EU–CHINA FOOD, AGRICULTURE AND BIOTECHNOLOGY (FAB) FLAGSHIP INITIATIVE

A COMPREHENSIVE RESEARCH AND INNOVATION COOPERATION PROGRAMME TO TACKLE SUSTAINABLE AGRICULTURE, FOOD SECURITY AND SAFETY IN THE EU AND CHINA

Priority Areas of mutual interest for EU China research and innovation collaboration
Jointly identified and agreed by European and Chinese policy makers and experts

1. **Food related issues**: food safety, and quality, food processing, logistics, inspection and controls, traceability, sustainable consumption, food waste;

2. **Sustainable agriculture**: integrated pest management, organic and low-input farming, crop variety development, water and soil management, animal health and welfare, sustainable livestock breeding and production, urban agriculture;

3. **Biotechnologies**: new bio products, biomass sources and standards;
FAB FLAGSHIP 1st PHASE – WORK PROGRAMME 2014/2015

A first phase implemented through the Horizon 2020 work programme 2014/2015, included seven topics in areas of common interest. Eleven projects with Chinese participants started or will shortly kick-off. The 2014 call resulted in seven ongoing projects with a total of EU investment of 59 million euros. The seven projects involve 144 partners including 14 partners from China. The 2015 call resulted in four ongoing projects with a total EU investment of 25.8 million euros. The four projects involve 104 partners in total, including 21 partners from China.

2014 calls: 7 ON-GOING PROJECTS

SAPHIR
Strengthening Animal Production and Health through the Immune Response
www.h2020-saphir.eu

FEED-A-GENE
Adapting the feed, the animal and the feeding techniques to improve the efficiency and sustainability of monogastric livestock production systems
www.feed-a-gene.eu

EUCLID
EU–CHINA Lever for IPM Demonstration
www.euclidipm.org

PARAGONE
PARAGONE: vaccines for animal parasites
www.paragoneh2020.eu

ISQAPER
Interactive Soil Quality Assessment in Europe and China for Agricultural Productivity and Environmental Resilience
www.isqaper-project.eu

LANDMARK
LAND Management: Assessment, Research, Knowledge base
www.landmark-project.eu

REFRESH
Resource Efficient Food and dRink for the Entire Supply cHain
www.eu-refresh.org

MycoKey
Integrated and innovative key actions for mycotoxin management in the food and feed chain
http://www.mycored.eu/d/84/Myc oKey/

MyToolBox
Food and Feed through an Integrated Tool Box for Mycotoxin Management
https://www.mytoolbox.eu/

2015 calls: 4 ONGOING PROJECTS

Agrocycle
Sustainable techno-economic solutions for agricultural value chain
[To start in June 2016]

MyToolBox
Resource Efficient Food and dRink for the Entire Supply cHain
www.eu-refresh.org

NoAW
Innovative approaches to turn agricultural waste into ecological and economic assets
[To start in October 2016]

59 Million EURO
144 Partners in total
14 Partners from CHINA

25.8 Million EURO
104 Partners in total
21 Partners from CHINA
FAB FLAGSHIP 2\textsuperscript{nd} PHASE – WORK PROGRAMME 2016/2017

For the second phase of the FAB Flagship, five topics were identified and drafted together for the first time ever within the EU-China FAB Task Force. The areas for cooperation have been approved by the Joint Steering Committee on EU China S&T Cooperation, and topic texts have been confirmed by the EU-China High Level Innovation Cooperation Dialogue (ICD). Calls for proposals are now published under the HORIZON 2020 Work Programme for 2016/2017, with a total budget of EUR 27 million for EU partners in future selected projects. Chinese partners will be able to apply for financial support through the new EU-China Co-funding Mechanism for which the first call was published by China’s Ministry of Science and Technology on 16 December 2015 (http://www.most.gov.cn/mostinfo/xinxifenlei/fgzc/gfxwj/gfxwj2015/201512/t20151216_122975.htm)

MOST call (Chinese version) | MOST call (English translation)

### 5 TOPICS ARE PUBLISHED UNDER HORIZON 2020 SOCIETAL CHALLENGE 2

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<th>SFS 45: Increase overall transparency of processed agri-food products</th>
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<th>SFS 46: Alternative production systems to address anti-microbial drug usage, animal welfare and the impact on health</th>
<th>SFS 47: Management of soil-water resources in the EU and China and its impact on agro-food ecosystem functions</th>
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THE EU–CHINA FAB FLAGSHIP INITIATIVE
BACKGROUND INFORMATION

Being the two biggest food producers in the world, China and the EU, share a common goal to join forces for addressing challenges related to food security, food safety, healthy diets, animal health and sustainable agriculture. Research and innovation cooperation in Food, Agriculture and Bio-technology (FAB) can make a major contribution to these important common and global challenges.

The EU China Task Force on Food, Agriculture and Biotechnologies was created in 2011 as thematic working group under the Joint Steering Committee for EU China S&T Cooperation. Through extended discussions among experts from both sides at the EU-China Experts’ seminar on R&I cooperation on FAB and at the 3rd EU-China FAB Task Force meeting in October 2013 mutually beneficial objectives and areas of common interests were identified. Subsequently, the EU-China FAB Flagship Initiative on Food, Agriculture and Biotechnologies was officially launched at the EU-China Summit on 21 November 2013 with the signature of a Letter of Intent on Research and Innovation Cooperation in FAB between the European Commission and the Chinese Academy of Agricultural Sciences (CAAS). It was also announced during the 1st EU-China Innovation Cooperation Dialogue in November 2013.

It is in the interest of the European Union (EU) to ensure that China is moving towards more sustainable agro-food production systems, as unsustainability in China might have severe knock-on effects in an increasingly globalised market. The opportunity to export new advanced sustainable technologies and scale-up the potential of the Chinese market will enhance innovation in Europe and contribute to growth and jobs. Ensuring sustainable food production systems in China will also increase global trade predictability, overall productivity, transparency of the food chain and resource-efficiency.

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DG Research and Innovation: RTD-F3-PO@ec.europa.eu

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CHINESE ACADEMY OF AGRICULTURAL SCIENCES (CAAS): www.caas.cn/en

MINISTRY OF SCIENCE AND TECHNOLOGY (MOST): www.most.gov.cn