Virtual Regional Training on Value Chain Analysis for Animal Disease Risk Management

17 – 31 August 2021

Background

Domestic and international livestock value chains have shown to play a critical role in both, the spread and containment of transboundary animal diseases (TADs). Value chain analysis (VCA) provides an effective approach to identify critical control points and high-risk networks. Modern livestock value chains are of dynamic nature and quickly adjust to economic and disease related factors, making the continuous updating of livestock value chain information essential.

Therefore, the Food and Agriculture Organization of the United Nations (FAO) is organizing a 17-hour long training over a 2-week period between 17-31 August 2021. The training aims to build capacity on value chain analysis for disease control, using African Swine Fever (ASF) as a model. Moreover, participants will come together to discuss recent changes on the livestock value chains using pig value chain as an example, with special emphasis on risk mitigation options at different critical points of the value chain.

Overall objective

To build capacity on value chain analysis for animal disease control among veterinary officers.

Learning objectives

1. To understand the concept of value chain analysis.
2. To learn how to apply value chain analysis for risk management in animal health.
3. To learn how to adopt participatory approaches to collect value chain data.
4. To understand basic economic tools that support value chain analysis (gross margin, cost-benefit analysis, and partial budget analysis).
5. To understand applications of VCA for outbreak investigation, risk-based surveillance, and development of clean chains.

Dates: The training will consist of 2 weeks (17 – 31 August 2021) including 3 days live webinar (17, 24, and 31 August 2021).

Venue: Virtual learning platform conducted by the Virtual Learning Center, FAORAP

Participants – profile and number

- 40 participants including veterinary officers, animal health husbandry, animal health economists and other disciplines who are responsible for animal disease control and prevention. (4 for each country)
    - Bangladesh, Cambodia, China, Indonesia, Myanmar, Thailand, Viet Nam, Malaysia, Lao PDR, and Nepal
- 10 observers from City University of Hong Kong and Kasetsart University
- 15 participants from ECTAD country teams
- 5 FAO RAP ECTAD staffs

Virtual learning formats and learning hours

Duration of training: 2 weeks from 17 to 31 August 2021

Self-learning sessions: 3 - 4 hours/week

Live sessions:

In total 3 days in two weeks, every Tuesday, Maxime 3 hours for each day

Function 1. Self-learning session: Recording webinar or self-learning module (Compulsory)

2 – 3 topics each week

Each topic (total 30 – 60 mins, 15 mins/video preferred) including:

1) Recording webinar: PPT slides with video provided by facilitators

Week 1: Introduction to value chain analysis for risk management & examples, steps to develop VCA and participatory approach for value chain data collection.

Week 2: Economic tools for value chain analysis (gross margin, cost-benefit analysis and partial budget analysis) and Applications of VCA 1) outbreak investigation; 2) risk-based surveillance; and 3) development of clean chains.

2) Short VDO from other sources e.g. YouTube, and short reading materials provided by trainers (optional for facilitators)

Function 2. Live session: virtual workshop (Compulsory)

Morning of 3 Days (1 – 3 hr.)

1) Q&A of previous week study
2) Warp up
3) Simulation exercises: break-out group preferred, also depends on resource of facilitators.

Function 3. Discussion forum

For trainees to post questions (2 questions pre week as an assignment)

Moderate by facilitators

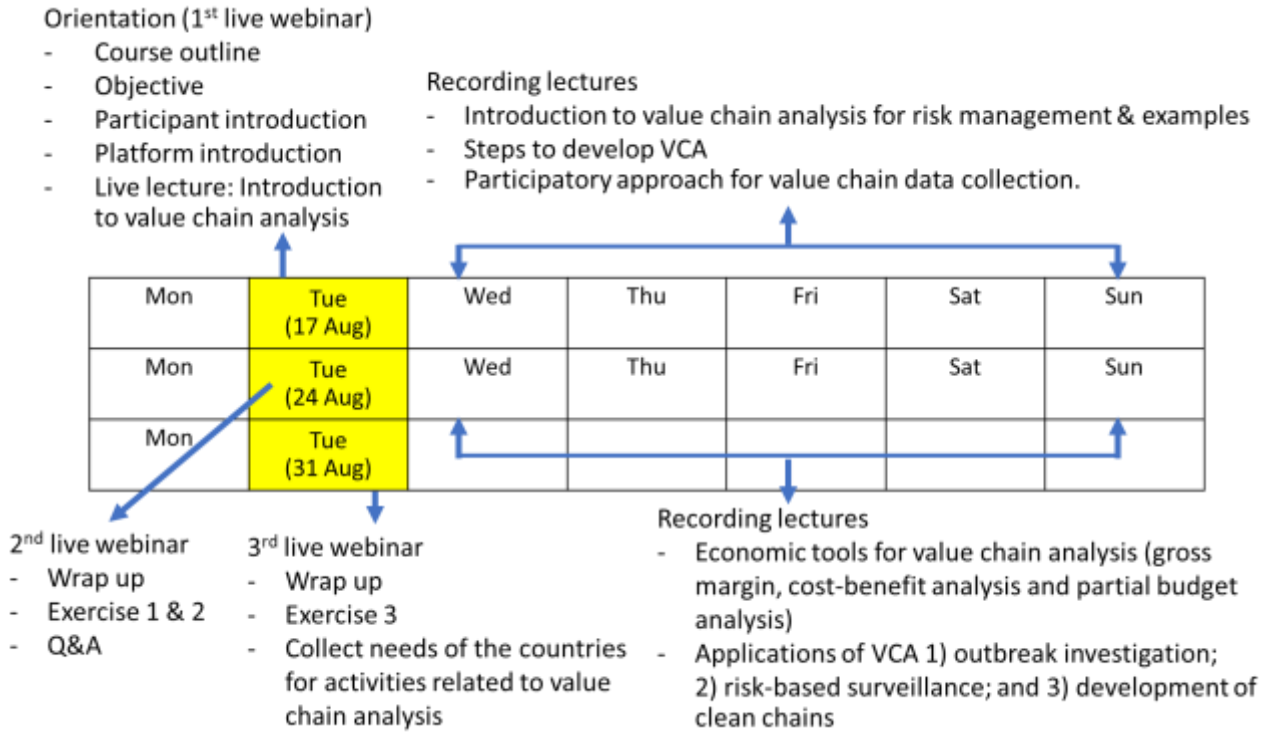
Function 4. Knowledge bank/Resources

b) Recommend reading materials

- Long VDO from other sources e.g. YouTube

- Papers/Reference

- FAO guidelines on VCA



Agenda of Live Webinar

Date	Activities	Main facilitators	Note
Day 1 (Orientation day) **17 August 2021**			
10 min	Opening remark	Kachen	
30 min	Workshop orientation, participant introduction and group photo	Tosapol	
20 min	Platform introduction	VLC	
60 min	Introduction to value chain analysis for risk management & examples	Tosapol	
10 min	**Q & A**		
Day 2 – 24 August 2021			
30 min	Q&A Session	Tosapol	
15 min	**Wrap up** - Introduction to value chain analysis for risk management & examples - Development of value chain analysis - Participatory approach for value chain data collection	Tosapol Waraphon	
40 min	**Exercise 1:** value chain analysis for ASF control and prevention (Mapping)	Damian Tosapol	2 Groups work on live pig

Date	Activities	Main facilitators	Note
10 min	**Hand washing break**		
40 min	**Exercise 2:** value chain analysis for ASF control and prevention (Diagram)	Damian Tosapol	2 Groups work on live pig
5 min	**Day 2 wrap up**		
Day 3 – 31 August 2021			
30 min	Q&A Session	Tosapol	
15 min	**Wrap up** - Economic tools for value chain analysis (gross margin and partial budget analysis) **-** Applications of VCA 1) outbreak investigation; 2) risk-based surveillance; and 3) development of clean chains.	Damian CityU.	
45 min	**Exercise 3:** Identification of risk level & critical control points and risk management	Damian Tosapol	2 Groups work on live pig
20 min	**Group presentation**: Identification of risk level, critical control points and risk management	Participants	
10 min	**Hand washing break**		
30 min	Collect needs of the countries for activities related to value chain analysis e.g., further training in country level**.**	Tosapol	Jamboard
5 min	**Day 3 wrap up**		