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4th Sino-German Agricultural Week 26-28 November 2018, Beijing Science & Technology Leading Green Development

Agenda

Monday, 26 November

Forum on Digitalization in Agriculture (CAAS)

Tuesday, 27 November 2018

Forum on Environmentally friendly Sustainable Livestock Development (Landmark Hotel)

Wednesday, 28 November 2018

The 4th Sino-German Agricultural Dialogues and Exchange (Landmark Hotel)

Sponsored by:

International Cooperation Department

Ministry of Agriculture and Rural Affairs, MARA, P.R. China

And

International Cooperation Department

Federal Ministry of Food and Agriculture, BMEL, Germany

Organized by:



1. The Background

As an important initiative of Sino-German bilateral cooperation, with an agreement signed by the Chinese Premier Li Keqiang and the German Federal Counsellor Angela Merkel, the Sino-German Agricultural Centre (DCZ) was launched in Beijing in March 2015. In April 2018 the DCZ entered its 2nd Phase. The objective of the DCZ is to promote the cooperation between China and Germany in the agriculture and food sector and to support China's sustainable agriculture development as well as dialogues on agricultural related issues commonly concerned by the two countries. The DCZ 2nd phase consists of four components: (1) Agricultural Policy Dialogue; (2) Agri -and Food Business Dialogue; (3) Agricultural Scientific and Technological Dialogue; and (4) Public Relations and Networking. China's Ministry of Agriculture and Rural Affairs (MARA) and the German Federal Ministry of Food and Agriculture (BMEL) are the executing partners. The Foreign Economic Cooperation Center (FECC), the Chinese Academy of Agricultural Sciences (CAAS), IAK Agrar Consulting GmbH and Leibniz Institute of Agricultural Development and Transition Economies (IAMO) are the implementing partners.

As a platform for promoting policy, scientific and business dialogue between the two countries, the 4th Sino-German Agricultural Week will be held from 26 to 28 November 2018 in Beijing. Also part of the Agricultural Week with separate agendas are the "Official Opening Ceremony, Phase 2 DCALDP from 2018 to 2021" in Huanghai Demonstration Park (24 November), organized by the Sino-German Crop Production and Agrotechnology Demonstration Park (DCALDP) in Huanghai and the "Sino-German Cattle Symposium" organized by the Sino-German Cooperation Project on Animal Breeding and Husbandry in Harbin (30 November – 1 December).

The mission of the events is to promote the development of green agriculture in the two countries via policy, scientific and agri-business dialogues and by mutually sharing best experiences.

2. Major thematic areas

1. Smart and digital agriculture and rural development

- (1) Policy and institutional environment of smart and digital agriculture
- (2) Development of Digital technologies
- (3) Big Data in Farm Management and Food Quality Management

2. Environmental-Friendly and Sustainable Livestock Development

- (1) Policy Dialogue: Policy and Institutional Framework for Sustainable Livestock Production;
- (2) Dialogue on Technology Development and Adoption for Sustainable Livestock Production ;
- (3) Dialogue on animal epidemic and disease management, animal health and welfare, etc.;
- (4) Sino-German Enterprise Dialogue on Sustainable Livestock Production

3. Presentation of achievements in Sino-German Agricultural Cooperation

- (1) Achievements of DCZ project;
- (2) Achievements of Sino-German Cooperation Project for Animal Husbandry;
- (3) Sino-German Crop Production and Agro-technology Demonstration Park
- (4) Sino-German Young Farmer's Exchange and Training Project

3. Expected outputs

- (1) Proceedings of 4th Sino-German Agricultural Week;
- (2) Suggested thematic areas on Digitalization in Agriculture for future scientific cooperation and exchange between China and Germany, policy recommendations for promoting the development and adoption of digital technologies in agriculture in two countries;
- (3) Suggested thematic areas on environmentally friendly and sustainable livestock development for bilateral technical and policy dialogues and exchange, policy recommendations for promoting the technology development and adoption for achieving sustainable livestock development in two countries.

4. Participants

- (1) Governmental Officials from MARA and BMEL;
- (2) Experts from Chinese and German universities and research institutions;
- (3) Chinese and German agricultural enterprises , Technology Development Enterprises and Livestock Product Traders;
- (4) Chinese and German Public Media

Monday 26 November 2018

Forum on Digitalization in Agriculture

Venue: Chinese Academy of Agricultural Sciences (CAAS), Institute for Agricultural Resources and Regional Planning (IARRP)

| Date/time | Activities /Topics | Chair /Speakers |
|---|---|--|
| 25 November 2018: Arrival of German and Chinese participants in Beijing | | |
| Whole day | Arrival of guests and participants in Beijing and check-in at Landmark Hotel | |
| 26 November 2018: One day Forum Smart Agriculture and digital rural development at Chinese Academy of Agricultural Sciences (CAAS) | | |
| 8:30 -9:00 | Registration | CASS |
| 9:00-9:30: Opening speeches Moderation: Prof. ZHANG Bin (S&T Platform, CAAS) Dr. Eva Sternfeld (S&T Platform, DCZ) | | |
| 9:00-9:15 | Chinese side | n.n. |
| 9:15-9:30 | German side | Axel Wildner, German Embassy Counsellor for Food and Agriculture |
| 9:30 – 10:30 | Session 1: The big picture—Chances and Challenges of Smart Agriculture and rural Digitalization Moderation: Prof. ZHANG Bin (S&T Platform, CAAS) Dr. Eva Sternfeld (S&T Platform, DCZ) | |
| 9:30-9:50 | Developing smart agriculture to promote digital China construction | Prof. Dr. HE Changchui, Former Secretary-General, Food and Agricultural Organization of the United Nations (FAO) |
| 9:50-10:10 | Chances and Challenges of Smart Technologies in Agriculture | Prof. Dr. Cornelia Weltzien, Leibniz Institute for Agricultural Engineering and Bioeconomy and Technical University Berlin |
| 10:10-10:20 | Q&A | |
| 10:20 –10:30 | Tea break & group photo | |

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| 10:30-12:30 | Session 2: State of research and technological development: Smart Farming 4.0 on path to 5.0? Moderation: Prof. Cornelia Weltzien (TUB, ATB), Prof. HE Changchui (FAO) | |
| 10:30-10:45 | Precision Farming Practices in Germany | Volkmar Herbst, IAK Consultant, agricultural engineer and GIS/IT specialist Granfield University (UK), Humboldt University Berlin |
| 10:45- 11:00 | Smart Sensing of Agricultural Land Systems | Prof. Dr. WU Wenbin, Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences |
| 11:00-11:15 | Spatial-temporal modeling and monitoring of extreme weather event conditions | Dr. Markus Möller, Julius-Kühn Institute, Institute for Strategies and Technology Development |
| 11:15-11:30 | Application of Smart Agricultural Technologies in Modern Breeding | Prof. Dr. XIONG Wei, Institute of Resource and Environmental Development, CAAS |
| 11:30-11:11:45 | Crop Pest and Disease Monitoring and Forecasting System in China | Prof. Dr. HUANG Wenjiang, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences |
| 11:45-12:00 | 3 D Modeling Methods for Agricultural Application | LI Minhui, Leibniz Institute for Agricultural Engineering and Bioeconomy, TU Berlin |
| 12:00-12:30 | Q&A | |
| 12:30-13:30 | Lunch | |
| 13:30-15:00 | Session 3: ICT for Farm and Food Management Moderation: Prof. WU Wenbin (CAAS), Dr. Markus Möller (JKI) | |
| 13:30-13:45 | Data-driven agricultural intelligence: from experiment to modeling | Prof. Dr. SHI Liangsheng Wuhan University |
| 13:45-14:00 | Remote Sensing and A.I. Partner up for the next generation of farm consultancy | Dr. Bastian Kubsch, Smart Cloud Farming, Centre for Entrepreneurship, Technical University Berlin |
| 14:00-14:15 | Intelligent Fish welfare monitoring | Dominik Ewald, MonitorFish |
| 14:15-14:30 | tbc | Prof. Dr. CHENG Tao, Nanjing Agriculture University |
| 14:30-14:45 | Food safety visualization: Traceability system development and application in China | Prof. Dr. QIAN Jianping, Beijing Research Center for Information Technology in Agriculture |
| 14:45-15:00 | Q&A | |
| 15:00-15:15 | Tea Break | |
| 15:15-16:00 | Session 4: Concluding Panel Discussion— Where are we heading to? | Panelists: Weltzien, WU Wenbin And public discussion |

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| 16:00-16:15 | Wrap up and concluding remarks | Zhang Bin (S&T platform, CAAS) Eva Sternfeld (S&T PlatformDCZ) |
| 16:15 –17:00 | Visit of National Agricultural Science and Technology Park, CAAS | |

Tuesday, 27 November 2018

Forum on Environmentally friendly Sustainable Livestock Development

Venue: Beijing Landmark Hotel

| Date/time | Activities /Topics | Chair /Speakers |
|-------------------|--|---|
| 8:00 | Registration | |
| 9:00-9:10 | Opening Session | Chair: Executive Director-General, FECC |
| | Chinese side | Department of International Cooperation, MARA /FECC |
| | German Side | BMEL |
| 9:10-12:30 | Session 1. Environmentally friendly Sustainable Livestock Development: Challenges, Opportunities and Policies | Prof. Dong Hongmin, Deputy Director, Institute of agricultural environment and sustainable development, CAAS |
| 9:10-9:40 | Chinese regulatory and policy framework for environmentally friendly and sustainable livestock development in China | Policy and Reform Department/Animal Husbandry Department of MARA |
| 9:40-10:10 | Experience sharing in sustainable livestock development and animal welfare implementation in the EU | Gudrun Gallhoff, Minister Counsellor, Health and Food Safety, Delegation of the European Union |
| 10:10-10:30 | Tea break and group photo | |
| 10:30-11:00 | Analysis of China's environmental tax policy | Ministry of Ecology and Environment |
| 11:00-11:30 | Review of environmentally friendly animal husbandry development in China | Chinese expert |
| 11:30-12:00 | Swine industry sustainable development from the perspective of animal health | Prof. Dr. Eberhard Haunhorst President, Lower Saxon Office of Consumer Protection and Food Safety |

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| 12:00-12:30 | Q&A | |
| 12:30-13:30 | Lunch | |
| 13:30-17:15 | Session 2: Environmentally friendly sustainable livestock related technologies and best practices | Chair: Dr. Jürgen Ritter Managing Director of DCZ and Prof. Liu Yonggong, DCZ |
| 13:30-14:00 | Nitrogen Recycling in livestock production | China Agricultural University |
| 14:00-14:30 | Greenhouse gas emission and control in livestock production | Prof. Dr. Dong Hongmin, CAAS |
| 14:30-15:00 | Success story of a German pig farm | Dr. Jens van Bebber, Bodenkamp Farm |
| 15:00-15:30 | Layout of Chinese husbandry with environmental compatibility | Chinese expert |
| 15:30-16:00 | Environmental standards and monitoring certification for German animal husbandry industry | Prof. Dr. Jörg Oldenburg, Ingenieurbüro Oldenburg, Immissionsprognosen-UVS- BlmSchGJörg Oldenburg |
| 16:00-16:15 | Tea Break | |
| 16:15-16:45 | The treatment of livestock waste in China and its technical and economic analysis | Chinese expert |
| 16:45-17:00 | Case study of Chinese livestock and poultry enterprises | Deqingyuan or Wen's |
| 17:00-17:15 | Q&A | |
| 17:15-17:30 | Summary and wrap up | DCZ |

Wednesday, 28 November 2018

The 4th Sino-German Agricultural Dialogues and Exchange

Venue: Beijing Landmark Hotel

| Date/time | Activities /Topics | Chair /Speakers |
|--------------------|--|--|
| 8:30-9:00 | Registration | |
| 9:00-10:30 | Opening Session | Chair: Li Hongtao, Deputy Director-General FECC |
| 9:00-9:10 | Welcome Speech by Chinese side | International Cooperation Department, MARA |
| 9:10-9:20 | Welcome Speech by German side | F. Wacker, Deputy Director General, International Cooperation Department, BMEL |
| 9:20-9:30 | Welcome Speech by FECC | Mr. Yang Yi, Director General of FECC, Political Director of DCZ |
| 9:30-9:40 | Welcome Speech by CAAS | CAAS (tbc) |
| 9:40 -10:10 | Introduction to DCZ, Achievements in 2018 and outlook to 2019 | Mr. Tang Zhishao Dr. Jürgen Ritter |
| 10:10-10:30 | Tea break & group photo | |
| 10:30-12:30 | Sino-German Agricultural Policy Dialogues (APD) | Chair: Tang Zhishao, FECC |
| 10:30-11:00 | Practice of German rural revitalization and its inspiration | Ye Xingqing, Director-General, Rural Economy Research Department, Development Research Centre of the State Council |
| 11:00-11:30 | The policy of sustainable development of environmentally friendly animal husbandry in China and the inspiration from the study tour to Germany | Director-General, Department of Policy and Reform, MARA |
| 11:30-12:00 | Status and prospect of digital agriculture Development in China | Prof. Wu Wenbin, CAAS |

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| 12:00-12:30 | Digital agriculture technology development (tbc) | Prof. Dr. Cornelia Weltzien, Leibniz Institute for Agricultural Engineering and Bioeconomy and Technical University Berlin |
| 12:30-13:30 | Lunch | |
| 13:30-14:50 | Presentation of Sino-German Agricultural Cooperation Projects | Chair: Dr. Jürgen Ritter Managing Director of DCZ |
| 13:30-13:50 | Cooperation Project on Animal Breeding and Husbandry in China | National animal husbandry station |
| 13:50-14:10 | Sino-German Crop Production and Agricultural Technology Demonstration Park | Team leader Dr. Joachim Marquardt |
| 14:10-14:30 | Sino-German Young Farmer's Exchange Program | International exchange and service center, MARA and Frederik Tipp, Head of International Projects, DLG International GmbH |
| 14:30-14:50 | Sino-German seed industry dialogue and future cooperation | Ma Shuping, Vice-President of China National Seed Association |
| 14:50-17:20 | Sino-German Agri-Food Business Dialogue | Chair: Xie Dongsheng, FECC and Prof. Liu Yonggong, DCZ |
| 14:50-15:10 | Digital Technologies for organic food certification and quality traceability | Prof. Xiao Xingji, China Organic Food Development Center (OFDC) |
| 15:10-15:30 | Organic farming in Pujiang county, Sichuan province | Pujiang county, Sichuan province |
| 15:30-15:50 | Cases from Sino-German cooperation project on pig disease purification | Boehringer Ingelheim |
| 15:50-16:10 | ICT in Modern Agricultural Platform by SinoChem Agriculture | Dr. Qi Wei, Digital Agriculture Division, SinoChem |
| 16:10-16:30 | Tea Break | |
| 16:30-16:50 | Digital Technologies in Vegetable Quality Monitoring and Traceability | Dr. Liu Yanfei, Beijing TianAn AgriculturalCo., LTD |

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| 16:50-17:10 | Smart Farming Management in a large farm | Reiner Stauch, Agricultural Cooperative in Langenchursdorf |
| 17:10-17:20 | In-Field Application of Livestock Manure Nutrient Measurement System | André Wendt, Business Development Director China Holmer Maschinenbau GmbH |
| 17:20-17:40 | Wrap up and outlook | Li Hongtao, Deputy Director-General FECC |
| 18:00-21:00 | Banquet | |