



FP7-Co-operation Theme 2

Food, Agriculture and Fisheries and Biotechnology

Orientations for WP 2013

FP7 - Food, Agriculture and Fisheries, and Biotechnology

KBBE (Knowledge-Based-BioEconomy)



KBBE - Activity 2.1

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



KBBE - Activity 2.2

“Fork to farm”: Food (including sea-food), health and well being



KBBE - Activity 2.3

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



INTERNATIONAL COOPERATION in WP 2013 is

- Crucial to tackle global challenges in FAB International cooperation
- Supported and encouraged throughout all activities

Examples :

"Biological control agents in agriculture and forestry for effective pest and pathogen control"

"Emerging viral vector borne diseases given the link between the African and European continents in relation to animal health and to the interface of animal and human diseases"

"Innovative insights and tools to integrate the eco-system based approach into fisheries advice"



International cooperation in WP 2013 - continued

- Should have **scale and scope** to effectively address global challenges
- **Twinning** of FP projects with 3rd country funded projects will continue
- Move to strategic **programme level cooperation** with strategic partners:
 - **Latin America: Partnering Initiative (PI) in biodiversity in agriculture**
 - **China: PI in infectious diseases of animals and zoonoses;**
 - **Industrialised Partners:** Ecosystem approaches in Fisheries management, diet- related diseases, and bio-based products standardisation with industrialised and major trading partners.

FP7 - Food, Agriculture and Fisheries, and Biotechnology WP 2013 and Ocean of Tomorrow



FP7-KBBE 7- 2013

Ind. Budget : € 341 M
Numb. of topics : 45
Deadline : 5 Feb. 2013

Ocean of Tomorrow 2013

Ind. Budget : € 55 M
Numb. of topics : 4
Deadline : 7 Feb. 2013



Orientation Paper 2013 : non-binding document presenting priorities and orientations for EU FP7 2013 calls

FAFB -2013

Activity 2.1



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



KBBE.2013.1.1-01: Development and exploitation of genomic data and tools, phenotyping approaches and breeding concepts to sustainable animal production systems

KBBE.2013.1.2-01: Agro-forestry systems for Europe

KBBE.2013.1.2-02: Legume breeding and management for sustainable agriculture as well as protein supply for food and feed

KBBE.2013.1.2-03: Integrated approach towards small grain cereal production and diversification in Europe

KBBE.2013.1.2-04: Control of pests and pathogens affecting fruit crops

KBBE.2013.1.2-05: Biological control agents in agriculture and forestry for effective pest and pathogen control

KBBE.2013.1.2-08: Innovative insights and tools to integrate the ecosystem-based approach into fisheries advice

FAFB -2013

Activity 2.1



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



KBBE.2013.1.3-01: Emerging viral vector borne diseases

KBBE.2013.1.3-02: Sustainable apiculture and conservation of honey bee genetic diversity

KBBE.2013.1.3-03: Sustainable animal production: an integrated and multi-factorial approach

KBBE.2013.1.3-04: Coordination of research between EU and China on major infectious diseases of animals and zoonoses

KBBE.2013.1.3-05: Ecology of drug resistant bacteria and transfer of antimicrobial resistance throughout the food chain

KBBE.2013.1.4-07: Boosting the translation of FP projects' results into innovative applications in the field of agriculture, forestry, fisheries and aquaculture

KBBE.2013.1.4-08: Boosting the outreach of rese

KBBE.2013.1.4-09: Improving the capacity of agro-meteorological crop modelling to integrate climatic variability and extreme weather events

OCEAN 2013.2 - Innovative multifunctional sensors for in-situ monitoring of marine environment and related maritime activities

arch with focus on agricultural and forestry knowledge and innovation systems

OCEAN 2013.1 – Biosensors for real time monitoring of biohazard and man made chemical contaminants in the marine environment

OCEAN 2013.3 Innovative antifouling materials for maritime applications

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Activity 2.2



Fork to farm: Food (including sea-food), health and well being



KBBE.2013.2.2-01: New technologies to study brain function in relation to eating behaviour

KBBE.2013.2.2-02: Factors influencing the human gut microbiome and its effect on the development of diet-related diseases and brain development

KBBE.2013.2.2-03: Food-based solutions for eradication of vitamin D deficiency and health promotion throughout the life cycle

KBBE.2013.2.3-01: Development and industrial application of sensors for food processing operations

KBBE.2013.2.4-01: Assuring quality and authenticity in the food chain

KBBE.2013.2.5-02: Saving water and energy for resource-efficient food processing

This presentation shall neither be binding nor construed as constituting commitment by the European Commission

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Activity 2.3



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

KBBE.2013.3.1-01: Plant High Value Products - from discovery to final product

KBBE.2013.3.1-02: EU-Latin America Partnering Initiative on sustainable biodiversity in agriculture

KBBE.2013.3.2-02: The CO₂ algae biorefinery

KBBE.2013.3.3-03: Opening markets for bio-based products: Standardisation, labelling and procurement

KBBE.2013.3.4-01: Preventing and valorising bio-waste in biorefineries

KBBE.2013.3.5-01: New, fast, and reliable molecular detection methodologies

KBBE.2013.3.6-01: Novel bioinspired materials and processes

KBBE.2013.3.6-02: Synthetic Biology towards applications

Further Information

- **FP7 Orientation Paper 2013**

https://ec.europa.eu/research/participants/portal/page/fp7_documentation

- **FP7 Calls**

<http://ec.europa.eu/research/participants/portal/page/home>

- **Info day on Call FP7-KBBE-2013, Brussels 16 July 2012**
on-line registration <http://www.b2match.eu/biobro2012>

- **Horizon 2020**

www.ec.europa.eu/research/horizon2020