



D3.6 Training material of Analytical Epidemiology: Evaluation of Surveillance

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D3.6

D3.6 Training material of Analytical Epidemiology: Evaluation of Surveillance

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Author list

Name	Organisation
Tang Hao	FAOCN
Li Shuo	FAOCN
Marisa Peyre	CIRAD
Flavie Goutard	CIRAD

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PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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Partnership



Food and Agriculture Organization of the United Nations

Food and Agriculture Organization of the United Nations



Animal Production and Health Section

Joint FAO/IAEA Programme for Nuclear Techniques in Food and Agriculture



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Royal Veterinary College



Centre de Coopération Internationale en Recherche Agronomique pour le Développement.



National Veterinary Institute



Shanghai Veterinary Research Institute



Harbin Veterinary Research Institute



China Animal Health and Epidemiology Center



China Animal Disease Control Center



Sociedade Portuguesa de Inovação



Huazhong Agricultural University

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01.

Analytical Epidemiology Training

Analytical Epidemiology Training

Workshop: Evaluation of animal health surveillance

This training was held in Qingdao from 25th to 27th April 2016. Ten Chinese trainers of FETPV participated in the 3-day workshop. The training was delivered by Dr. Marisa Peyre and Dr. Flavie Goutard from CIRAD and facilitated by Tang Hao from FAO China.

Learning objectives

With the emergence of new zoonotic diseases, the capacities of surveillance systems to accurately characterise animal diseases are of public health importance. Timely and relevant evaluations of these systems are critical in order to improve their performance, their cost-effectiveness and to allow for more objective decision-making and acceptance by stakeholders. During these 3 days, the training provided a theoretical and practical application for evaluation of disease surveillance systems and introduced available tools to conduct qualitative and quantitative evaluation. At the end of the workshop participants will be able to:

- Explain the importance of evaluation in surveillance
- Describe the different step in an evaluation framework
- Describe the context of surveillance and the approach
- Identify the evaluation question
- Know and understand the various attributes used for evaluation, how they are linked and select the most relevant ones for their evaluation purpose
- Learn the different methods (qualitative & quantitative) available to assess attributes with the pros and the cons related to their field implementation
- Know and understand some of the tools available to implement economic evaluation of surveillance

The first day was dedicated to the review of surveillance systems in animal health and introduction to evaluation principles. A brief overview of the EVA tool (<http://webtools.fp7-risksur.eu/>), a method developed during the RiskSur project, was as well given. Practical exercises using surveillance systems of Classical Swine Fever in wild boar were used for the participants to understand better how to use the EVA tool.

During the second day, participants were asked to review the list of evaluation attributes that are usually assessed during evaluation. Some discussion and brainstorming sessions were organised to help the participants to understand the definition of attribute and to think of the different type of methods available for evaluation (qualitative, quantitative...). The AccEPT method (Acceptability Evaluation Participatory Toolbox) was explained in depth to the participants. The afternoon was dedicated to practical game on how to use the AccEPT method. Participants were split into 2 groups. In each group, they were asked to play the role of farmers (with backyard pigs), of hunters (of wild boar) and 2 of them were representing the veterinary services undertaking the evaluation of the acceptability of the surveillance system of CSF. Each group had to make final restitution of their finding at the end of the day. During the last day, we looked at the economic evaluation of animal surveillance using practical exercise on CSF (endemic disease) in a province in south Vietnam.

Agenda

Day 1: Monday, 25th April – INTRODUCTION and EVA Tool	
9h00	Introduction to animal health surveillance and Evaluation– <ul style="list-style-type: none"> - Animal Health Surveillance basics - Evaluation framework - Evaluation attributes - Evaluation assessment methods
10h30	<i>Coffee break</i>
11h	Framing the evaluation protocol using EVA tool
12h00	<i>Lunch</i>
13h30	Practicals using the EVA tool and a specific case study: <ul style="list-style-type: none"> - How to describe the surveillance system - How to select and evaluation question - How to select attributes and assessment methods
15h00	<i>Coffee break</i>
15h30	Practicals using EVA tool cont.
16h30	<i>End of the day</i>
Day 2: Tuesday, 26th April – PARTICIPATORY EVALUATION	
9h00	Importance of the functional evaluation attributes <ul style="list-style-type: none"> - surveillance system organization - acceptability and engagement - sustainability
10h30	<i>Coffee break</i>
11h	Participatory methods to assess functional attributes
12h00	<i>Lunch</i>
13h30	Practicals – using role play for surveillance system organization assessment (same case study as for Day 1)
15h00	<i>Coffee break</i>
15h30	Practicals cont.
16h30	<i>End of the day</i>
Day 3: Wednesday, 27th April – Economic evaluation	
9h00	Introduction to Economic evaluation of animal health surveillance <ul style="list-style-type: none"> - cost analysis - cost-effectiveness - cost-benefit
10h30	<i>Coffee break</i>
11h	Introduction to economic evaluation (cont.)
12h00	<i>Lunch</i>
13h30	Practicals using EVA tool – (same case study as Day 1 and 2) <ul style="list-style-type: none"> - How to select an economic evaluation question - How to select value attributes and assessment methods
15h00	<i>Coffee break</i>
15h30	Practical using EVA tool (Cont.)
16h30	Training course evaluation
17h00	End of the training



Annex

Annex 1 List of participants

Participants

Dr Wang Jingfei, Harbin Veterinary Institutes, CAAS

Dr Han Xue, China Animal Disease Control Center

Dr Wei Xinjie, CAHEC

Dr Lan Zouran, Shandong Animal CDC

Dr Liu Hualei, CAHEC

Dr Li Yin, CAHEC

Dr Cui Jixian, Liaoning Animal CDC

Dr Zhang Haiming, Guangzhou Animal Health Inspection

Dr Wang Youming, CAHEC

Dr Shen Chaojian, CAHEC

Mr Tang Hao, FAO ECTAD China

The training material is available online on LinkTADs website under Training section.
<http://linktads.com/events/training>