



# **International Co-operation in Food, Agriculture and Fisheries, and Biotechnology**

Dr Klaus-Günther BARTHEL  
Head of Unit of Horizontal Aspects and Coordination  
Directorate-General for Research  
European Commission

## **International co-operation in *Biotechnologies, Agriculture and Food***

### **1. Opening**

- 1.1 Opening of all activities to participation by Third Countries
- 1.2 Certain topics particularly encourage international co-operation

### **2. Specific International Co-operation Actions (SICA)**

on selected topics, with priority partner countries / regions :

- 2.1 BIREGIONAL DIALOGUES, BILATERAL AGREEMENTS, NEIGHBOURHOOD AND EMERGING ECONOMIES:

topics jointly identified, based on mutual interest and benefits

- 2.2 DEV COUNTRIES: taking into account their needs (focus on MDG)

**1. Opening of all activities**

*the minimum number of participants shall be 3 independent legal entities established in three different Member States or Associated countries.*

**Third Countries as ADDITIONAL partners**

**2. Specific International co-operation actions SPECIAL RULE**

*...the minimum number of participants shall be 4 independent legal entities of which:*

- *at least 2 are established in two different Member States or Associated countries,*  
*and*
- *at least 2 are established in two different International Cooperation Partner Countries.*

**Third Countries (ICPC) as COMPULSORY partners**

A *Community financial contribution* may be granted to:

- (1) *any legal entity established in an **international cooperation partner country (ICPC)**,*
  
- (2) *any legal entity established in a **third country** other than an International Co-operation Partner, provided that at least one of the following conditions is satisfied:*
  - ***if** provision is made for this purpose in the specific programmes or in the relevant work programme*

or

  - ***if** it is essential for carrying out the indirect action*

or

  - ***if** such funding is foreseen in any bilateral scientific and technological agreement, or other arrangement between the Community and the country in which the legal entity is established, that opens the research funding schemes of the Community to such an entity.*

# 1. OPENING

in *Biotechnologies, Agriculture and Food*

## 2. Food, Agriculture and Fisheries and Biotechnologies

2.1.  
Sustainable production and management of biological resources  
from land, forest, and aquatic environments

2.2.  
“Fork to farm”: Food, health and well being

2.3.  
Life sciences and biotechnology for sustainable  
non-food products and processes

Opening of all activities to International cooperation

## 2. Specific International Co-operation Actions in *Biotechnologies, Agriculture and Food*

### SICA Examples for the year 2007

Annual Food crops with improved tolerance to multiple <b>ABIOTIC STRESSES</b>	Small collaborative project -	Med (2)
Improving research in support to scientific advice to <b>FISHERIES</b> management outside EU waters	Coordination and support action -	ICPC (3)
Consolidate alliances with third countries in the field of <b>AQUACULTURE</b>	Coordination and support action -	ICPC (3)
<b>NEGLECTED ZONOSEs</b> in developing countries: integrated approach for the improvement of their control in animals	Large collaborative project -	ICPC (4)
Developing research tools for <b>FOOD CONSUMER</b> science in the Western Balkan Countries	Small collaborative project -	West Balk (2)
<b>MALNUTRITION</b> in developing countries	Large collaborative project -	ICPC (3)
Reduce contamination by <b>MYCOTOXINS</b> in the food and feed chain	Large collaborative project -	ICPC (3)
<b>ANIMAL BY-PRODUCTS</b> - Novel methods of treatment of animal by-products for the production of substances with biologically valuable functional properties	Small collaborative project -	Russia (2)

# Specific International Co-operation Actions in *Biotechnologies, Agriculture and Food*

## SICA Examples for the year 2008 - tentative

Improved <b>AGRO-FORESTRY</b> systems for sustainable farming	ICPC
Valorisation of Andean <b>MICROBIAL BIODIVERSITY</b> for agro-industry of basic crops, for environmental protection and as a source of novel bioactive compounds	Latin America (Andean Region)
Methodologies and tools to support the prevention of <b>OBESITY</b> in Mediterranean Partner Countries	Mediterranean
Linking with international <b>DATABASES on FOOD</b> composition and consumption	ICPC
<b>FUNCTIONAL FOODS</b> , natural products and bioactive compounds from the Black Sea region	Black Sea
<b>SWEET SORGHUM</b> - Alternative energy crops for biofuel production in semi-arid and temperate regions	Latin America and Africa
<b>INDUSTRIAL ENZYMES</b> - Rational design of biocatalysts and enzyme systems with requested properties	Russia
<b>BAGASSES</b> – Improved chemical and enzymatic treatments of bagasses from energy crops, for increased bio-fuels production yields	Latin America and ACP
Plants as <b>EDIBLE VACCINES</b>	Russia
Network of Third Countries <b>NATIONAL INFORMATION POINTS</b>	ICPC and countries with bilateral agreements

# OTHER TOPICS with important international co-operation in *Biotechnologies, Agriculture and Food*

## Examples (years 2007- 2008)

Using new technologies to identify (re-) emerging pathogens from wildlife reservoirs
Developing new methods for valuing and marketing of currently non-marketable forest goods and services
Economics for cereal improvement for food, feed and non-food uses
Coordination of Agricultural Research in the Mediterranean
From capture based to self-sustained aquaculture
Investigating adverse impacts of fisheries
The structure of fish populations and traceability of fish and fish products
Reducing the utilisation of mineral fertilisers by improving the efficiency of nutrient use in European crops
Developing the knowledge-based bio-economy
Evaluating and controlling the risk of African Swine Fever in the EU
Emerging vector-borne diseases, in particular: West Nile fever, Rift Valley Fever and Crimean-Congo haemorrhagic fever
Improved epidemiological tools for food-borne zoonoses: application of geographical information for live animals and animal products

Enlargement network - Agro-economic policy analysis of the accession and the candidate states and the Western Balkan countries
Drivers and limits of enhanced trade in agriculture and food products
Trade and agricultural policies - India
Containment of Sharka virus in view of EU-expansion
Policy and institutional aspects of sustainable agriculture, forestry and rural development in the Mediterranean partner countries
Interactions of fisheries and aquaculture of bluefin tuna (BFT)
Sustainability of the food chain
Plant Cell Walls - Understanding Plant Cell Walls for optimizing Biomass potential
Green oil – Plants providing oils of the future
Developing vaccines for the control of roundworm infestation in extensive ruminant production systems
Development of a new generation vaccine for FMD
Non-tariff barriers
Assessment of impacts from climate change on food

# Specific International Co-operation Actions in *Biotechnologies, Agriculture and Food*

Specific International Co-operation Actions will be undertaken to contribute to the **UN Millennium Development Goals** of:

- ▶ **eradicating extreme poverty and hunger**  
(under theme *Food, Agriculture and Biotechnology*)
- ▶ **ensuring environmental sustainability,  
including access to safe drinking water**  
(under themes *Food, Agriculture and Biotechnology* and *Environment*)
- ▶ **combating HIV/AIDS malaria and other poverty related  
diseases** (under theme *Health*)

## CORDIS:

Information space devoted to European research and development (R&D) and innovation activities; to facilitate participation in EU research programmes (FPs)

- [www.cordis.lu/](http://www.cordis.lu/)

- <http://cordis.europa.eu.int/fp7/>

- [www.cordis.lu/food/](http://www.cordis.lu/food/)

- [www.cordis.lu/food/inco.htm](http://www.cordis.lu/food/inco.htm)

- **First Call for proposals FAB:**

[http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationCallsPage&id\\_activity=2](http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationCallsPage&id_activity=2)

**General**

**FP7**

**FP6 / Food**

**FP6 / INCO and Food**



## EUROPA:

Information space of the European Commission

- [http://europa.eu.int/comm/research/future/index\\_en.cfm](http://europa.eu.int/comm/research/future/index_en.cfm)

**FP7**

**Data base evaluators :**

- <https://emmfp6.cordis.lu/index.cfm?fuseaction=wel.welcome>

Contact for international co-operation in Food Agriculture and Biotechnology:

[Elisabetta.Balzi@ec.europa.eu](mailto:Elisabetta.Balzi@ec.europa.eu)