

Call title: KBBE 2010: general call for proposals

- **Call identifier:** FP7-KBBE-2010-4
- **Date of publication:** 30 July 2009
- **Deadline¹:** 14 January 2010 at 17.00.00 (Brussels local time)
- **Indicative budget:** EUR 190.01 million from 2010 Budget^{2 3}

The budget for this call is indicative. The final budget awarded to actions implemented through calls for proposals may vary:

- The final budget of the call may vary by up to 10% of the total value of the indicated budget for each call; and
- Any repartition of the call budget may also vary by up to 10% of the total value of the indicated budget for the call.

Activity	Funding Schemes	Indicative amount (EUR million)
Activity 2.1: Sustainable production and management of biological resources from land, forest and aquatic environments	Collaborative project (large scale integrating project) Collaborative project (small or medium-scale focused research project) Collaborative project (large scale integrating project) for Specific Cooperation Actions Dedicated to international Cooperation Coordination and Support Action (coordinating action) Coordination and Support Action (supporting action)	71.54
Activity 2.2: Fork to farm: Food (including seafood), health and well being	Collaborative Project (large-scale integrating project) Collaborative Project (small or medium-scale focused research project) Collaborative project (small or medium-scale focused research project) for Specific Cooperation Actions dedicated to International Cooperation Coordination and support action (coordinating action) Coordination and Support Action	56.95

¹ The Director-General responsible may delay this deadline by up to two months.

² Specific International Cooperation Actions (SICA) represent a maximum budget of EUR 28 million of the total budget and other actions with an important international dimension of EUR 6.5 million.

³ Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budget authority.

	(supporting action)	
Activity 2.3: Life sciences, biotechnology and biochemistry for sustainable non-food products and processes	Collaborative Project (large scale integrating project) Collaborative Project (small or medium- scale focused research project) Collaborative project (small or medium- scale focused research project) for Specific Cooperation Actions dedicated to International Cooperation Coordination and Support Action (coordinating action)	56.02
Activity 2.4: Other activities	KBBE.2010.4-01: Strengthening the implementation of durable integration in FP6 Networks of Excellence, Coordination and Support Action (coordinating action)	3.00
	Coordination and support action (coordinating action) Coordination and Support Action (supporting action)	2.50

- **Topics called:**

Activity/ Area	Topics called	Funding Schemes
Activity 2.1: Sustainable production and management of biological resources from land, forest and aquatic environments		
2.1.1	<i>KBBE.2010.1.1-01: Genetic and genomic tools to increase the breeding efficiency in fruit trees</i>	<i>Collaborative project (large scale integrating project) Max. EC contribution/proposal: EUR 6 000 000</i>
2.1.1	<i>KBBE.2010.1.1-03: Characterisation of biodiversity resources for wild crop relatives to improve crops by breeding</i>	<i>Collaborative project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.1.2	<i>KBBE.2010.1.2-01: Integrating mitigation and adaptation options for sustainable livestock production under climate change – SICA (Latin America, African Mediterranean Partner Countries, African ACP)</i>	<i>Collaborative project (large scale integrating project) for Specific Cooperation Actions Dedicated to international Cooperation Max. EC contribution/proposal: EUR 9 000 000</i>
2.1.2	<i>KBBE.2010.1.2-02: Sustainable organic and low-input dairy production</i>	<i>Collaborative project (large scale integrating project) Max. EC contribution/proposal: EUR 6 000 000</i>
2.1.2	<i>KBBE.2010.1.2-04: Improving European berries production, quality, nutraceutical and nutritional value (Strawberries, Currents,</i>	<i>Collaborative projects (small or medium-scale focused research project)</i>

	<i>Blackberries, Blueberries and Raspberries)</i>	<i>Max. EC contribution/proposal: EUR 3 000 000</i>
2.1.2	<i>KBBE.2010.1.2-05: Integrated pest management in farming systems of major importance for Europe</i>	<i>Collaborative Project (large scale integrating project) Max. EC contribution/proposal: EUR 9 000 000</i>
2.1.2	<i>KBBE.2010.1.2-07: Understanding of the basic mechanisms involved in coping strategies of fish towards improvement of welfare</i>	<i>Collaborative Project (large scale integrating project) Max. EC contribution/proposal: EUR 4 500 000</i>
2.1.2	<i>KBBE.2010.1.2-08: Improving European mollusc aquaculture: disease detection and management</i>	<i>Collaborative projects (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.1.3	<i>KBBE.2010.1.3-01: Development of vaccines and improvement of detection systems to control helminth parasite infections of livestock and reservoirs – SICA (Latin America and/or Asia and/or African Mediterranean Partner Countries and/or African ACP)</i>	<i>Collaborative Project (large-scale integrating project) for Specific Cooperation Actions Dedicated to International Cooperation Max. EC contribution/proposal: EUR 9 000 000</i>
2.1.3	<i>KBBE.2010.1.3-02: Promoting coordination and cooperation at international level of research programmes in the area of animal health, in particular infectious diseases including zoonoses - Mandatory ICPC (Latin America and Asia)</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.1.3	<i>KBBE.2010.1.3-03: Development and integration of animal based welfare indicators in livestock species</i>	<i>Collaborative Project (large scale integrating project) Max. EC contribution/proposal: EUR 4 500 000</i>
2.1.3	<i>KBBE.2010.1.3-04: Improving integration in farm animal welfare research in an enlarged Europe</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.1.4	<i>KBBE.2010.1.4-01: Sharing best practice and enhancing European collaboration on research, knowledge transfer and innovation in farm animal sciences</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.1.4	<i>KBBE.2010.1.4-02: Development of modelling tools based on Farm Accountancy Data Network data adapted to assess the dynamic impacts of the Common Agricultural Policy</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 2 500 000</i>

2.1.4	<i>KBBE.2010.1.4-03: Assessment of transition pathways to sustainable agriculture and social and technological innovation needs</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 1 500 000</i>
2.1.4	<i>KBBE.2010.1.4-04: Knowledge systems for farming in the context of sustainable rural development</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 2 500 000</i>
2.1.4	<i>KBBE.2010.1.4-05: EU-China Partnership initiative in plant breeding– Mandatory China</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 500 000</i>
2.1.4	<i>KBBE.2010.1.4-06: EU-Russia Partnership initiative in Microbes - Plants Biodiversities– Mandatory Russia</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 500 000</i>
2.1.4	<i>KBBE.2010.1.4-07: Using results-based management to achieve CFP objectives</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.1.4	<i>KBBE.2010.1.4-08: Improving research in support to scientific advice to fisheries management in the Mediterranean and Black Seas – Mandatory ICPC (Mediterranean Partner Countries and Black Sea countries)</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.1.4	<i>KBBE.2010.1.4-09: Analysis of the potential of the pine wood nematode (<i>Bursaphelenchus xylophilus</i>) to spread, survive and cause pine wilt in European coniferous forests in support of EU plant health policy</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
Activity 2.2: Fork to farm: Food (including seafood), health and well being		
2.2.1	<i>KBBE.2010.2.1-01: Determinants of food choice and eating habits</i>	<i>Collaborative Project (large-scale integrating project) Max. EC contribution/proposal: EUR 9 000 000</i>
2.2.1	<i>KBBE.2010.2.1-02: Media training for food and nutrition scientists</i>	<i>Coordination and Support Action (supporting action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.2.2	<i>KBBE.2010.2.2-01: Neurological pathways regulating hunger/satiety and gut behaviour</i>	<i>Collaborative Project (large-scale integrating project) Max. EC contribution/proposal: EUR 9 000 000</i>

2.2.2	<i>KBBE.2010.2.2-02: Diet and prevention of functional decline of the elderly</i>	<i>Collaborative Project (large integrating project) Max. EC contribution/proposal: EUR 9 000 000</i>
2.2.3	<i>KBBE.2010.2.3-01: Development of biodegradable food packaging</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.2.3	<i>KBBE.2010.2.3-02: Strategies for personalised nutrition</i>	<i>Collaborative Project (large-scale integrating project) Max. EC contribution/proposal: EUR 9 000 000</i>
2.2.3	<i>KBBE.2010.2.3-03: Health-value-added food products for population groups at risk of poverty</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.2.4	<i>KBBE.2010.2.4-01: Improving integration in food safety research</i>	<i>Collaborative project (small or medium scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.2.4	<i>KBBE.2010.2.4-02: Identification of the effect of processing on food contaminants</i>	<i>Collaborative project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.2.4	<i>KBBE.2010.2.4-03: Quality and safety aspects of feed</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.2.5	<i>KBBE.2010.2.5-01: Transparency of food pricing</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 1 000 000</i>
2.2.5	<i>KBBE.2010.2.5-02 : Eco-challenges in the food chain of the Latin American region – SICA (Latin America)</i>	<i>Collaborative project (small or medium-scale focused research project) for Specific Cooperation Actions dedicated to International Cooperation Max. EC contribution/proposal: EUR 3 000 000</i>
2.2.6	<i>KBBE.2010.2.6-01: Strengthening cooperation in food safety research in the enlarged European Union</i>	<i>Coordination and support action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>

Activity 2.3: Life sciences, biotechnology and biochemistry for sustainable non-food products and processes		
2.3.1	<i>KBBE.2010.3.1-01: Promoting global cooperation to facilitate and accelerate knowledge transfer on abiotic stress tolerance of plants – Mandatory ICPC (Latin America and/or Asia and/or Eastern Europe and Central Asia and/or ACP and/or the Mediterranean Partner Countries)</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.3.2	<i>KBBE.2010.3.2-01: Sustainable culture of marine microorganisms, algae and/or invertebrates for high added value products</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.3.2	<i>KBBE.2010.3.2-02: Learning from research projects: specific dissemination action to potential users in marine genomics</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.3.2	<i>KBBE.2010.3.2-03: Modification of marine or freshwater algae to better suit industrial applications</i>	<i>Collaborative Project (large scale integrating project) Max. EC contribution/proposal: EUR 6 000 000</i>
2.3.2	<i>KBBE.2010.3.2-04: Innovative aquatic biosensors</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.3.3	<i>KBBE.2010.3.3-01: Robust and novel biocatalysts for industrial applications</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.3.3	<i>KBBE.2010.3.3-02: Biotechnology for 'greening' the chemical industry - Industrial bioprocesses for fine and speciality chemicals and intermediates</i>	<i>Collaborative Project (large scale integrating project) Max. EC contribution/proposal: EUR 9 000 000</i>
2.3.5	<i>KBBE.2010.3.5-01: Biotechnology for the environment - Soil and water treatment and bioremediation</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.3.5	<i>KBBE.2010.3.5-03: Approaches towards bioremediation of the Mediterranean Sea by exploring its microbial diversity – SICA (Mediterranean Partner Countries)</i>	<i>Collaborative Project (small or medium-scale focused research project) Max. EC contribution/proposal: EUR 3 000 000</i>
2.3.5	<i>KBBE.2010.3.5-04: Microbial diversity and metagenomic mining for biotechnological innovation</i>	<i>Collaborative Project (large-scale integrating project) Max. EC contribution/proposal: EUR 6 000 000</i>

Activity 2.4: Other activities		
2.4.1	<i>KBBE.2010.4-01: Strengthening the implementation of durable integration in FP6 Networks of Excellence</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.4.1	<i>KBBE.2010.4-03: Towards a Latin America & Caribbean Knowledge Based Bio-Economy in partnership with Europe</i>	<i>Coordination and Support Action (supporting action) Max. EC contribution/proposal: EUR 500 000</i>
2.4.1	<i>KBBE.2010.4-04: Network of Third Countries bio NCPs</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 1 000 000</i>
2.4.1	<i>KBBE.2010.1.4-05: Networking of KBBE relevant ERA-NETS</i>	<i>Coordination and Support Action (coordinating action) Max. EC contribution/proposal: EUR 500 000</i>

- **Eligibility conditions**

- The general eligibility criteria are set out in Annex 2 of this work programme, and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

- **The budget limits indicated for each topic in the work programme and in the above table are eligibility criteria.**

- Standard minimum number of participating legal entities for all funding schemes used in the call, in line with the Rules for Participation:

Funding scheme	Minimum conditions
Collaborative Projects	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Collaborative Project for specific cooperation actions (SICA) dedicated to international cooperation partner countries	At least 4 independent legal entities. Of these, 2 must be established in different MS or AC. The other 2 must be established in different international cooperation partner countries (ICPC)
Coordination and Support Actions (coordinating action)	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Coordination and Support Actions (supporting action)	At least 1 independent legal entity

- For the following topics, additional eligibility criteria apply, over and above the criteria stated above:

TOPICS	Particular requirements
KBBE.2010.1.2-01: Integrating mitigation and adaptation options for sustainable livestock production under climate change – SICA (Latin America, African Mediterranean Partner Countries, African ACP)	SICA - minimum number of participants: 3 from different Member States or Associated countries and 3 from different ICPC among which one from Latin America, 1 from African Mediterranean Partner Countries (Algeria, Egypt, Libya, Morocco, Tunisia) and one from African ACP
KBBE.2010.1.3-01: Development of vaccines and improvement of detection systems to control helminth parasite infections of livestock and reservoirs - SICA (Latin America and/or Asia and/or African Mediterranean Partner Countries and/or African ACP)	SICA - minimum number of participants: 2 from different Member States or Associated countries and 2 from different ICPC from Latin America and/or Asia and/or African Mediterranean Partner Countries (Algeria, Morocco, Tunisia, Libya, Egypt) and/or African ACP countries
KBBE.2010.1.3-02: Promoting coordination and cooperation at international level of research programmes in the area of animal health, in particular infectious diseases including zoonoses - Mandatory ICPC (Latin America and Asia)	Minimum number of participants: 2 from different Member States or Associated countries and 2 from different ICPC from Latin America and Asia
KBBE.2010.1.4-05: EU-China Partnership initiative in plant breeding – Mandatory China	Minimum number of participants: 3 from different Member States or Associated countries and 1 from China
KBBE.2010.1.4-06: EU-Russia Partnership initiative in Microbes - Plants Biodiversities – Mandatory Russia	Minimum number of participants: 3 from different Member States or Associated countries and 1 from Russia
KBBE.2010.1.4-08: Improving research in support to scientific advice to fisheries management in the Mediterranean and Black Seas – Mandatory ICPC (Mediterranean Partner Countries and Black Sea countries)	Minimum number of participants: 3 from different Member States or Associated countries and 3 from different ICPC, among which at least 1 from the Mediterranean Partner Countries and at least 1 from any of the following Black Sea countries: Georgia, Ukraine and Russia
KBBE.2010.2.5-02: Eco-challenges in the food chain of the Latin American region – SICA (Latin America)	SICA – minimum number of participants: 3 from different MS or AC and 3 from different ICPC from Latin American region
KBBE.2010.3.1-01: Promoting global cooperation to facilitate and accelerate knowledge transfer on abiotic stress tolerance of plants – Mandatory ICPC (Latin America and/or Asia and/or Eastern Europe and Central Asia and/or ACP and/or the Mediterranean partner countries)	Minimum number of participants: 3 from different Member States or associated countries and 3 from different ICPC from Latin America and/or Asia and/or Eastern Europe and Central Asia and/or ACP and/or the Mediterranean partner countries

KBBE.2010.3.5-03: Approaches towards bioremediation of the Mediterranean Sea by exploring its microbial diversity – SICA (Mediterranean Partner Countries)	SICA – minimum number of participants 3 from different Member States or Associated countries and 3 from different ICPC from the Mediterranean Partner Countries
KBBE.2010.4-01: Strengthening the implementation of durable integration in FP6 Networks of Excellence	Only those NoEs from Calls 1 and 2 of Thematic Priority 5 of FP6 that would be relevant under Theme 2 Activity 2.1 and 2.2 within FP7 are eligible. The duration should be limited to two years
KBBE.2010.4-03: Towards a Latin America & Caribbean Knowledge Based Bio-Economy in partnership with Europe	Minimum number of participants: 4 from different Member States or Associated countries and 4 from different ICPC from Latin America and Caribbean ACP
KBBE.2010.4-04: Network of Third Countries bio NCPs	Minimum number of participants: 2 from Member States or Associated countries and 1 from each of the different ICPC having signed bilateral S&T cooperation agreements with the EU (Argentina, Brazil, Chile, China, Egypt, India, Mexico, Morocco, Russia, Ukraine, Tunisia, South Africa)

- Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and minimum number of eligible participants.

Evaluation procedure

- The evaluation criteria and scoring scheme are set out in annex 2 of the work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.
 - The Commission will instruct the experts to disregard any pages exceeding these limits.
 - The minimum font size allowed is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- Experts will carry out the individual evaluation of proposals remotely.
- The procedure for prioritising proposals with equal scores is described in annex 2 of the work programme.

It is envisaged that **up to one project** will be retained for each topic, except for the topics indicated below:

Topic number	Topic title	Maximum number of proposals
KBBE.2010.3.2-01	Sustainable culture of marine microorganisms, algae and/or invertebrates for high added value products	Up to 3 projects may be funded

KBBE.2010.3.2-04	Innovative aquatic biosensors	Up to 2 projects may be funded
KBBE.2010.3.3-01	Robust and novel biocatalysts for industrial applications	Up to 3 projects may be funded
KBBE.2010.3.5-01	Biotechnology for the environment – Soil and water treatment and bioremediation	Up to 3 projects may be funded
KBBE.2010.4-01	Strengthening the implementation of durable integration in FP6 Networks of Excellence	More than one project may be funded

- There may be competition between proposals submitted on different topics and proposals submitted on the same topic. This may result in some topics not being supported. A reserve list may be produced of projects that pass the evaluation but fall below the available budget in case additional budget becomes available.
- **Indicative timetable:** Evaluation results: three months after the relevant deadline mentioned above. Grant agreement signature: it is estimated that the first grant agreements related to this call will come into force at the end of 2010.
- **Consortia agreements:** Participants in Collaborative Projects (large scale integrating projects) are required to conclude a consortium agreement. For other projects consortia agreements are recommended.
- **The forms of grant and maximum reimbursement rates** which will be offered are specified in Annex 3 to the Cooperation work programme. In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: http://cordis.europa.eu/fp7/find-doc_en.html under 'Guidance documents/Flat rates for daily allowances'.
- **Additional information concerning twinning of projects under Theme 2 and related programmes in third countries:** with a view to promoting international cooperation with third countries that have signed bilateral S&T agreements with the European Community, initiatives for collaboration between projects under Theme 2 of FP7 and related research programmes in these third countries will be encouraged on the basis of mutual benefit and reciprocity. The Commission reserves the right to ask the coordinators of FP7 projects, during the grant agreement negotiations, to include collaboration activities with projects financed by these third countries. The costs of these activities are expected to be approximately 1% of the total European Community contribution to these projects. Parallel funding is expected from the related research programmes in the third countries for counterpart projects.