LinkTADs

D4.11. Industry Meeting

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Project title: Linking Epidemiology and Laboratory Research on Transboundary Animal Diseases and Zoonoses in China and EU

Instrument:

KBBE.2013.1.3-04: Coordination of research between EU and China on major infectious diseases of animals and zoonoses

D4.11
Report of LinkTADs WP4 industry meeting

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Author list

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Dissemination Level		
PU	Public	**X**
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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01	26/09/2015	Preliminary version	Shuo Li, FAO ECTAD
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Partnership

Food and Agriculture Organization of the United Nations

Animal Production and Health Section

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

Europa Media Non-profit Ltd.

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.

Meeting Report

The LinkTADs WP4 Industry Meeting: Prevention and Control of Major Swine Diseases — the Achievements of Collaborations between EU and China

Meeting Report

In order to promote the LinkTADs project and share the advanced technologies and project achievements with industrial sector in China, the LinkTADs industry meeting entitled 'Prevention and Control of Major Swine Diseases — the Achievements of Collaborations between EU and China' was held by Harbin Veterinary Research Institute, China Academy of Agricultural Sciences (HVRI, CAAS) in Chengdu, Sichuan Province, China on 16th September, 2015. As one of most important activities of the WP4 (laboratory research), the meeting was aimed at: 1) sharing the advanced experiences and achievements of the project partners on the prevention and control of major animal diseases; and 2) discussing with industrial stakeholders and identifying opportunities and gaps for the future collaborations.

The meeting was held back-to-back with the 10th Animal Disease Prevention and Control Technology Forum, which was jointly organized by HVRI and Harbin Weike Company. Over 147 representatives (32 females) from the Chinese pig industrial sectors participated in the meeting, mainly from large-scale pig farms and bio-product companies. Five invited speakers from the LinkTADs consortium gave presentations on joint research and shared advanced veterinary technologies under LinkTADs. Following the speeches, there was a discussion session in which the experts and industrial representatives communicated with each other and explored the future collaborative opportunities.

The meeting was chaired by Dr. Hua-Ji Qiu from HVRI. Five speeches were delivered during the event:

- On behalf of FAO ECTAD China Office, Dr. Shuo Li delivered a presentation introducing the LinkTADs project and its activities, with a focus on the importance of applying epidemiology when deciding the prevention and control strategies for major animal diseases.
- Dr. Hua-Ji Qiu from HVRI introduced the advanced vaccine research and development for classical swine fever (CSF), and reviewed the current situations and control strategies of CSF in China. He pointed out that the vaccines have to be used properly and they can be a useful tool to achieve eradication of CSF in China.
- Dr. Zhiyong Ma from SHVRI delivered a presentation on the control of Japanese Encephalitis (JE) in China. The work is partially under a joint research project among SHVRI, SVA and CIRAD on JE eco-epidemiology in pigs. In his talk, Dr. Ma reviewed the history and distribution of JE in the world in the past decades, introduced the epidemiology of JE as an zoonotic disease mainly transmitted by mosquitoes, the challenges of JE control in China, including the climate change, the merging of genotypes I and V, and the protective efficacy of a genotype III vaccine. In addition, he shared the recent findings and achievements of the joint research project.
- Dr. Xijun He from HVRI introduced the various aspects of morphologic diagnosis to improve participant's ability to describe gross specimens, enrich participant's vocabulary commonly used in gross pathology and

enhance participant's ability to come up with a morphologic diagnosis. He also focused on the methods of proper sample (blood, tissues and oral fluids) collection and dispatch of the microbiological materials for disease diagnosis.

- Dr. Zhicheng Zhang from CAHEC gave a presentation on epidemiology, diagnosis, and prevention and control strategies of African swine fever (ASF). He also shared the results of risk assessment of ASF introduction via importing pork products and major risk factors through different routes.

During the discussion session, the experts and representatives from the industrial sector exchanged their views on prevention and control, especially early diagnosis, vaccine choice, optimization and evaluation of vaccination of swine infectious diseases. The participants also explored the opportunities for collaboration and discussed how the LinkTADs project may help the Chinese pig industry.

Besides the industry meeting presentations, 8 speakers gave presentations on diverse hot topics in the back-to-back 10th Animal Disease Prevention and Control Technology Forum.

- Dr. Li Feng from HVRI talked about the causes and control measures of porcine diarrhea, focusing on the trivalent live vaccine against porcine epidemic diarrhea, transmissible gastroenteritis and porcine rotavirus.
- Dr. Shouquan Zhang from South China Agriculture University talked about the fine management of reproduction of breeding sows.
- Dr. Guihong Zhang from South China Agriculture University gave a talk on the recent advances in the research on the emerging pseudorabies virus variant.
- Dr. Lianqiang Che from Sichuan Agriculture University gave a presentation on innovative technologies on nutrition of pigs of different ages.
- Dr. Tongqing An from HVRI variations and control strategies of porcine reproductive and respiratory syndrome virus (PRRSV).
- Dr. Chunxiang Tang from delivered a presentation on the personnel management and motivation and performance growth modes in large-scale pig farms.
- Dr. Wei Xia from Weike Company talked about the porcine circovirus type 2-assocaied diseases and the vaccines and control measures.
- Dr. Yang Liu from National Engineering Research Center of Veterinary Biologics introduced the development and applications of diagnostic assays and kits for major swine infectious diseases.

List of 110 organizations that participated in the event

Agricultural Wealth

Anhui Bengbu Badaji Boar Co., Ltd.

Anhui Changfeng Agriculture and Animal Husbandry Science and Technology Co., Ltd.

Anhui Deme Livestock Technology Co., Ltd.

Anhui Fengyang Zuguang Ecological Breeding Co., Ltd.

Anhui Haoxiang Agriculture and Animal Husbandry Co., Ltd.

Anhui Tianxiang Agriculture and Animal Husbandry Science and Technology Co., Ltd.

Benxi Grand Animal Husbandry Co., Ltd.

Cereal Foreign Trade Company

Chengdu Anqiao Breeding Co. Ltd.

Chengdu Jinlai Food Co., Ltd.

Chengdu Yida Animal Husbandry Co., Ltd.

Chengdu Zhengda Animal Health Center

Chengdu Zhengda Animal Husbandry Co., Ltd.

Chongqing Breeding Pig Farm

Chongqing Dazheng Animal Husbandry Development Co., Ltd.

Chongqing Dianjiang Shiguangfa Farm

Chongqing Hailin's Pig Farm

Chongqing Huanggan Ecological Agriculture Development Co., Ltd.

Chongqing Jianghua Breeding Pig Farm

Chongqing Luojianguo's Breeding Pig Farm

Chongqing MeJeDa Ecological Agriculture Development Co., Ltd.

Chongqing Riquan Company

Chongqing Ruineng Animal Husbandry Development Co., Ltd.

Chongqing South Group

Chongqing Xiangchengbin Breeding Pig Farm

Chunyuan Family Farm

Dahongmeng Breeding Pig Farm

Dengta Tianbao Breeding Base

Ecological agriculture development Co., Ltd.

Fengxian Husbandry and Veterinary Station

Fujian Yangbao Biology Co., Ltd.

Fujian Yangbao's Changting Pig Breeding Base

Fuzhou Mufeng Co., Ltd.

Fuzhou Yongqi Animal Husbandry Co., Ltd.

Guangxi Hengxian Lucun Breeding Farm

Guangxi Kexinyuan Group's Livestock Farm

Guangxi Kexinyuan Group's Longan Farm

Guangyuan Bailin

Guangzhou Mphone Veterinary Medicine Co., Ltd.

Guilin Liyuan Feed Co., Ltd.

Guiyang Bridge Breeding Pig Farm

Guiyang Fuzhiyuan Agriculture Technology Co., Ltd.

Guizhou Dingshan farming industry science and technology limited company

Guizhou Kunlun Animal Health Company

Guizhou Tainong Group

Hangzhou Putaike Agricultural Science and Technology Co., Ltd.

Harbin Weike Biotechnology Development Company

Hebei Yufeng Jingan Breeding Co., Ltd.

Hebi Yifa Animal Husbandry Development Co., Ltd.

Hefei Dingde Biological Products Company

Henan Huanghe Flood Area Farm

Hubei Jinlin Pedigreed Animal Husbandry Co., Ltd.

Huludao Fengyuan Animal Husbandry Co., Ltd.

Inner Mongolia Railway Pig Farm

Inner Mongolia Xuhe Breeding Co., Ltd.

Jiangxi Enda Animal Husbandry Co., Ltd.

Jiangxi Minchang Animal Husbandry Co., Ltd.

Jianyang Agricultural School

Jiawang Husbandry and Veterinary Station

Leshan Changyi Food Co., Ltd.

Liangyang Ankang Pig Breeding Co., Ltd.

Linxia Beneficial Swine Industry Science and Technology Ltd

Luoyang Civil Administration Pig Farm

Meishan Wanjiahao Pig Breeding Co., Ltd.

Meishan Yiyuan Agriculture and Husbandry Development Company

Mianyang Henglitong Limited Liability Company

Mianyang Huchuan Ranch

Nanping Star Livestock Co., Ltd.

New Hope

New Hope Group's Breeding Pig Farm

Ningxia Zhongwei Zhengtong Agriculture and Animal Husbandry Co., Ltd.

Peixian Animal Husbandry and Veterinary Station

Pig e Website

Pizhou Husbandry and Veterinary Station

Putian Hongda Animal Husbandry Pig Breeding Base

Qinghai Zhang Family Group's Pig Farm

Runan Foreign Trade Company

Saier

Henan Sanmenxia Dadi Livestock Co., Ltd.

Shangxi Zhengda Co., Ltd.

Shenyang Joyful breeding Pig Farm

Shenyang Zhengcheng Pig Breeding Farm
Sichuan Dekang Group
Sichuan Giastar Animal Husbandry Group
Sichuan Qiquan Group
Sichuan Weiyuan Renyuan Food Co., Ltd.
Sichuan Zizhong Duoduo Food Co., Ltd.
Songyuan Chongxin Farm
Suining Husbandry and Veterinary Station
Suizhong Xusheng Animal Husbandry Co., Ltd.
Tianjin Baodi Breeding Pig Farm
Tie Qi Li Shi Group
Tongshan Husbandry and Veterinary Station
Wannian Wuhu Industry & Trade Co., Ltd
Weiyuan Ranyuan Food Co., Ltd.
Wuhan Humei Pig Improvement Company
Wuhan Zhaohui Yihe Animal Husbandry Co., Ltd.
Xian Kangmu Bio-Tech Co., Ltd.
Xinxiang Guangfa Piglet Breeding
Xinyang Shandu Group
Xinyi Animal Husbandry and Veterinary Station
Xinzheng Yinfa Feed Co., Ltd.
Xuzhou Municipal Husbandry and Veterinary Station
Xuzhou Municipal Agricultural Commission
Yanbian Pig Farm
Yanshan Kanghui Ecological Animal Husbandry Co., Ltd.
Yongxin Agriculture & Husbandry Group
Yurun Group
Zhejiang Jiasen Agriculture & Animal Husbandry Co., Ltd.
Zhejiang Tuanfeng Animal Husbandry Co., Ltd.

Meeting conclusions and future plans

The Industry Meeting achieved a great success, with fruitful presentations and discussions and eager participants more than expected.

If possible, speakers from Europe might be invited in the meeting to share their cutting-edge diagnostic and control technologies in animal health from European partners.

LinkTADs

02.

Agenda

重要猪病防治—中欧合作研究成果交流
中欧联合跨境动物疾病项目（LinkTADs）WP4 产业会议
Prevention and Control of Major Swine Diseases — the Achievements of Collaborations between EU and China – The LinkTADs WP4 Industry Meeting

会议日程

Agenda

背景

中欧联合跨境动物疾病项目（LinkTADs）由欧盟资助，旨在汇集世界一流的研究机构和专家开展广泛合作，协调欧盟和中国之间的研究，从而促进动物卫生领域的进步，特别是在兽医流行病学和实验室研究两大方面。该项目的第四工作组（WP4）由中国农业科学院哈尔滨兽医研究所负责，旨在开展中欧重点关注动物疫病的诊断技术和疫苗研发方面的合作研究。作为项目的重要活动之一，此次 WP4 产业会议的目的是：1）分享项目各参与单位在主要猪病防治方面的研究成果和先进经验；2）与产业利益相关方探讨中欧在兽医产业方面的合作机遇与挑战。

Background

Linking Epidemiology and Laboratory Research on Transboundary Animal Diseases and Zoonoses in EU and China (LinkTADs) is funded by European Commission. This project brings together world-class research institutes and experts in cross-border cooperation with the aim to coordinate research between the EU and China, thus improving scientific excellence in animal health (epidemiology and laboratory). Led by Harbin Veterinary Research Institute (HVRI), Chinese Academy of Agricultural Sciences (CAAS), this work package is aiming at promoting the collaboration between EU and China in the field of research and development of novel diagnostic technologies and vaccines. As one of the important activities, the LinkTADs WP4 industry meeting is aiming at: 1) sharing the advanced experiences and achievements of the project partners on the prevention and control of major swine diseases; 2) discussing with industrial stakeholders and identifying opportunities and gaps for the future collaborations.

时间 Time：2015 年 9 月 16 日　September 16, 2015

地点 Venue：成都望江宾馆（四川省成都市锦江区下沙河铺 42 号）
WangJiang Hotel, Chengdu City, Sichuan Province, China

会议日程 Agenda:

14:00-14:35	协助提高动物疫病防控水平–**LinkTADs** 及其他相关国际合作项目简介 （**35** 分钟）-- 李硕博士， 联合国粮农组织 **ECTAD** 中国办公室 **Improving animal disease prevention and control in China– A brief introduction on LinkTADs and other international collaborative projects** *(35 min) – Dr. LI Shuo, FAO ECTAD China* *提问环节 Questions & Answers*
14:35-15:20	猪瘟疫苗与猪瘟防控 （**45** 分钟）-- 仇华吉研究员，中国农科院哈尔滨兽医研究所 ***Classical swine fever: Vaccines and control strategies*** *(45 min) – Prof. QIU Hua-Ji, Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences* *提问环节 Questions & Answers*
15:20-16:05	日本脑炎防控（**45** 分钟）-- 马志永研究员， 中国农科院上海兽医研究所 ***Control of Japanese encephalitis in China*** *(45 min) – Prof. MA Zhiyong, Shanghai Veterinary Research Institute, Chinese Academy of Agricultural Sciences* *提问环节 Questions & Answers*
16:05-16:15	***茶歇*** *Coffee break*
16:15-17:15	兽医病理学实践（**60** 分钟）--何希君副研究员, 中国农科院哈尔滨兽医研究所 ***Descriptive veterinary pathology and sample collection guidance*** *(60 min) – Dr. HE Xijun, Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences* *提问环节 Questions & Answers*
17:15-10:60	非洲猪瘟的流行病学和风险分析 （**45** 分钟）-- 张志诚副研究员，中国动物健康与流行病学中心 ***African swine fever: Epidemiology and risk analysis*** *(45 min) – Dr. ZHANG Zhicheng, China Animal Health and Epidemiology Center* *提问环节 Questions & Answers*

Photos of the workshop

Figure 1 Presentation by Dr. Shuo Li, FAO China

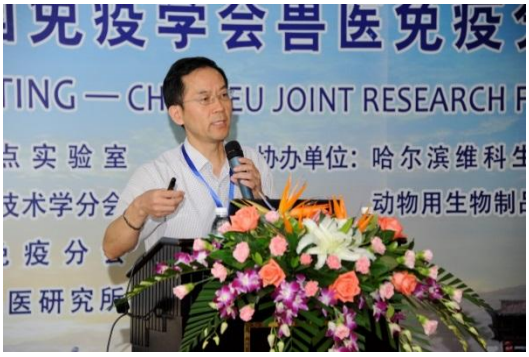

Figure 2 Presentation by Dr. Hua-Ji Qiu, HVRI

Figure 3 Presentation by Dr. Zhiyong Ma, SHVRI

Figure 4 Presentation by Dr. Xijun He, HVRI

Figure 5 Presentation by Dr. Zhicheng Zhang, CAHEC