

Food, Agriculture and Fisheries, and Biotechnology

Our mission is to fund Food, Agriculture, Fisheries and Biotechnology Research under FP7 through the establishment of a European **Knowledge-Based Bio-Economy (KBBE)**. Our aim is to promote European leading and innovative knowledge to increase productivity and competitiveness and improve our quality of life, while protecting our environment and social model.

Under FP7 participation from non EU countries, SMEs and civil society organizations is supported and encouraged through all areas of our theme.

Theme 2 "Food, Agriculture and Fisheries, and Biotechnology" is built around three major "activities":

- 1 Sustainable production and management of biological resources from land, forest and aquatic environments
- 2 Fork to farm: Food (including seafood), health and well-being
- 3 Life sciences, biotechnology and biochemistry for sustainable non-food products and processes

Overall Budget: €1.9 billion (2007-2013)

Type of projects:

- Collaborative Projects
- Networks of Excellence
- Coordination and Support Actions

Calls for Proposals

The **Food, Agriculture and Fisheries, and Biotechnology**, Theme 2, **Work Programme 2007** is available at

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UseSite.CooperationDetailsCallPage&call_id=16

The Work Programme 2007 covers two calls:

1. FP7-KBBE-2007-1 (published on 22/12/2006; deadline: 02/05/2007)
2. FP7-KBBE-2007-2A (indicative dates: publication 08/05/2007, 1st stage deadline 11/09/2007 and 2nd stage deadline 31/01/2008)

On-line resources for further information

- FP7 on Cordis
http://cordis.europa.eu/fp7/home_en.html
- FP7 on Europa
http://ec.europa.eu/research/fp7/home_en.html
- Biosociety and the KBBE
http://ec.europa.eu/research/biosociety/index_en.htm
- AGRINET
http://ec.europa.eu/research/agriculture/index_en.html

Contacts/Enquires

- National Contact Points (NCP)
http://cordis.europa.eu/fp7/ncp_en.html
- Europe Direct
<http://ec.europa.eu/research/index.cfm?pg=enquiries>



EC - DG Research, Directorate.E, 2007



Theme 2 Food, Agriculture and Fisheries, and Biotechnology

Building a European Knowledge-Based Bio-Economy KBBE



General Information



Food, Agriculture and Fisheries, and Biotechnology



Activity 1

Sustainable production and management of biological resources from land, forest and aquatic environments focus on:

The -omics technologies:

- genomics, proteomics & metabolomics, systems biology, bioinformatics and converging technologies
- micro-organisms, plants and animals

Land-based biological resources:

- improving crops and their production systems, including organic production
- quality production schemes, and the impact of GMOs
- research on plant health, sustainable, competitive, multifunctional agriculture and rural development, including forestry
- animal welfare, breeding, production and health, including the control of infectious diseases and zoonoses
- threats to the sustainability and security of food production systems

Aquatic-based biological resources:

- sustainability and competitiveness of fisheries providing the scientific and technical basis for fisheries management

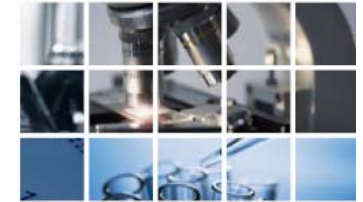
- support to the sustainable development of aquaculture, including breeding and welfare
- the development of tools needed by policy makers and others, in the fields of agriculture, fisheries, aquaculture and rural and coastal development
- works on the socioeconomic and ethical context of production



Activity 2

Food, including seafood, health and well being focus on:

- consumer, societal, cultural, industrial and health as well as traditional aspects of food and feed, including behavioural and cognitive sciences
- nutrition research works on diet-related diseases and disorders and the prevention of diseases
- innovative food and feed processing technologies enhancing safety assurance methodologies and the integrity of the food chain
- improving food quality and safety in food, beverages and feeds and development of new ingredients and products
- environmental impacts on and of food and feed chains and their interactions with global change; total food chain concept, traceability and authenticity of food



Activity 3

Life sciences, biotechnology and biochemistry for sustainable non-food products and processes focus on:

Improvement of raw materials and biomass:

- research for improved crops, forest products, feed-stocks, marine products and biomass for energy, the environment and high value-added products

Bioprocesses and products based on renewables:

- novel farming systems, bio-process and bio-refinery concepts, and bio-catalysis
- new and improved micro-organisms and enzymes
- forestry and forest-based products and processes

Environmental biotechnology:

- utilisation of agro-industrial wastes and by-products
- environmental bio-remediation
- cleaner bioprocessing

