutions
  - ▶ Design an adaptive Approach
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# Introduction & Issue Identification

- ▶ *Campylobacter* is one of the leading causes of acute bacterial gastroenteritis (EFSA, 2010)
- ▶ *Campylobacter* cause an illness called campylobacteriosis in humans
- ▶ Symptoms:
  - Fever
  - Headache
  - Diarrhoea
  - Abdominal Cramps
  - Neurological disorder



# Exposure pathway and risk factors

**Eating habit**  
(raw,  
undercook)

**Personal hygiene,  
Behaviors**  
(washing hand, near  
animal)



**Environment**

**Animal**

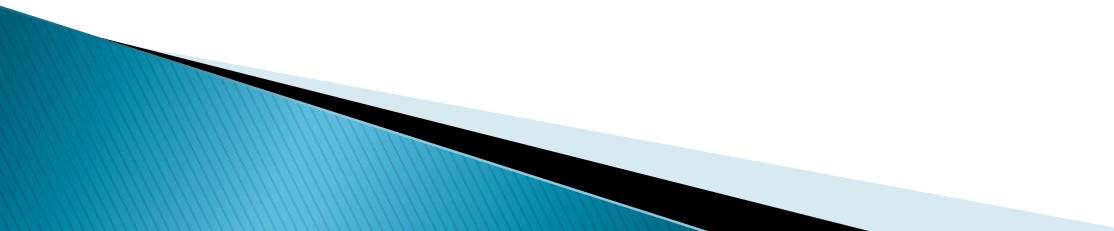
**People**

(contaminated water)

(cow, pig, dog, cat)

# Field trip experience in Hoang Tay commune

## Potential Risks:

- No protective measures (farmers, slaughters, etc.)
  - Free range livestock production
  - Raising animal system near houses
  - No proper waste management
  - Plant vegetable and raise animal in polluted area
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# Stakeholders

- Health officer
  - Medical station
  - Preventive medicine center
  - Hospital
- Vet officer
- Police officer
- People committee
- Media
- Communities
  - Farmer
  - Local authorities
  - School
- Researchers

# Governance

- ▶ Health officer
  - Medical record
  - Report
  - Sample collection and analysis (blood, stool)
  - Food remaining (if possible)
- ▶ Vet officer
  - Trace back/ Investigation  
Food maker/Market/Slaughter/Farm

# Constraints & Opportunities

## Constraints

- ▶ Land is limited
- ▶ Low income
- ▶ Low education

## Opportunities

- ▶ Receive investment of some project and organization
- ▶ Great concern from local authorities

# Solutions

## ▶ Education

- Improve awareness of local people
- Biosecurity to the farmer
- Personal hygiene concern

## ▶ Government

- Income diversity
- Land planning for livestock production



# Adaptive approach

- ▶ Research
  - ▶ Participation
  - ▶ Sample modeling
  - ▶ Public media
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**Thank you for  
your attention**

