

Knowledge Based Bio-Economy (KBBE) 2011: general call for proposals - FP7-KBBE-2011-5

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Title

Knowledge Based Bio-Economy (KBBE) 2011: general call for proposals - FP7-KBBE-2011-5

Start date: Tue, 2010-07-20

^[2] Budget: 3 Million Euro

Deadline: Tue, 2011-01-25

Technical Call:

The Work Programme 2011 (WP2011) supports the development of a sustainable European Knowledge Based Bio-Economy (KBBE) and offers a convergent and coordinated approach to address the challenges facing society today as highlighted in Europe 2020 strategy and in Lund declaration. In this respect, all topics published in the WP2011 contribute to at least

one of the following five societal challenges:

- Primary production mitigating and adapting to climate change
- Greening the industry
- Food security and safety for Europe and beyond
- A socially inclusive and healthy Europe
- Oceans for the future

Specific Programme(s):

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

- KBBE.2011.1.1-01: Promoting conifer genomic resources
- KBBE.2011.1.1-02: Integrated approach to studying effects of combined biotic and abiotic stress in crop plants
- KBBE.2011.1.1-03: Efficiency of ruminant digestive systems and reduction of the ecological footprint through a combination of systems biology, 'omics' and nutrition
- KBBE.2011.1.1-04: Sustaining and managing forest tree genetic resources
- KBBE.2011.1.2-01: Sustainable management of agricultural soils in Europe for enhancing food and feed production and contributing to climate change mitigation
- KBBE.2011.1.2-02: Reducing mineral fertilisers and chemicals use in agriculture by recycling treated organic waste as compost and bio-char products
- KBBE.2011.1.2-03: Development of cover crop and mulch systems for sustainable crop production
- KBBE.2011.1.2-04: Translating knowledge on flowering time to improve breeding efficiency

- KBBE.2011.1.2-05: Root signalling, growth and development under abiotic stress conditions
- KBBE.2011.1.2-06: Strategies to replace copper-based products as plant protection products in low input and organic farming systems
- KBBE.2011.1.2-07: Preserving the multifunctionality of European Mountain forests
- KBBE.2011.1.2-09: Beyond Maximum Sustainable Yield (MSY) in fisheries: defining management targets and their consequences
- KBBE.2011.1.2-10: Socioeconomic effects of the main management principles of the future Common Fishery Policy (CFP): impact of new policy framework and opportunities for the fishing sector to develop self and co-management
- KBBE.2011.1.2-11: Aquaculture feeds and fish nutrition: paving the way to the development of efficient and tailored sustainable feeds for European farmed fish
- KBBE.2011.1.3-01: New/next generation of researchers for Neglected Zoonoses at the animal-human interface – Mandatory ICPC
- KBBE.2011.1.3-02: Development of field tests for rapid screening of pathologies as well as simple laboratories tests in animals
- KBBE.2011.1.3-03: European interprofessional network addressing zoonotic diseases transmitted via companion animals
- KBBE.2011.1.3-04: Management and control of increased livestock helminths parasite infection risks due to global changes
- KBBE.2011.1.3-06: Development of next generation European system for cattle evaluation
- KBBE.2011.1.4-02: Strengthening the impact of fisheries related research through dissemination, communication and technology transfer
- KBBE.2011.1.4-03: Feasible and cost-effective crop-specific coexistence measures
- KBBE.2011.1.4-04: The CAP and landscape management
- KBBE.2011.1.4-05: Data network for better European organic market information
- KBBE.2011.1.4-06: Towards land management of tomorrow – Innovative forms of mixed farming for optimized use of energy and nutrients
- KBBE.2011.1.4-07: Role of aquaculture in improving food security and eradicating poverty worldwide – Mandatory ICPC

Activity 2.2: Fork to farm: Food (including seafood), health and well being

- KBBE.2011.2.1-01: Strategies for improving communication between social and consumer scientists, food technology developers and consumers
- KBBE.2011.2.2-01: Development of functional foods and ingredients
- KBBE.2011.2.2-02: New technologies and tools and their potential application to nutrition research
- KBBE.2011.2.2-03: Long-term influence of early nutrition on health
- KBBE.2011.2.2-04: Translation mechanisms for targeting interventions on micro-nutrients – Mandatory South Asia and South East Asia
- KBBE.2011.2.3-01: Sustainable cleaning and disinfection technologies
- KBBE.2011.2.3-02: Food Factory of the Future – Design Study
- KBBE.2011.2.3-03: Advanced and flexible technologies for active, intelligent and sustainable food packaging
- KBBE.2011.2.3-04: Satiety control through food structures made by novel processing
- KBBE.2011.2.3-05: Processed foods with lower salt, fat and sugar content
- KBBE.2011.2.4-01: Safety and quality of ready-to-eat foods
- KBBE.2011.2.4-02: Pan-European Total Diet Study
- KBBE.2011.2.5-01: Environmental sustainability in the European food and drink chain
- KBBE.2011.2.5-02: Reducing post-harvest losses for increased food security - SICA
- KBBE.2011.2.5-03: Food science and the retail sector: a platform for preparing the effective integration of research findings within innovative concepts and applications

Activity 2.3: Life sciences, biotechnology and biochemistry for sustainable non-food products and processes

- KBBE.2011.3.1-01: Plant photosynthetic efficiency: from a C3 to a C4 system
- KBBE.2011.3.1-02: Perennial grasses: optimising biomass production – SICA
- KBBE.2011.3.2-01: Marine biotechnology ERA-NET preparatory action
- KBBE.2011.3.3-02: Biocatalysis for chiral compounds
- KBBE.2011.3.3-03: Cellular, metabolic and genetic engineering for novel compounds
- KBBE.2011.3.4-01: BioWASTE – Novel biotechnological approaches for transforming industrial and/or municipal biowaste into bioproducts – SICA
- KBBE.2011.3.4-02: Towards a sustainable bio-industry – Biotechnology for renewable chemicals and innovative downstream processes
- KBBE.2011.3.5-01: GM crops in the EU – systematically assessing environmental and economic impacts
- KBBE.2011.3.6-01: Increasing the accessibility, usability and predictive capacities of bioinformatics tools for biotechnology applications
- KBBE.2011.3.6-02: Supporting the development of Bioinformatics Infrastructures for the effective exploitation of genomic data: Beyond health applications
- KBBE.2011.3.6-03: Towards standardisation in Synthetic Biology
- KBBE.2011.3.6-04: Applying Synthetic Biology principles towards the cell factory notion in biotechnology
- KBBE.2011.3.6-05: Ensuring the safety of Synthetic Biology applications

Activity 2.4: Other activities

- KBBE.2011.4-01: Networking of KBBE relevant ERA-NETs

- KBBE.2011.4-02: Support to European Commission (EC) activities related to international co-operation with Australia-Canada-New Zealand and with the USA
- KBBE.2011.4-03: Communication of research results
- KBBE.2011.4-04: Energy Efficiency in Agriculture
- KBBE.2011.4-05: EU – India Partnering Initiative on biomass production and biowaste conversion through biotechnological approaches – Mandatory India
- KBBE.2011.4-06: Bio-Economy Promotion

Call for Proposals FP7-KBBE-2011-5 is structured under Calls:

- **FP7-KBBE-2011-5-CP-CSA** (Area 1)
- **FP7-KBBE-2011-5-SME**: (Area 2) For Topic KBBE.2011.1.3-06 Development of next generation European system for cattle evaluation (funding scheme "Research for the benefit of SME").

Theme:

Food, Agriculture and Fisheries, and Biotechnology

Restrictions to Participation:

See eligibility criteria in the work programme

Eligibility and Evaluation:

Opened to the following bodies or institutes with legal status established in the covered areas:

- Any legal organisation

More information:

The call FP7-KBBE-2011-5-CP-CSA covers all topics published in the KBBE Work Programme 2011, except for the topic KBBE.2011.1.3-06 Development of next generation European system for cattle evaluation (funding scheme "Research for the benefit of SME"), which is set up as a separate technical call FP7-KBBE-2011-5-SME.

NB

For technical reasons the call FP7-KBEE-2011-5 appears as two technical calls in CORDIS and on the Participants Portal:

- FP7-KBBE-2011-5-SME with a total budget of €3,000,000.
- FP7-KBBE-2011-CP-CSA with a total budget of €237,270,000.

Both calls are part of the call FP7-KBBE-2011-5 published in relation to the Work Programme 2011, and they have one and the same call fiche.

The two technical calls will be merged into FP7-KBBE-2011-5 before the evaluation of proposals.

Latest information on Call

01/09/2010: The document "Cooperation Work Programme 2011 - General Introduction" was uploaded in the Information Package.

Documents:

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