



FP7 Food, Agriculture and Fisheries, and Biotechnology : Ausblick auf die 6. Ausschreibung

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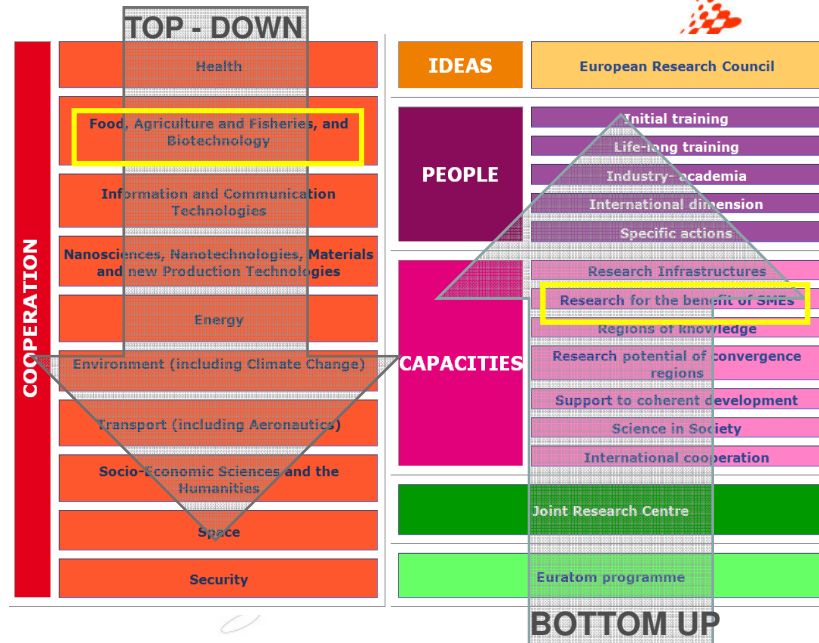
Nationale Kontaktstelle (NCP) für Lebensmittel, Landwirtschaft und Fischerei, und Biotechnologie

FFG Austrian Research Promotion Agency
European and International Programmes

15.05.2012, Wien



7. RP Struktur



Struktur und Budget 7. RP



Spezifisches Programm: Kooperation



Sub-Category	Budget (Mrd €)
COOPERATION – Collaborative research Vordefinierte Themen und "Instrumente"	
1. Gesundheit	6,1
2. Lebensmittel, Landwirtschaft, Fischerei, und Biotechnologie	1,9
3. Informations und Kommunikationstechnologien	9,0
4. Nano, Werkstoffe und Produktionstechnologien	3,4
5. Energie	2,3
6. Umwelt (einschliesslich Klimawandel)	1,9
7. Verkehr (einschliesslich Luftfahrt)	4,1
8. Sozial-, Wirtschafts- und Geisteswissenschaften	0,6
9. Weltraum	1,4
10. Sicherheit	1,4

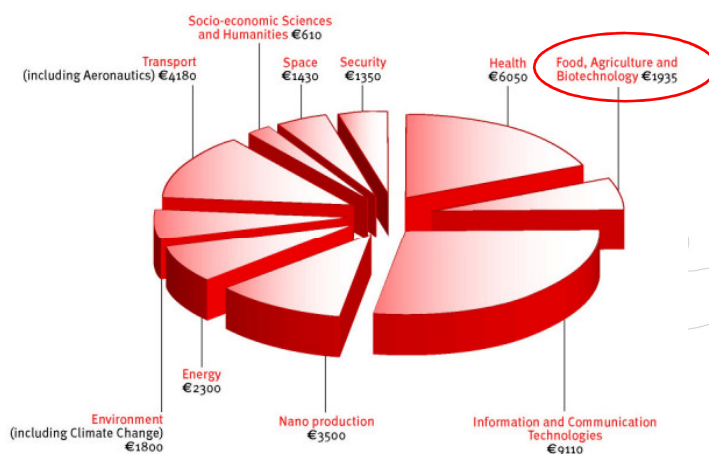


Food, Agriculture & Fisheries, and Biotechnology

Ziele:

- Aufbau einer europäischen, „wissensbasierten Bio-Ökonomie“ (Knowledge-Based Bio-Economy [KBBE])
- Zusammenwirken aller „Stakeholder“ :
Basis für neue, „öko-effiziente“, wettbewerbsfähige, bio-basierte Produkte
- Bewältigung **gesellschaftlicher und ökonomischer Herausforderungen:**
 - Hochqualitative Lebensmittel und nachhaltige Lebensmittelproduktion
 - Ernährungsbedingte Krankheiten
 - Tierische Infektionskrankheiten und Zoonosen
 - Nachhaltige Landwirtschaft, Fischerei und Klimawandel
 - Saubere Biomaterialien aus erneuerbaren Bioressourcen

FP7 Cooperation



Total Budget Cooperation: 32.4 Mrd EUR



Food, Agriculture & Fisheries, and Biotechnology

BUDGET

Die 7., und letzte Ausschreibung im 7.RP

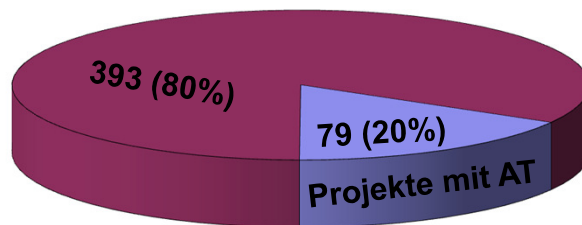
KBBE-2007-1	190 Mio. €
KBBE-2007-2A	110 Mio. €
KBBE-2008-2B	97 Mio. €
KBBE-2009-3	189 Mio. €
KBBE-2010-4	190 Mio. €
KBBE-2011-5	243 Mio. € (incl. 14 Mio. OCEAN) +12 Mio. ERANET
KBBE-2012-6	299 Mio. € (incl. 25 Mio. OCEAN) +8 Mio. ERANET
KBBE- 2013-7	ca. 360 Mio. € (incl. 55 Mio. OCEAN) + 15 Mio. ERANET



Rückblick (2007-2012): Bewilligte Projekte in den Ausschreibungen bisher (Call 1-6)

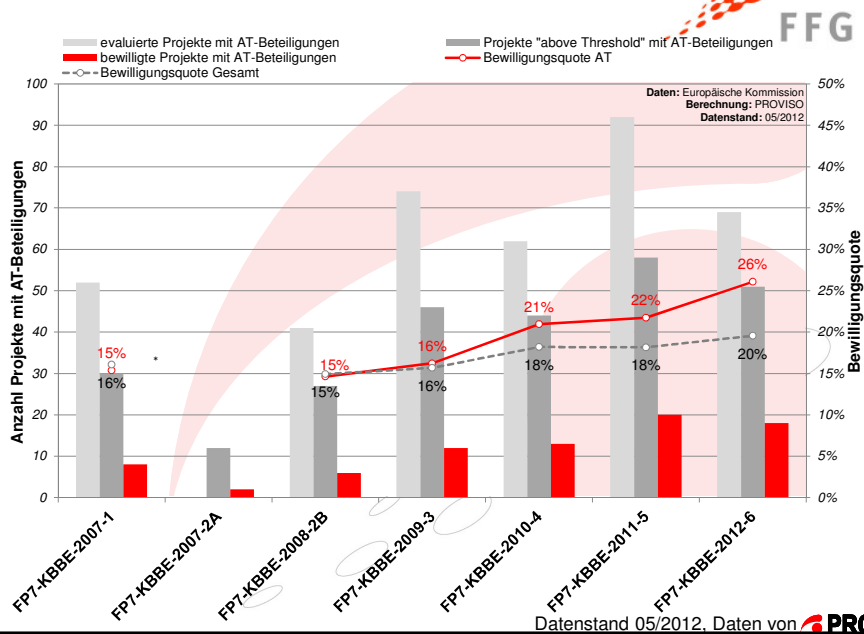


Bisher (Call 1-6) wurden europaweit 393 Projekte von 5618 Organisationen gefördert mit 1,34 Mrd € (davon 78% vertraglich fixiert)
 In jedem 5. Projekt sind Partner aus AT,
 insgesamt 122 Organisationen (davon 10 AT Koordinatoren)



Datenstand 05/2012, Daten von  **PROVISO**

Durchschnittliche Erfolgsquote auf Projektebene: EU:18%, AT: 20%



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Call Identifier: FP7-KBBE-2013-7 einstufig

Call öffnet: 10. Juli 2012 (voraussichtlich)

Deadline: 5. Februar 2013 (voraussichtlich)

Budget: ~ 360 Mio € (voraussichtlich)

Information: <http://rp7.ffg.at/fafb>

Orientation Paper: http://rp7.ffg.at/fafb_ausschreibungen



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Arbeitsprogramm 2013 – Ansatz und Hintergründe

**Letzte Ausschreibung im 7.RP ~
Erste Ausschreibung in Horizon2020**

- “Challenge-driven approach”
Fokus auf 4 Bereiche: "Food security, sustainable agriculture, marine and maritime research, and the bioeconomy“
- weniger, breitere Topics (50)
- Beitrag zur Entwicklung der Bioökonomie-Märkte und zur Wettbewerbsfähigkeit der EU

Innovation dimension



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Innovation dimension

- Unterstützung Aktivitäten die näher zum Markt sind
 - Demonstrationsaktivitäten,
 - Knowledge transfer
- Precommercial Procurement
- Standardisierung
- wird im "Impact" evaluiert
- breitere Aspekte
 - nicht-techn. Innovation
 - social innovation

DRAFT



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→Spezieller Fokus und Maßnahmen für KMU

(Kleine und Mittlere Unternehmen) = SMEs

- Teilnahme erwünscht in allen Bereichen
- Spezielle Unterstützungsmaßnahmen
- 28 Spezielle Topics mit obligatorischer KMU Teilnahme → mindestens 15% - 30% und bei 2 Topics 50% bzw. 75% der Förderung für die beteiligten KMU

DRAFT



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International cooperation

Alle Topics sind für Drittstaaten offen

Gezielte Themen mit obligatorischer/empfohlener Teilnahme bestimmter Drittstaaten

- **China** (major infectious diseases of animals and zoonoses)
- **EU's Eastern Neighbours** (Agriculture and trade development)
Industrialized Partners (AU, NZ, CA, US, etc)
 - brain function in relation to eating behaviors
 - diet related diseases and brain development
 - standardization, labeling and procurement for bio-based products
 - ecosystem approach to fisheries management
- **EU-Latin America** (sustainable biodiversity in agriculture)

DRAFT

DRAFT

Activities

2.1 Sustainable production and management of biological resources from land, forest and aquatic environment 140

- Enabling research
- Increased sustainability of all production systems, plant health and crop protection
- Optimised animal health, production and welfare
- Socio-economic research and support to policies

2.2. Fork to farm: Food (including seafood), health and well being 88

- Consumers
- Nutrition
- Food Processing
- Food Quality and Safety
- Environmental Impacts and Food Chain

2.3. Life sciences, biotechnology and bio-chemistry for sustainable non-food products and processes 133

- Novel sources of biomass and bioproducts
- Marine and fresh-water biotechnology
- Industrial biotechnology
- Biorefinery
- Environmental biotechnology
- Emerging trends in biotechnology

Total Budget 2013 ca. 360 Mio €



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



Area 2.1.2 Increased sustainability of all production systems; plant health and crop protection



Topic KBBE.2012.1.2-05: Biological control agents in agriculture and forestry for effective pest and pathogen control

DRAFT

Climate change will probably influence more and more the occurrence, prevalence and severity of plant diseases. Moreover, the risk of biological invasions of new pest and pathogen populations and species to Europe is increased by the globalization of trade and transport. In addition to these, the availability of chemical agents to combat pests and pathogens is limited, since pesticides have proven to be often hazardous for both environment and human health and their use should be reduced or avoided whenever possible. Thus the need for the creation of new sustainable alternatives is significantly increased. Biological control of pests and pathogens can be an effective, sustainable and environmentally-friendly method for crop and forest protection as part of integrated pest management practices.

The project should focus on exploring new biological control agents against a range of important pests and pathogens that cause high economic losses to agriculture and forestry. Solutions should be sought for various cropping systems (protected and non-protected) and various types of forests.



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The environmental and economic sustainability of the proposed solutions should also be considered. The project is expected to cover also the development of large scale production systems of these biological control agents to ensure rapid introduction into the market. Overlap with the research undertaken by the FP7 funded project PURE or with the research proposed by the topic KBBE.2013.1.2-04: "Control of pests and pathogens affecting fruits" has to be avoided. Both sectors, agriculture and forestry, should be adequately addressed and subsequent budget distribution duly justified. Dissemination to stakeholders should be properly defined to ensure that results will reach, among others, advisory systems operating at national level, farmers and foresters.

Funding scheme: Collaborative Project (large-scale integrating project targeted to SMEs).

Additional eligibility criteria:

- The requested European Union contribution shall not exceed EUR 9 000 000 per proposal.
- The estimated EU contribution going to SMEs shall be **at least 35%** of the total requested EU contribution. This will be assessed at the end of the negotiation, before signature of the Grant Agreement.

Additional information: Up to one project may be funded.

Expected impact: Research will aim at the generation of knowledge and innovative solutions for pest and pathogen management. It will also support policy (i.e. Directive 2009/128/EC) laying down that all farmers will have to apply the general principles of integrated pest management by January 2014. The research should be targeted to products that can be readily introduced into the market. The required percentage of SMEs will facilitate the translation of knowledge into commercial products. On the choice of biological agents, the demands to be met for registration under EU and national legislation should be taken into account.



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Activity 2.1

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

27 Topics (incl. 4 "The Ocean of Tomorrow")

livestock farming,
legume breeding,
small grain cereals,
pests and pathogens affecting fruit crops,
agro-silvo-pastoral systems, wood mobilisation,
aquaculture, fisheries management,
animal health and reproduction,
socio-economic research...





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Activity 2.1

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

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Beispiel Topics:

- *Legume breeding and management for sustainable agriculture as well as protein supply for food and feed (2CP, 5Mio, 15% SME)*
- *Control of pests and pathogens affecting fruit crops (1CP, 6Mio, 15% SME)*
- *Boosting the domestication of established farmed finfish species through selective breeding (1CP, 6Mio, 25% SME)*
- *Sustainable animal production: an integrated and multi-factorial approach (1CP, 9Mio, 20% SME)*
- *Boosting the translation of FP projects' results into innovative applications in the field of agriculture, forestry, fisheries and aquaculture (8CP, 1Mio, 50% SME)*



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Activity 2.2

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

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10 Topics

nutritional behaviour, diet-related diseases, vitamin D, food processing, traditional foods, quality and authenticity, resource-efficient food processing, food safety...

Beispiel Topics:

- *Impact of food and nutritional behaviour, lifestyle and the socioeconomic environment on depression and proposed remedial actions ((1CP, 6Mio)*
- *Development and industrial application of sensors for food processing operations (3CP, 3Mio, 20%SME)*
- *Assuring quality and authenticity in the food chain (1CP, 9Mio)*
- *Saving water and energy for resource-efficient food processing (einige CPs, insg. 18Mio, 20%SME)*
- *Exploitation of Framework Programme project results in food, health and well-being by small and medium-sized enterprises (einige CPs, insg. 10Mio, 75%SME)*



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

13 Topics

novel sources of biomass and bioproducts, biorefinery, standardization, bio-waste, biopolymers, biocatalyst, molecular detection, GMO, Synthetic Biology

Beispiel Topics:

- *Plant High Value Products - from discovery to final product (einige CPs, insg. 20Mio, 25%SME)*
- *Support for demonstrating the potential of biotechnological applications (einige CPs, insg. 20Mio)*
- *Opening markets for bio-based products: Standardisation, labelling and procurement (1CPs, insg. 6Mio)*
- *Preventing and valorising bio-waste in biorefineries (einige CPs, insg. 12Mio, 25%SME)*

DRAFT

Projekttypen (1)



Verbundprojekte – Collaborative projects

– klassische Forschungsprojekte

Ziel: neues Wissen, neue Produkte

Forschung in unterschiedlich großen Konsortien – Größe abhängig vom Bereich und Forschungsgegenstand

Small or medium-scale focused research project

- 1 - 4 Mio. €
- meist 3 - 4 Jahre Laufzeit

Large-scale integrating project

- 5 - 9 Mio. €
- meist 4 – 5 Jahre Laufzeit

Projekttypen (2)



Unterstützungs- und Koordinierungsmaßnahmen (CSA) **Coordination and Support Actions**

0,5 to 2 Mio. €

Kombination oder einzelne Durchführung von Konferenzen, Studien, Analysen, Personalaustausch, Verbreitung von Ergebnissen, Netzwerkbildung... – keine Forschung!

Coordinating Action

Supporting Action

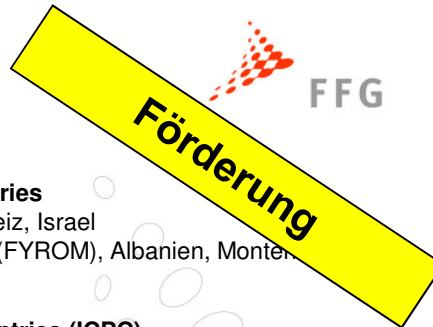
Wer kann teilnehmen?



**Teilnahme steht jeder Rechtsperson offen,
wenn Mindestteilnahmebedingungen erfüllt sind:**

- Mindestens drei Rechtspersonen (RP) aus drei verschiedenen Mitgliedstaaten (MS) oder assoziierten Staaten (AS)
- Unterstützungsmaßnahmen (SA): mind. 1 Rechtsperson
- Zusätzliche Anforderungen können in den Arbeitsprogrammen definiert werden, z. B. für SICA - Projekte (**S**pecific **I**nternational **C**ooperation **A**ctions)

Wer kann teilnehmen?



Mitgliedsstaaten – EU 27

Assoziierte Länder - Associated Countries

- Island, Liechtenstein, Norwegen, Schweiz, Israel
- Türkei, Kroatien, Serbien, Mazedonien (FYROM), Albanien, Montenegro, Bosnien-Herzegowina, Färöer Inseln

International Cooperation Partner Countries (ICPC)

- ACP Countries (African, Caribbean, Pacific)
- Asien (z.B. China, Indien, Iran...)
- EECA (Eastern Europe and Central Asia, z.B. Armenien, Georgien..)
- Lateinamerika
- MPC (Mediterranean Partner Countries, z.B. Ägypten, Algerien..)
- WBC (Western Balkan Countries => Kosovo)

Andere Third Countries: USA, Canada, Japan, etc.

Förderraten



Maximum reimbursement rates of eligible costs	Research & Technological Development	Demonstration Activities	Training Activities	Management of consortium	Other Activities
<ul style="list-style-type: none"> • University • Public Body • Secondary & higher education establishments • Research organisations (non-profit) 	75 %	50 %	100 %	100 %	100 %
<ul style="list-style-type: none"> • Small and Medium Enterprises (SMEs) 	75 %	50 %	100 %	100 %	100 %
<ul style="list-style-type: none"> • Industry • Research Organisations (profit-making) 	50 %	50 %	100 %	100 %	100 %

Projektantrag - Übersicht



- **Ausarbeitung des Projektantrages**
 - « Guide for Applicants»
 - Part A (Formulare)
 - Part B (Text)
 - Beschreibung des Projektes – ca. 80 Seiten
 - 1. Scientific and/or technical quality, relevant to the topics addressed by the call
 - 2. Implementation
 - 3. Impact
- **Einreichung des Antrages**
 - Online, via EPSS – Electronic Proposal Submission Service:
<https://www.epss-fp7.org/epss/>

Die Evaluierungskriterien



3 Hauptkriterien:

1. **Wissenschaftliche/ technische Qualität**
2. **Implementierung**
3. **Auswirkung – Impact**

Für jedes Kriterium 0 bis 5 Punkte, halbe Punkte möglich

Threshold für jedes Kriterium = 3/5

Gesamt - Threshold = 10/15

Registrierung als Experte: <https://cordis.europa.eu/emmp7/>

FFG Service

Europäische und Internationale Programme



FFG Akademie



kostenlose 2-tägige Trainings

- Das EU-Rahmenprogramm für F&E für Newcomer
- Projektentwicklung und Antragstellung im 7.RP
- Management von Projekten des 7. RP

Termine – Zielgruppe KoordinatorInnen!

- 4./5.7. Projektentwicklung und Antragstellung im 7. RP (Cooperation)
- 23./24.7. Projektentwicklung und Antragstellung im 7. RP (Cooperation)
- 17./18.9. Projektentwicklung und Antragsstellung im 7. RP (Cooperation)
- 8./9.10. Management von Projekten im 7. RP (Cooperation)

Infos und Anmeldung: http://rp7.ffg.at/ffg_eip_akademie

Das KBBE Team in der FFG/EIP



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KonsulentInnen zu Ihrer Unterstützung



Trainingsprogramm für KonsulentInnen im 7. RP



- Start im Februar 2008
- Jährliche Trainings und Fachzirkel



http://lrp7.ffg.at/lrp7_KonsulentInnen

Relevante Veranstaltungen



International partnering event for research and innovation in health and agrofood

26-27. Juni 2012, Basel, Schweiz

<http://www.meet4lifesciences.ch/>

Info Day and Brokerage Event on Call FP7-KBBE-7-2013

16. Juli 2012, 10-17:00, Charlemagne Building, Rue de la Loi 170, Brüssel

<http://www.b2match.eu/biobro2012/>

Info Day on "The Ocean of Tomorrow – 2013": "Fostering research and innovation in marine technologies"

6. Juni 2012, 13-18:00, Conference Centre Albert Borschette, Brüssel

http://ec.europa.eu/research/bioeconomy/fish/news-events/events/20120606_en.htm



**FORSCHUNG
WIRKT.**

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