



EU-CHINA Joint Experts' Seminar **on Food, Agriculture and Biotechnologies** *Beijing 10-11 October 2013*

Sustainable agriculture – Subsession on Animal Husbandry

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HORIZON 2020

Research and
Innovation



Session B - Sustainable Agriculture

Parallel subsession on Animal Husbandry

EU Co-Chair:

**Ms Ferry Leenstra, Wageningen University
Livestock Research (NL)**

CN Co-Chair:

**Pr Yang Ning, Dir of National Engineering
Laboratory of Animal Breeding, CAU**

Sustainable Agriculture

Parallel subsession on Animal Husbandry

- **Animal husbandry**
 - **With special focus on animal health (forthcoming initiative) and sustainable production (socio-eco-env)**
 - **Interest of China for aquaculture area: not part of EU priorities in this seminar**



Sustainable Agriculture

Parallel subsession on Animal Husbandry

EU Presentations:

Chair Ferry Leenstra: *"Research & Innovation for Sustainable Animal Production"* (setting the scene)

1) *Implications of industrial pig production in China (?),* **by Dr Mindi Schneider, Institute of Social Studies, Erasmus University, NL**

2) *Control of animal diseases (?),* **by Guo Fusheng, Technical Advisor, FAO (LinkTADs EU project)**



Sustainable Agriculture

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CN Presentations:

- 1) *Genetic breeding of aquatic animals, shrimp, fish and bivalve, by Kong Jie, Yellow Sea Fishery Research Institute (YSFRI)***
- 2) *Technologies for Sustainable Animal Husbandry in China, by Song Weiping, DA BEI NONG GROUP***
- 3) *Cooperation between EU and China on Research and Control of Animal Infectious Diseases and Zoonoses, by Li Chengjun, Harbin Veterinary Research Institute of CAAS***

EU projects on (terrestrial) animal health/livestock production involving CN partners

- **FP6: 7**
- **FP7: 12**

Example of FP7 collaborative projects on Animal Health

PIROVAC

- **CN Participant: Lanzhou veterinary research institute**
- **Budget for Chinese partner: 180,000 € out of circa 3 Mio, running till end March 2014**
- **Objective: Improvement of current vaccine and development of new vaccines for theileriosis and babesiosis (small ruminant piroplasmosis) through exploitation of genomic data**
- **SICA (China and Central Asia)**
- **EU Coordinator: Jabbar Ahmed (Germany)**

FP7 – framing cooperation on AH (1) STAR-IDAZ CSA

- CSA to promote coordination and cooperation at global level of research programmes in the area of animal health - Mandatory ICPC (Latin America and Asia) – €1mio - running till Feb2015
- **Objective:** establishment of an international forum of R&D programme owners/managers and international organisations for the purpose of sharing information, improving collaboration on research activities and working towards common research agendas and coordinated research funding on the major animal diseases affecting livestock production and/or human health.
- **EU Coordinator: DEFRA,UK**
- **CN participant: CAAS**
- Disease specific & regional networks (e.g. Asia-Oceania regional network)



FP7 – framing cooperation on AH (2) LinkTADs CSA (forthcoming)

- CSA on coordination of research between EU and China on major infectious diseases of animals and zoonoses - €1mio for 3 years
- **Objectives:**

Identify the priority areas, where joint actions are needed; link the research activities carried out on by European and Chinese research programmes; ensure a wide-range networking of scientific communities and stakeholders; provide a long term vision and achieve coordinated planning on future common research; contribute to the international policies of the EU; improve the research capacity of organizations by supporting young researchers through exchange programmes and training; share the results and methodologies within and outside the consortium.
- **EU Coordinator: FAO**
- **CN participant:** Shanghai Veterinary Research Institute - CAAS; Harbin veterinary research institute of CAAS; China Animal Health & Epidemiology Center; China Animal Disease Control Center; Huazhong Agricultural University

Expected outcomes

- **Animal health: advertise LinkTADs; verify commitment of CN for cooperation and complementary actions; possibly indentifying concrete topics**
- **Identify other areas of interest and possible topics, in particular on sustainable livestock production**
 - **Reinforce cooperation in a win-win approach**
 - **Challenge driven, innovation in**