LinkTADs

D4.9 Project applications

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D4.9
(Project Applications)

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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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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.

Summary

Summary

Within the LinkTADs project, a collaboration network has been established between EU and China, and the partners are applying jointly for research funds supporting international research collaborations in EU and China, to strengthen the collaborative research within the network.

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02.

Follow-up on the Joint Proposal on JEV

Follow-up on the Joint Proposal on JEV

With the collaboration of three LinkTADs partners including SHVRI, CIRAD and SVA, a joint proposal, entitled with "Eco-epidemiology and Risk Analysis of Genotype Shift of Japanese Encephalitis Virus in Pigs and Mosquitoes", was funded by the China-EU international S&T collaboration program, Ministry of S&T, China. This project focuses on eco-epidemiology of Japanese encephalitis virus (JEV) in China, including investigation of mosquito species in the spread/maintenance of JEV isolates in China, and also on risk analysis. So far, two meetings have been organized, including: 1) Between the 19th and 23th July 2015, Dr. Lihong Liu and Frederik Widén from SVA visited SHVRI; 2) Between the 21st and 25th September 2015, two scientists from CIRAD visited SHVRI. During the meetings, organization and performance of this project was further refined and defined among SHVRI, CIRAD and SVA. Several progresses have been achieved, as follows:

1) Sample collection including differential species of mosquitoes;
2) Preliminary data analysis among SHVRI, CIRAD, and SVA.

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03.

Joint proposal submitted by HZAU

Joint proposal submitted by HZAU

Dr. Aizhen Guo at HZAU has set up collaboration with Dr. Eric Baranowski from French National Institute for Agronomic Research (INRA) in 2013. They both had interest in exploring a reliable and fast method to identify bovine *mycoplasma* in animals. Dr. Baranowski came to HZAU as a visiting scholar and worked there for three months from August, 2014. He helped Dr. Guo to build a gene library of bovine *mycoplasma,* which is important for selection of important biomarkers of this pathogen. Based on their previous work, recently they applied for a grant related to the detection of bovine *mycoplasma* supported by both National Natural Science Foundation of China and Agence Nationale de la Recherche of France (http://www.nsfc.gov.cn/publish/portal0/tab87/info48559.htm). This is a 5-year-span project and the total amount is around 3 million Chinese yuan. Now the grant application has passed the preliminary review and will get the final result before the end of the year.

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04.

Joint Proposal submitted by SHVRI

Joint Proposal submitted by SHVRI

Joint proposal entitled with “China-EU collaboration on development of novel technique for surveillance and control of transboundary animal diseases”, has been prepared by LinkTADs’ partners including Chinese and European and submitted to ministry of agriculture (MOA) by Shanghai Veterinary Research Institute, CAAS (SHVRI). This proposal is focusing on development of novel techniques for surveillance and control of transboundary animal diseases. The proposal was submitted by SHVRI, with the participation of HVRI, CADC, CAHEC, HZAU and SVA.

The specific aims are as follows:

To develop the advance detecting techniques for surveillance of transboundary animal diseases, including multiple real-time PCR, multiple detecting techniques based on Luminex methods, and portable real-time PCR for on-spot detection;

To develop an advanced warning system for surveillance and control of transboundary animal diseases including detection techniques based on metagenomics for emerging and reemerging pathogens as well as set-up a model warning system for important animal diseases;

To develop advanced barriers for control of of transboundary animal diseases including generation of new-type of vaccines as well as integration and application of comprehensive techniques for prevention and control of animal disease.

Planned achievements of the proposal:

To develop new techniques and new products for surveillance and control of transboundary animal diseases including multiple real-time PCR, multiple detecting techniques based on Luminex methods, portable real-time PCR for on-spot, metagenomics methods for digestive tract diseases and arboviral diseases;

To develop new models and comprehensive techniques for surveillance and control of transboundary animal diseases including the set-up of warning system for African and classical swine fever and, set-up of comprehensive techniques for surveillance and control of transboundary animal diseases;

To achieve and maintain a long-term and stable China-EU collaboration for study of important transboundary animal diseases including African swine fever, classical swine fever, PRRS, ND, PPR, FMD, influenza and others.

Status of the proposal:

This proposal has been submitted to MOA by SHVRI for 13th five-year-plan of China. Most recently, the proposal was combined with another proposal and modified as “Surveillance and blockage of transboundary animal diseases”, which has been resubmitted to Ministry of Science and Technology of China (MoST). It has become one of prioritized programmes for “the Belt and Road Initiatives” which was announced as a platform for international regional economic collaboration by the Chinese central government.

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05.

Conclusions

Conclusions

Within the LinkTADs project, a collaboration network has been established between EU and China and the partners have applied jointly for research funds supporting international research collaborations in EU and China. With the collaboration of three LinkTADs partners including SHVRI, CIRAD and SVA, a joint proposal focusing on eco-epidemiology of JEV in China has been funded by the China-EU international S&T collaboration program, ministry of S&T, China. Also, HZAU has set up collaborations with INRA and applied for a grant related to the detection of bovine mycoplasma supported by both National Natural Science Foundation of China and Agence Nationale de la Recherche of France. In addition, a joint proposal entitled with “China-EU collaboration on development of novel technique for surveillance and control of transboundary animal diseases”, has been prepared by LinkTADs’ partners including Chinese and European and submitted to Ministry of Agriculture (MOA) by SHVRI with the participation of HVRI, CADC, CAHEC, HZAU and SVA. The next steps will be to apply for more joint research funds supporting international research collaborations in EU and China, and strengthen the collaborative research within the network.