



**2007 – 2013**

***Biotechnologies, Agriculture and Food***

## **SELECTED PROJECTS**

**with CHINA PARTICIPATION:**

**11 Integrated Projects**

**2 Specific Targeted Research Projects**

**2 Networks of Excellence**

**6 Specific Support Actions**

<b>Integrated Projects</b>	<b>Full Title</b>	<b>CN Partner(s)</b>
<b>SAFE FOODS</b>	Promoting Food Safety Through a new Integrated Risk Analysis approach for Foods	Institute of Crop Germplasm Resources National Institute of Nutrition and Food Safety
<b>TRACE</b>	Tracing Food Commodities in Europe	Chinese Academy of Agricultural Sciences, Beijing
<b>AQUAMAX</b>	SUSTAINABLE AQUAFEEDS TO MAXIMISE THE HEALTH BENEFITS OF FARMED FISH FOR CONSUMERS	Institute for Nutrition and Food Safety
<b>CHILL-ON</b>	Developing and integrating novel technologies to improve safety, transparency and quality insurance of the chilled/frozen food supply chain	China Agricultural University_ Beijing Beishui Food industry Co.LTD
<b>PHIME</b>	Public health impact of long-term, low-level mixed element exposure in susceptible population strata	Fudan University
<b>Sabre</b>	Cutting Edge Genomics for Sustainable Animal Breeding	Jiang Xi Agricultural University China Agricultural University Institute of Animal Breeding
<b>Q-PORKCHAINS</b>	IMPROVING THE QUALITY OF PORK AND PORK PRODUCTS FOR THE CONSUMER: Development of an innovative, integrated, and sustainable food production chain of high quality pork products matching consumer demand	Nanjing Agricultural University Institute of Animal Science, Chinese Academy of Agricultural Sciences
<b>BIOTRACE IP</b>	Improved bio-traceability of unintended micro-organisms and their substances in food and feed chains	National Animal Quarantine Institute Ministry of Agriculture
<b>Europrevall</b>	The Prevalence Cost and Basis of Food Allergy Across Europe	Chinese University of Hong Kong
<b>GRAIN LEGUMESTTC</b>	New Strategies to Improve Grain Legumes for food and feed EXTENSION	SHANGHAI INSTITUTE OF PLANT PHYSIOLOGY AND ECOLOGY
<b>PHIMETTC</b>	Public health impact of long-term low-level mixed element exposure in susceptible population strata Extension	Key Laboratory of Nuclear Analytical Techniques, Institute of High Energy Physics, Chinese Academy of Sciences

<b>CoE</b>	<b>Full Title</b>	<b>CN Partner(s)</b>
<b>EPIZONE</b>	Network on epizootic disease diagnosis and control	CAAS, Lanzhou Veterinary Research Institute Harbin Veterinary Research Institute
<b>FOODNIQA</b>	Towards harmonisation regarding monitoring the hazards in the food supply chain	Sichuan University Chinese Cereals and Oils Association
<b>SSA</b>	<b>Full Title</b>	<b>CN Partner(s)</b>
<b>SEMDIALOG</b>	The EU, China and South East Asia Dialog for the Development of Research Areas in Animal Health of Mutual Interest	Gansu Agricultural University Harbin Veterinary Research Institute China Agricultural University Beijing Shanghai Jiao Tong University Nanjing Agricultural University National Animal Quarantine Institute Ministry of Agriculture
<b>ELAMAT</b>	Safety enhancement of Edible products, Legislation, Analysis and Management, with ASEM countries, by mutual training & Research	Institute of Plant Protection
<b>AGLES Food Forum</b>	European Action on Global Life Sciences - Food Forum	Beijing Genomics Institute
<b>SEAN-SEABUCK</b>	Establishment of European-Asia network for development of strategies to enhance the sustainable use of Sea Buckthorn	International Centre of Research and Training on Sea Buckthorn
<b>FOOD-N-CO</b>	Cooperation network of national contact points with a special focus on third countries in the area of food quality and safety	China-EU S&T Cooperation Promotion Office
<b>AGROVERSEEDS</b>	Agro-fortification: networking on sustainable use of plant genetic resources	Chinese Academy of Sciences, Institute of Botany CAAS, Institute of Crop Germplasm Resources
<b>STREP</b>	<b>Full Title</b>	<b>CN Partner(s)</b>
<b>FOODFORISK</b>	Quantitative Risk assessment strategies for Novel foods	Zhejiang University, Hangzhou
<b>SAFEAFIR</b>	Safe and High Quality Food Production using Poor Quality Waters and Improved Irrigation Systems and Management	CAAS CAU

## **2. Food, Agriculture and Biotechnology**

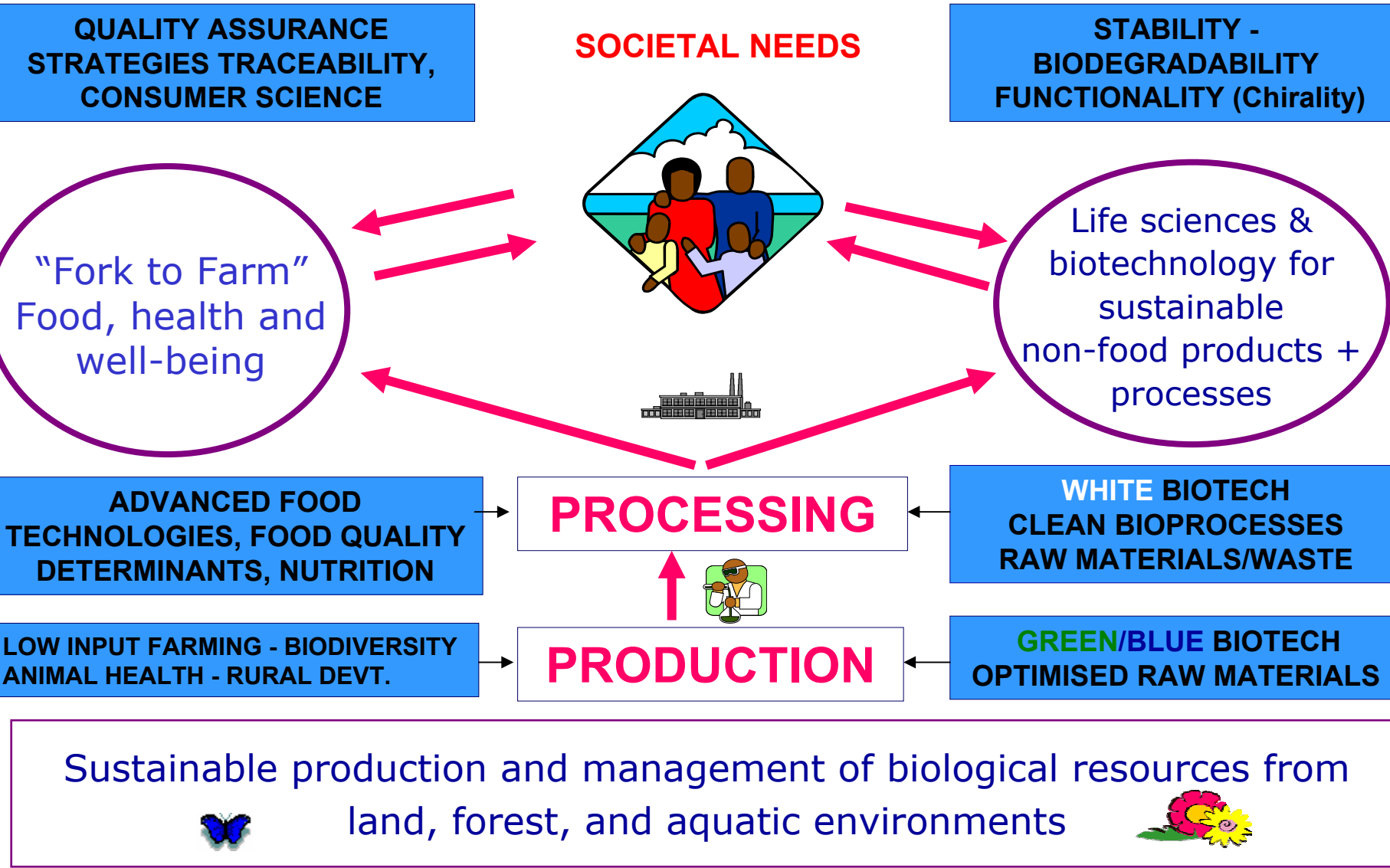
**Sustainable production and management of biological resources  
from land, forest, and aquatic environments**

**“Fork to farm”: Food, health and well being**

**Life sciences and biotechnology for sustainable  
non-food products and processes**

- ✓ Society demands safer, healthier and sufficient food
- ✓ Society demands sustainable and eco-efficient production methods in agriculture/fishery/forestry
- ✓ Renewable resources and biomass for non-food applications helps reducing dependence on hydrocarbon-based economy
- ✓ Biotechnology and food companies / SMEs need to be competitive on the world market ('European Strategy on Life Sciences and Biotechnology')
- ✓ **International cooperation** ensures sustainable development, optimal exploitation of resources and application of results for a prosperous future world-wide

# THE EUROPEAN KNOWLEDGE-BASED BIOECONOMY in FP7-FAB



### management of biological resources

### from land, forest and aquatic environments

1. Enabling research ('omics', converging technologies, biodiversity) for micro-organism, plants and animals
2. Sustainable, competitive and multifunctional agriculture, forestry, aquaculture and rural development
3. Animal welfare, breeding and production
4. Policy tools for agriculture and rural development



## “Fork to farm”

### Food, health and well being

- 1. Consumer, societal, industrial and health aspects of food and feed**
- 2. Nutrition, diet related diseases and disorders**
- 3. Innovative food and feed processing**
- 4. Improved quality and safety of food, beverage and feed**
- 5. Total food chain concept**



## sustainable non-food products and processes

- Improved crops, feed-stocks, marine products and biomass for energy, environment, and high added value industrial products; novel farming systems
- Bio-catalysis; new bio-refinery concepts and other bioprocesses
- Forestry and forest based products and processes
- Environmental remediation and cleaner processing



## Directorate E – Biotechnology – Food Processing Industry

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