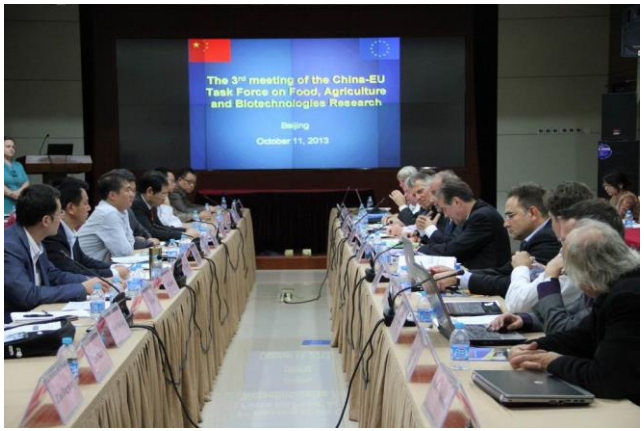
China-EU R&I Cooperation Within The FAB Flagship Initiative

2016.10.27

Outline

- Brief on background of FAB Task Force and FAB Flagship Initiative
- FAB Flagship projects in WP14/15 & WP 16/17
- FAB Flagship projects in 2018-2020 under the Co-funding Mechanism

Brief on background of FAB Task Force and FAB Flagship Initiative



The China-EU Food, Agriculture and Biotechnology (FAB) Task Force was established in 2011 under the framework of China-EU Joint Steering Committee on S&T Cooperation which was co-established by the MOST and DG RTD.

EU Members:

European Commission

Directorates-General of Agriculture and Rural Development (AGRI)

Directorates-General of Research and Innovation (RTD)

CN Members:

CAAS

CHINESE ACADEMY OF FORESTRY

中国水产科学研究院
CHINESE ACADEMY OF FISHERY SCIENCES

CATAS 1954

中国农业大学
CHINA AGRICULTURAL UNIVERSITY
1905

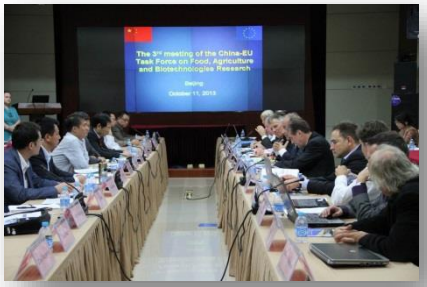
Function of FAB TF

- Building an seamless connection and open dialogue pathway to enhance mutual understanding

- Coordinating experts from both sides in identifying priorities, jointly submitting the EU project proposals and conducting collaboration

- Providing background documents for high level coordinating bodies e.g. Joint Steering Committee on S&T Cooperation and hence to facilitate decision making process

Working mechanism of FAB TF



Annual meeting with purpose of summarizing the progress and formulating work plans and strategies

Regular VCs aiming at improving timely and seamless connections and communication

Expert workshop/seminars aims to enhance the partnership between China and EU researchers

China-EU FAB Flagship Initiative

1st China-EU Expert Seminar on FAB was held in Beijing in October of 2013

The 3rd FAB Task Force Meeting welcomed the outcome of the Expert Seminar which helped to define a China-EU R&I cooperation initiative on FAB named "**China-EU FAB Flagship Initiative**" and agreed on the following priority areas which lead to a solid foundation for China-EU cooperation under the framework of H2020.

Food Safety	Urban Agriculture	Soil and Land Management
Plant Breeding	Animal Health and Production	IPM and Biological Control

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FAB Flagship Initiative projects in WP14/15 & WP 16/17

- For the first stage of H2020 (2014-2015), 7 calls in total targeted the FAB Flagship Initiative

Topics		Submission Deadline
SFS-01a-2014:	Genetics and nutrition and alternative feed sources for terrestrial livestock production	12 March 2014
SFS-01b-2014:	Tackling losses from terrestrial animal diseases	
SFS-03b-2014:	EU-China cooperation on IPM in agriculture	
SFS-04-2014:	Soil quality and function	
WASTE-2-2014:	A systems approach for the reduction, recycling and reuse of food waste	08 April 2014
SFS-13-2015:	Biological contamination of crops and the food chain	03 February 2015
WASTE-7-2015:	Ensuring sustainable use of agricultural waste, co-products and by-products	21 April 2015

- Finally, 11 proposals passed the final review and 37 CN partners joined the relevant projects

Call topic	Proposal acronym	CN partners
SFS-01a-2014	Feed-a-Gene	CAU
SFS-01b-2014	SAPHIR	SHVRI (CAAS)
	Paragone	LVRI (CAAS)
SFS-03b-2014	EUCLID	IPP (CAAS), ZJU, Noah Organic Farm, Carrefour China
SFS-04-2014	iSQAPER	IARRP (CAAS), ISWC (CAS), ISS (CAS), SFI (SAAS)
	LANDMARK	ISS (CAS)
WASTE-2-2014	REFRESH	IGSNRR (CAS), All-China Environment Federation
SFS-13-2015	Mycokey	IPP (CAAS), ORI(CAAS), SIBS(CAS), ZJU, HZAU, JAAS, HBAAS, SJTU, etc.
	MyToolBox	IFST (CAAS), FRI (CAAS), ASAG
WASTE-7-2015	Agrocycle	CAU, NJUT, Reset Carbon Limited
	NoAW	IFST (CAAS), CityU HK, SYSU, etc.

- 4th FAB Task Force Meeting took place in Brussels in 2014, and at this meeting two sides decided to refine the FAB Flagship Initiative priorities for 2016-2017 further based on the results of 1st Expert Seminar and to co-draft the related H2020 call texts.

  - CAAS collected the concept notes for 2016-2017 priorities from all FAB Task Force CN members, meanwhile EU also collected ones from their relevant institutes.

  - FAB Task Force held several video conferences to discuss on potential priorities extendedly based on the collected concept notes.

- 5th FAB Task Force Meeting took place in Beijing in 2015, and both sides agreed:

  - Five topics of common interest were selected for the second phase of the FAB Flagship Initiative (2016-2017)
    - plant breeding for legume crops
    - animal production and welfare
    - urban agriculture
    - food safety and transparency of processed agro-food products
    - management of soil water resources

  - Successful implementation of the FAB Flagship Initiative will only be ensured if appropriate and sustainable funding mechanisms from both sides

- Second stage of H2020 (2016-2017), 5 calls targeted the FAB Flagship Initiative

	Topics	Submission Deadline
SFS-44-2016:	A joint plant breeding programme to decrease the EU's and China's dependency on protein imports	17 February 2016
SFS-45-2016:	Increase overall transparency of processed agri-food products	
SFS-46-2017:	Alternative production system to address anti-microbial drug usage, animal welfare and the impact on health	14 February 2017
SFS-47-2017:	Management of soil water resources in the EU and China and its impact on agro-ecosystem functions	
SFS-48-2017:	Resource-efficient urban agriculture for multiple benefits-contribution to the EU-China Urbanization Partnership	

The first stage evaluation of 2016 call was just finished

FAB Flagship Initiative projects in 2018-2020 under the Co-funding Mechanism

- A general agreement on China-EU Co-funding Mechanism for Research and Innovation (CFM) was launched in 2015, but the detailed modalities still need to be discussed and defined.

  - Based on the above circumstance, in the first CFM calls released in December of 2015, the MOST decided to provide funding to CN institutes who have already involved in H2020 WP14/15 approved projects.

  - Up to date, 10 proposals in broad agriculture have been getting approval initially, amongst these, 7 proposals are the FAB Flagship Initiative projects.

  - How about 2016-2017?

- To improve the China-EU collaboration on FAB, two sides collected the concept notes separately aiming at identifying priority areas for 2018-2020

CN side

- Authorized by the MOST, CAAS took the lead in collecting concept notes for 2018-2020
- 100 concept notes were received from 10 institutions, including CAAS, CAU, CAS, ZJU, etc.
- 10 priority areas were consolidated under the guidance of the MOST

- Through preliminary discussion between the two sides, 7 priority areas were selected, which will be discussed in this FAB expert seminar:

  - *Management of genetic resources and pre-breeding*
  - *Bioinformatics*
  - *Integrated plant protection*
  - *Nutrient recovery and recycling (NRR) from agricultural and other organic waste*
  - *Basic research on intra-cellular pathogens of animals*
  - *Food safety controls across the agri-food chain*
  - *Soil quality restoration and land management*

Based on the discussion during this expert seminar, the MOST and DG AGRI & RTD will make the final decision on the research areas for 2018-2020 China-EU FAB Flagship Initiative and find a good modality for CFM.

Thanks