# Food safety risk communication: A One Health approach to improve knowledge and practices along pork value chains in Vietnam

Sinh Dang-Xuan<sup>1</sup>, Trang Le-Thi-Huyen<sup>1</sup>, Hai Ngo-Hoang-Tuan<sup>1,2</sup>, Hung Nguyen-Viet<sup>1</sup>, Nga Nguyen-Thi-Duong<sup>3</sup>, Hung Pham-Van<sup>3</sup>, Huyen Le-Thi-Thanh<sup>4</sup>, Phuc Pham-Duc<sup>2</sup>, Phi Nguyen-Hong<sup>2</sup>, Fred Unger<sup>1</sup>

<sup>1</sup>International Livestock Research Institute; <sup>2</sup>Hanoi University of Public Health, Vietnam; <sup>3</sup>Vietnam National University of Agriculture, Vietnam; <sup>4</sup>National Institute of Animal Sciences, Vietnam

Ν

Hung Yen

Constr.

Studied province:

#### **1. INTRODUCTION**

Food safety is attracted a great concern of public worldwide and required a multi-sectoral collaboration to manage potential risk of food borne illnesses. One health approach can be applied to food safety, where food safety risk communication (RC), apart from risk assessment and risk management (CODEX), plays a crucial role to disseminate the information and knowledge on risks amongst

#### **3. RESULTS**

Knowledge and practices scores of pig value chains actors (slaughterhouse workers and retailers) on food safety were improved. Local veterinary and health workers, local authorities' staff trained were better in managing and disseminating food safety information and training in their works.

scientist, managers or policy makers and community. This study aimed to improve their knowledge and practices on food safety for pork value chain actors, relevant stakeholders, and consumers to prevent foodborne illness using risk communication.

Hoa Binh

Nghe An

120 180 240

### 2. METHODOLOGY

#### 2.1. Study sites

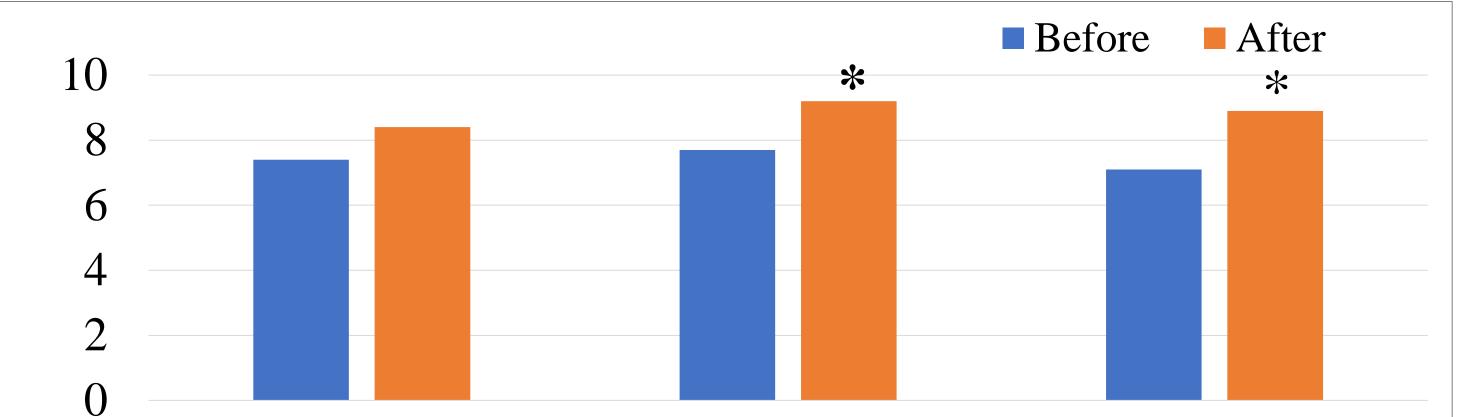
**Fig 1.** Map of study sites in Vietnam (*right below*) and three studied provinces.

#### 2.2. Targeted groups



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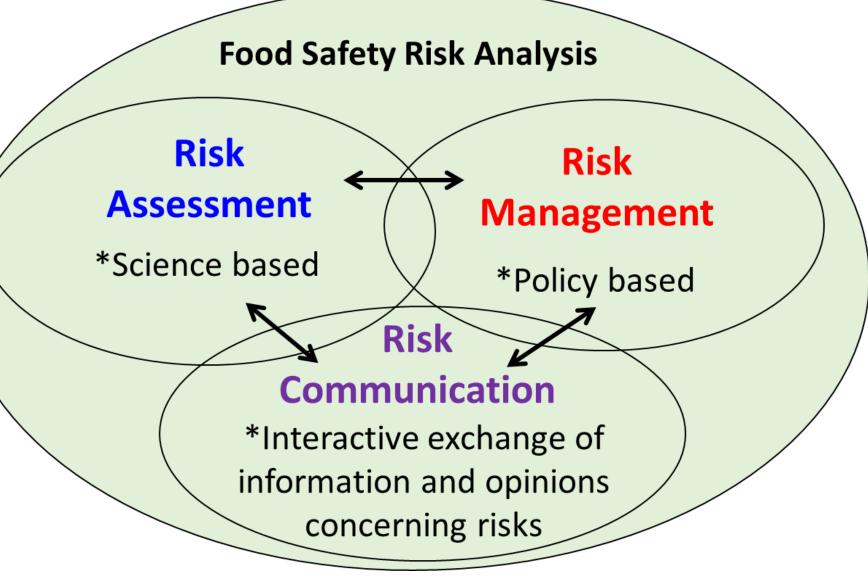
Targeted groups	N#. participants (N#. females)	<b>Topics in risk communication messages to improve</b>	
Pig producers	119 (94)	FS knowledge and hygiene	
Slaughterhouse workers	43 (11)	practices related to their daily work	
Pork retailers	30 (21)	such as a pig producers, slaughterhouse workers,	
Consumers	191 175)		
Canteen staff	142 (129)	consumers, canteen staff	
Local authorities (TOT)	175 (88)	FS knowledge, risks & conduct RC	
Total	700	0 (518 females, 74%)	
Loud speaker campaigns (broadcasted 64 times)	Reach ~45% district population (120,000 community members, include 70,000 females): received information about FS knowledge, hygiene practices		



Local veterinary and health workers, local authorities' staff
Canteens staff, consumers in studied districts/provinces.

## 2.3. Study approach

**Fig 2.** Food safety analysis framework, *and FS risk communication component of the study from November 2019 to June 2022* 



Kilometers

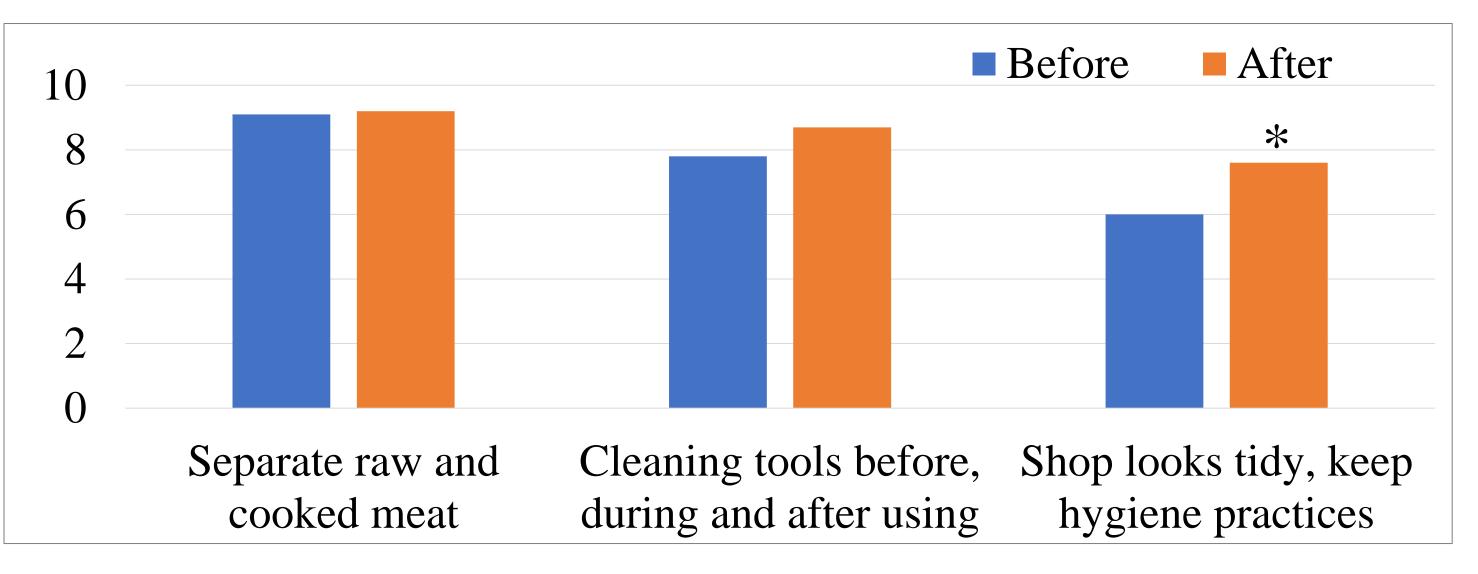


Participatory trainings, group discussions, meetings, loudspeaker campaigns

Chemical Bacterial/virus

Parasite

**Fig 3.** Perceive risk of food borne hazards of participant before and after training (*ranks from 1-least to 10-most important, \*p<0.1*)



**Fig 4.** Changes in knowledge and practices to improve food safety of value chain actors before and after training (*ranks from 1-least to 10-most important*, \*p < 0.1)

#### 4. CONCLUSIONS



Handbooks, posters and leaflet on food safety practices and food borne illness prevention



Participatory and interdisciplinary approaches which engage different disciplines (veterinary, public health, and local authority) would create an effective channel to convey food safety knowledge and practices to targeted value chain actors and communities to reduce risk foodborne illnesses for consumers.

Contact: Sinh Dang-Xuan (S.Dang@cgiar.org)



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