LinkTADs

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D8.5

Webinar Protocols

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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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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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EXECUTIVE SUMMARY

In an effort to provide a learning platform for exchanges between EU and Chinese institutions, a series of webinar was organized addressing three main topics in animal health.

These initiatives were organized with the ultimate goal of creating a platform for dialogue and cooperation, encourage partnership and share experiences.

The webinars were organized around multi-topics: the first webinar was on how to conduct an outbreak investigation. Participants had an opportunity to learn about the steps that should be followed while conducting an investigation and other elements to be considered.

The second topic looked on antimicrobial resistance, its complexity and ecology. Participants were interested in different models to be applied in monitoring the use of antibiotics.

The third and last topic discussed the issue of rabies and different preventing methods, the constraints faced by veterinary services in implementing those methods were also discussed.

The webinars had a good attendance, interactive participations and were commended by participants as the best way and no-costly way to convey knowledge and expertise of the field in dealing with main issues in disease control and prevention.

INTRODUCTION

These webinars were planned and organized with the support various institutions partners of FAO based in both Europe and China. The webinars attracted a wide range of participants across Europe, USA, and China.

The technology used was “Adobe Conenct”, which is a web-based system that enables a large group of participants to connect at the same time and have opportunities to dialogue and exchange.

All power points presentations are merged in one single document that is uploaded under the system. The webinar as well as the presentations remain available even after the webinar has taken place, since the webinar is recorded, and can be accessed through both FAO and LinkTADs websites.

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01.

Webinar in Disease Outbreak Investigation: more than “take a sample and run”

Webinar on Disease Outbreak Investigation: more than “take a sample and run”

This webinar was delivered on the 9 October 2014, by Dr. Chris Bartels from the European Commission for the control of Foot-and-Mouth disease (EuFMD). The webinar lasted 1.5-hour presentation on the following subjec: Disease Outbreak Investigation: more than “take a sample and run” with focus on China’s situation.

The webinar was co-organized by FAO Headquarters in Rome and FAO China in Beijing, and facilitated by Prof John Edwards, Senior Coordinator of FAO China.

The presentation covered all aspects related to DOI, including what steps to take and how to perform these steps, and the relation between outbreak investigation and Progressive Control Pathway (PCP) stages for FMD (stages 1-3).

The webinar was attended by 22 participants, including LinkTADs partners (the Harbin veterinary research institute (HRVI) of Chinese Academy of Agricultural Sciences (CAAS), the China animal health and epidemiology center (CAHEC), the China animal disease control center (CADC), the Centre de coopération internationale en recherche agronomique pour le développement (CIRAD)), as well as external participants, such as Animal and Plant Health Inspection Service (APHIS), United States Department of Agriculture (USDA), the Veterinary Bureau of Ministry of Agriculture of China (MoA), and FAO’s Regional Office for Asia and the Pacific.

The webinar was found very practical and useful, and was highly valued by participants.

Figure 1. Chris Bartels during his presentation

Links to the webinar:

News: http://www.fao.org/ag/againfo/programmes/en/empres/news_211014.html

http://www.linktads.com/news/29#sthash.ZUcZAoxi.nGwXcwXu.dpbs

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02.

Webinar on Antimicrobial Resistance (AMR)

Webinar on antimicrobial resistance (AMR)

The webinar took place on 5 February 2015 over the course of one and a half hours. It was organised by both LinkTADs and EFFORT (an EU-funded project that studies the complex epidemiology and ecology of AMR). Participants included stakeholders involved in the design and implementation of AMR surveillance programmes, researchers, veterinary services and policy makers in Asia.

Two presenters covered the different aspects related to AMR. Although the focus of the webinar was China, participants represented a broad range of additional countries, including Canada, India, Italy, The Netherlands, Spain, the United Kingdom and the United States of America.

Dr Jaap Wagenaar, from Utrecht University, The Netherlands, presented the ecosystems of AMR, dynamics, transfer and monitoring at the bacterial level, pointing out the importance of integrated surveillance systems, which would enable data comparison from food producing animals, food products and humans. He also presented the two methods for evaluating resistance: Clinical breakpoints (CBPs), based on clinically relevant data (therapeutic indication, clinical response data, dosing schedules, pharmacokinetics and pharmacodynamics); and Epidemiological cut-off values (ECOFFs), which separate the naive, susceptible wild-type population from the populations that have developed reduced susceptibility to a given antimicrobial agent. Dr Wagenaar highlighted the importance of reducing the occurrence of antimicrobial resistance by using the example of commensal Escherichia coli.

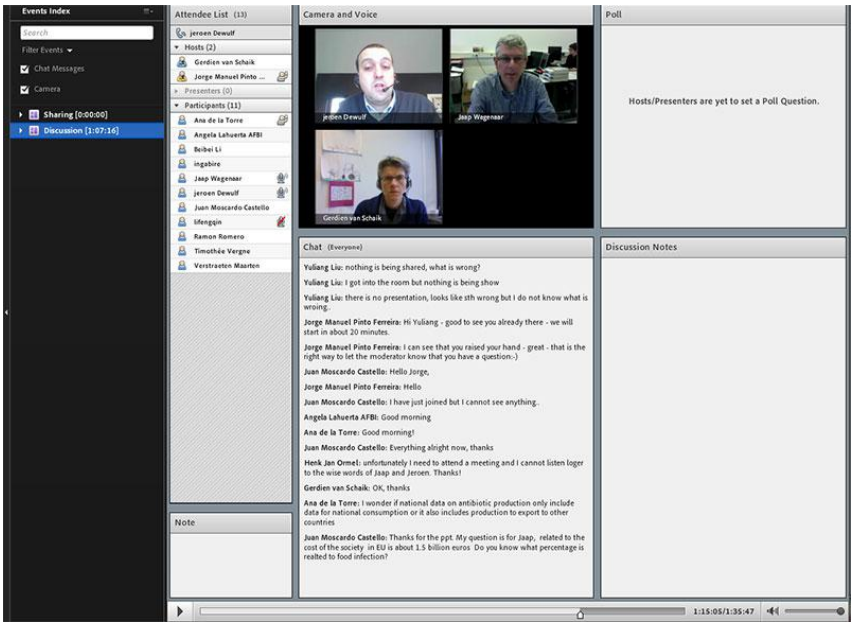

Figure 2. Speakers during questions & answers session

The second topic on monitoring of antimicrobial consumption in animals was presented by Jeroen Dewulf from Ghent University, Belgium. He addressed the various needs for monitoring antimicrobial consumption and the different points where those measures could be taken at national level such as market authorization holders, wholesalers, feed producing companies, veterinarians and pharmacists. He highlighted the limitations in the quantification and comparison of consumption levels, such as the delay that may occur between data collection and consumption point. He also presented the various units available for quantification while comparing their strengths and limitations.

After the presentations, the general discussions with participants focused on the effect of residues in the environment and how this should be included into surveillance systems.

Links to the webinar:

- **News: http://www.linktads.com/news/49#sthash.4Lj4hVrd.dpbs**
- **Record: https://collab.switch.ch/p9oss3cyfa6/**

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03.

Webinar on Rabies Prevention and Control Tools in China

Webinar on rabies prevention and control tools in China

According to WHO, China has the second highest number of reported rabies cases in the world. In the year 2014, China registered 924 human cases, with 854 deaths, mostly in the south-eastern part of China and mostly due to dog bites. In fact, China's dog population has increased dramatically in recent years, with a total of 80 million dogs, 14 million of which live in urban areas. China administers 12-15 million rabies vaccine doses annually and the Chinese authorities are forecasting national rabies elimination by 2025.

This webinar was held in Chinese on the 21 September 2015. Over 30 participants from Chinese animal disease prevention and control centers, veterinary colleges and research institutes participated the meeting. Four presentations were made, each lasting 20 minutes, and followed by 15 minutes of general discussion, on the following subjects:

Rabies diagnosis in China - OIE Ref Lab in China - Changchun Tu (Military Veterinary Research Institute); Dr Tu Changchun introduced the current situation of rabies diagnosis in China, and introduced the international standard sampling and diagnosis methods.

Example of effective rabies prevention and control – Chongqing - Zheng Zeng (Chongqing Animal disease Control Center); Dr Zeng Zheng introduced the work of rabies prevention and control in Chongqing municipality in recent years including the achievements and challenges.

Rabies vaccine research and development – Ling Zhao (Huazhong Agricultural University); Dr Zhao Ling reviewed the history of rabies vaccines and the updates in rabies vaccine research and development, and introduced the future trends of Rabies vaccine development.

Rabies international taskforce - Fusheng Guo (FAO China). Dr Guo Fusheng introduced current rabies status in the world, international initiatives that are working on rabies prevention and control in China.

Links to the webinar:

News: http://www.linktads.com/news/67#sthash.JCh1Pz0M.dpbs

Record: http://pan.baidu.com/s/1jGKqSkA

Presentations: http://linktads.com/about/publications#sthash.JNekPnZP.WfeDQU6N.dpbs