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FP7 THEME 2

Food, **A**griculture and **F**isheries, and **B**iotecnology

Knowledge - Based Bio - Economy (KBBE)

International Cooperation

Dr. Piero Venturi

Directorate Food, Agriculture and Biotechnology
Directorate-General for Research
European Commission

Food,
Agriculture and **F**isheries,
and **B**iotecnology
Knowledge-Based Bio-Economy (KBBE)

FP7 – Brokerage Event 2010 – 20 October 2009, Lisbon





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International co-operation in FP7

Food, **A**griculture and **F**isheries and **B**iotechnology

- Principles, challenges and modalities
- International Dialogues
- Work Programmes 2007 to 2009 and international co-operation
- Results of the first three calls (2007-2008)

Food,
Agriculture and **F**isheries,
and **B**iotechnology
Knowledge-Based Bio-Economy (KBBE)



3 KBBE – ACTIVITIES



FP7 KBBE - Activity 2.1

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



FP7 KBBE - Activity 2.2

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



FP7 KBBE - Activity 2.3

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

Food, Agriculture and Fisheries, and Biotechnology

Knowledge - Based Bio - Economy (KBBE)

- **Enabling research** ('omics' converging technologies, bio-informatics, biodiversity) for **micro-organism, plants and animals**
- **Competitive, sustainable and multifunctional agriculture, forestry, fishery and aquaculture**
- **Animal health** production and welfare; animal diseases
- **Marine resources**, fishery, aquaculture
- Development of **policy** strategies for knowledge based bio-economy, agriculture, fishery as well as rural and coastal areas

- **Consumer, societal, industrial and health** aspects of food and feed
- **Nutrition**, diet related **diseases** and **lifestyles**
- **Innovative food and feed processing**
- **Improved quality and safety** of food, beverage and feed

- **Novel sources of biomass and bioproducts**
- **Marine and fresh-water biotechnology** (blue biotechnology)
- **Industrial biotechnology:** novel high added-value bio-products and bioprocesses
- **Biorefinery**
- **Environmental biotechnology**
- **Emerging trends in biotechnology**

International Cooperation



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International Cooperation in FP7 - PRINCIPLES

1 Commission

Efforts should be made to strengthen international co-operation towards:

- Reaping the full benefits of **internationalization of R&D**
- Contributing to the production of **global public goods**
- Further integrating the EU into the **world-wide research community**

FP7 should contribute towards promoting world-wide

**GROWTH,
SUSTAINABLE DEVELOPMENT and
ENVIRONMENTAL PROTECTION, also by addressing climate change**

Where possible, the FP will contribute to meeting the

Millennium Development Goals by 2010



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MODALITIES of International Cooperation in

Food, Agriculture and Fisheries and Biotechnology

1. Participation of Third countries (= non EU) in FP7

- GENERAL OPENING

All activities / topics are open to participation by Third Countries

Third countries (other than AC): as additional partners

- TARGETED OPENING:

Some topics encourage international cooperation with some TC

Third countries (other than AC): as additional partners (encouraged)

- SICAs - Specific International Co-operation Actions

Topics with mandatory participation of some TC - ICPC

International Co-operation Partner Countries : as COMPULSORY partners





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MODALITIES of International Cooperation in

Food, Agriculture and Fisheries and Biotechnology

2. Co-ordination of FP7 & EU with Third countries Programmes

- **COORDINATED CALLS**

Synchronised Calls, by FP7-Theme2 and a Third country, on topics of shared interest and with co-funding (ex **Russia 2008**, India 2009)

- **TWINNING of projects**

between FP7-Theme 2 and related programmes from Third countries, on on-going projects throughout this Theme, since 2008 (ex Canada, Argentina)

- **ERA-Nets**

Coordination of European National Research Programmes, including some third countries programmes (e.g. agriculture for development, agriculture for Mediterranean countries)

- **GLOBAL INITIATIVES and PARTNERSHIP INITIATIVES**

CSA for co-ordination of programmes activities between EU and Third countries



International Cooperation in FP7

- THIRD COUNTRIES

THIRD COUNTRY

is a country which is not a European Union Member State:

- 1- Associated countries, associated candidate countries
- 2- Industrialised countries (Australia, Canada, USA, New Zealand....)
- 3- International Cooperation Partner Countries (**ICPC**):

ICPC is a third country that the European Commission classifies as a low-income, lower-middle-income or upper-middle-income country

- **Countries neighbouring the EU** (Mediterranean Partner Countries, Western Balkans, Eastern European and Central Asian Countries)
- **Developing countries** (ACP, ASIA, Latin America)
- **Emerging economies** (e.g. Brazil, China, India, Russia, South Africa)

KBBE Work Programmes 2007-2010:

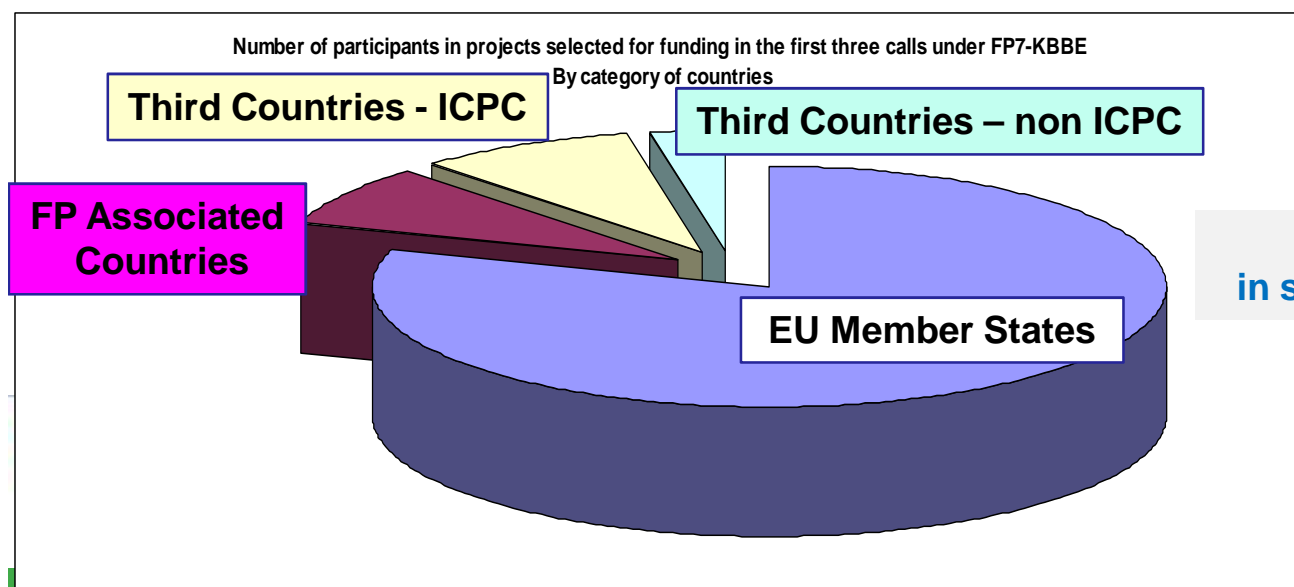
52 SICAs / topics with mandatory TC and 45 topics targeted to TC

⇒ **35% of KBBE topics call for international co-operation**

	WP 2007		WP 2008	WP 2009	WP 2010
	Call 1 +ERANET	Call 2A	Call 2B + ERANET	Call 3 + Biorefineries + ERANET	Call 4 + Africa + Ocean + Influenza + ERANET
Total topics called	78	23	50	72	56
SICAs & topics with mandatory TC participation	6	2	10	19	15
Targeted topics	17	4	10	11	4
General topics	55	17	30	40	29
Coordinated call			Russia 2 topics (Act 3)	India 2 topics (Act 2)	
Twinning			Canada (Act 3, 2)	Argentina (Act 1, 2)	open

Strong Response and Participation by Third Countries in FP7-KBBE calls (2007-2008)

	Call 1	Call 2A	Call 2B	Total
Response by Third Countries in submitted proposals	9,44 %	9,6%	17,2 %	12 %
Participation of Third Countries in proposals selected for funding	8,70%	10,10%	18,50%	11,90%
Success rate of Third Countries	18,5 %	22,70%	19,20%	19,4 %



Distribution of Countries
in selected proposals - 2007-2008



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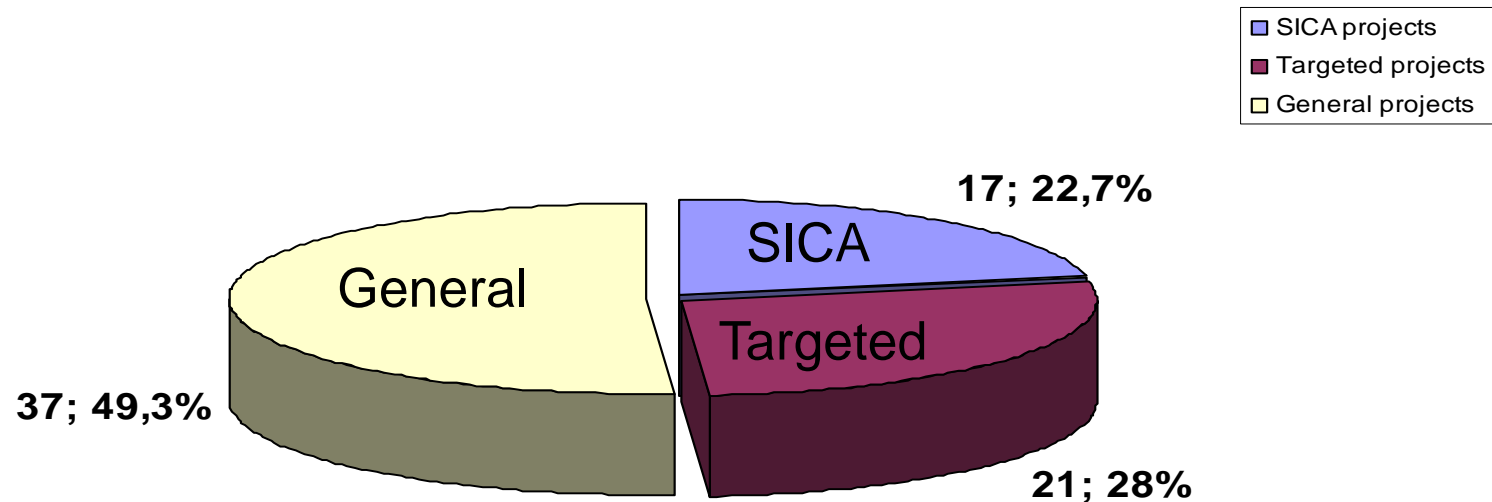
In 2007-2008:

60 PROJECTS with **TC** partners (others than AC) (out of 123 tot)

(194 partners from 49 different Third Countries – excluding AC)

50% of all projects selected include Third Countries partners

TC succeeded in all types of topics



Food, Agriculture and Fisheries and Biotechnology

Knowledge-Based Bio-Economy (KBBE)

SEVENTH FRAMEWORK PROGRAMME

ment by the European Commission

This presentation shall neither be binding nor construed as constituting



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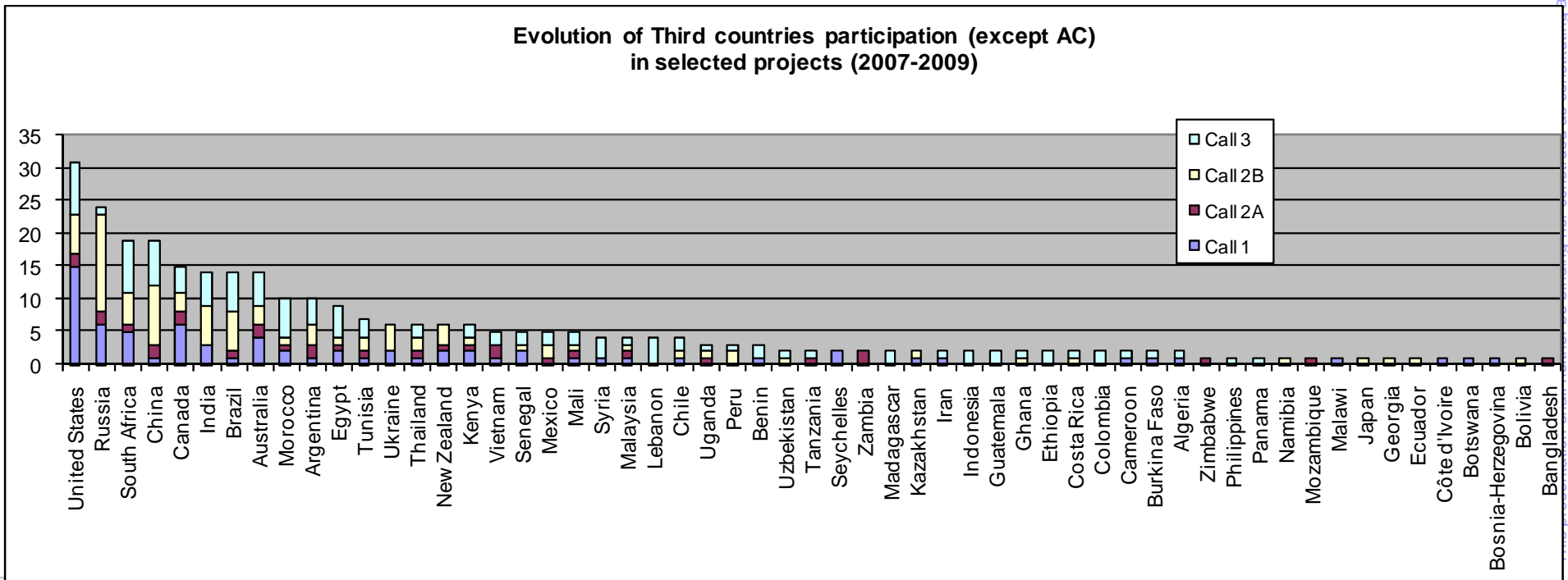
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PARTICIPATION of Third Countries in selected KBBE projects - 2007-2009

1 Commission

301 partners from 57 different Third Countries (others than AC) in successful proposals

Top 10: US; RU; SA, CN; CA, IN, BR; AU, MA; AR



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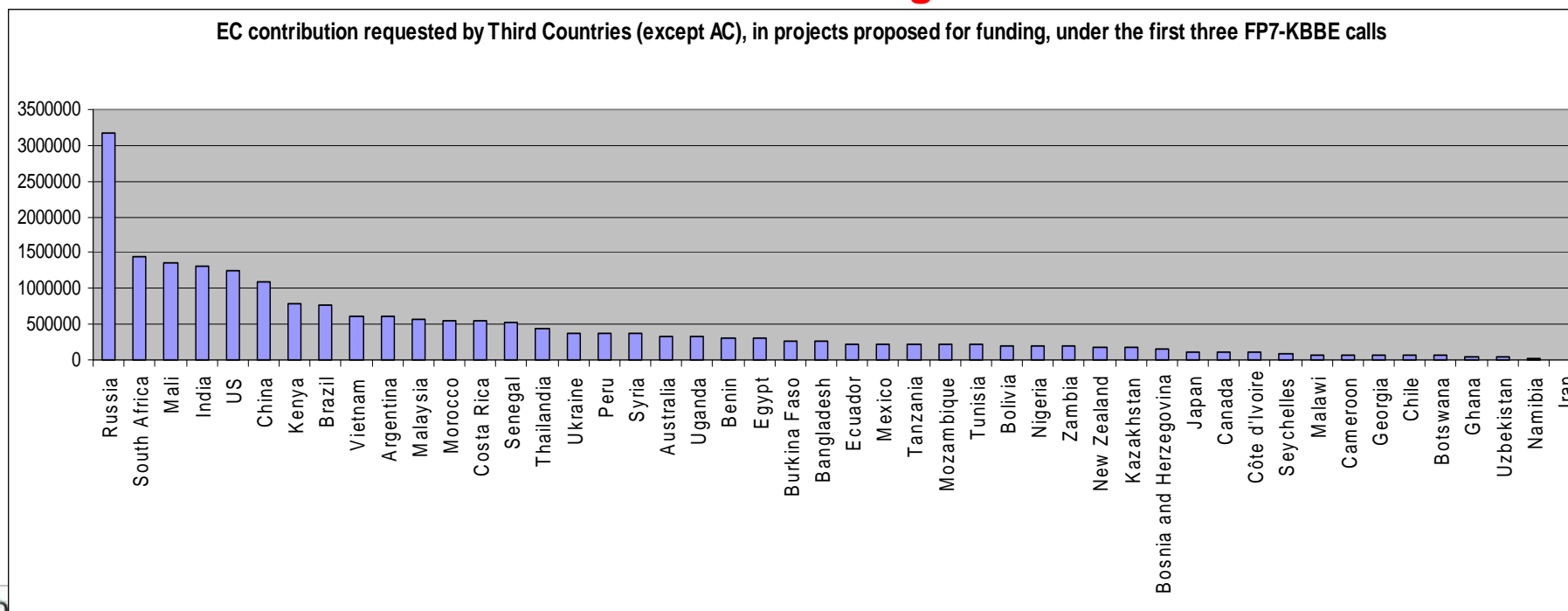
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FUNDING of Third Countries in selected projects - 2007-2008

More than **20 million€** requested EC contribution for selected partners from 46 TC

= 5.2 % of the total budget 2007-2008



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Knowledge-Based Bio-Economy (KBBE)



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Knowledge-Based Bio-Economy (KBBE)

International Cooperation in KBBE Work Programme 2010



- **Opening of all activities / topics**
to participation by Third Countries
- **Specific International Co-operation Actions (SICA) (5)**
and other topics (10) with mandatory ICPC participation
- **Targeted topics (4)**
particularly suited for international co-operation
- **Dedicated call for AFRICA (4 topics)**
- **Twinning** with programmes in Third Countries

New !

Global Initiatives and Partnership initiatives

See: www.cordis.europa.eu/fp7/kbbe/home_en.htm





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GLOBAL INITIATIVES in

Food, Agriculture and Fisheries and Biotechnology

Large number of research issues under this Theme are of global interest

➡ Need to address these **global challenges** via:

- **multilateral international efforts**
- **coordination at programmes level (beyond project level)**

**The GLOBAL INITIATIVE are actions to
co-ordinate similar R&D programmes from the EU and world-wide
in order to tackle together global challenges via broad international efforts**

Activities:

Establishment of an **international forum of R&D programme managers** from EU (FP + national programmes from MS/AC), Third countries and International organisation **to co-ordinate current and future activities from all respective programmes:**

- exchange of information, share objectives and create links between programmes
- organise multilateral networking and partnership initiatives among on-going projects from each programme
- formulate joint research agendas, jointly plan and implement new co-ordinated activities



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GLOBAL INITIATIVES in

Food, Agriculture and Fisheries and Biotechnology

To be launched in 2010

FP7-KBBE-2010-4 (Tentative publ: end July 2009, deadline: mid Jan 2010):

Initiated by the European Commission

Full title	Funding Scheme	Third Countries/Region (Mandatory / Encouraged)
Promoting coordination and cooperation at international level of research programmes in the area of animal health , in particular infectious diseases including zoonoses	CSA-CA	<u>Mandatory:</u> Latin America and Asia <u>Encouraged:</u> all countries with bilateral agreements, international organisations
Promoting global cooperation to facilitate and accelerate knowledge transfer on abiotic stress tolerance of plants	CSA-CA	<u>Mandatory:</u> Latin America and/or Asia and/or Eastern Europe and Central Asia and/or ACP and/or the Mediterranean Partner Countries <u>Encouraged:</u> all countries with bilateral agreements, international

INDICATIVE BUDGET: 1.000.000 € each from FP7

(mirroring actions by third countries partners could be foreseen)



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PARTNERSHIP INITIATIVES in Food, Agriculture and Fisheries and Biotechnology

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Definition:

Bilateral action of **systematic co-ordination** between **R&D programmes** from the EU (FP7 and national programmes) + another region / Third country, both operating in a given area of shared interest.

Scope:

Reinforcing synergies between the two counterparts programmes (EU and third country), for mutual benefit and optimised efficacy and advancement of R&D in a given area

Actions: building systematic links between large sets of research projects /consortia from the two counterparts programmes (networking meetings, short term visits, exchange of information, data, materials & methods...) for increased synergy and collaboration.

Rationale and conditions:

- A strong critical mass exist from both sides in a given R&D area of shared interest, but links between the programmes from each side are weak, insufficient or not systematic.
- Reinforcing links would provide synergetic effects, beneficial for both sides.
- The need and will of systematic bilateral co-ordination is recognised from both sides - at programme management level - and actions are supported from both parties.



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PARTNERSHIP INITIATIVES in Food, Agriculture and Fisheries and Biotechnology

To be launched in 2010

FP7-KBBE-2010-4 (Tentative publ: end July 2009, deadline: mid Jan 2010):

Full title	Funding Scheme	Third Countries (Mandatory)
EU-Russia Partnership initiative in Microbes – Plants Biodiversities	CSA-CA	Russia
EU-China Partnership initiative in Plant Breeding	CSA-CA	China

INDICATIVE BUDGET: 500.000 € each from FP7
(mirroring actions by Third countries partners could be foreseen)



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Food, Agriculture and Fisheries, and Biotechnology

Knowledge-Based Bio-Economy (KBBE)

➔ www.cordis.europa.eu/fp7/kbbe/home_en.htm

EU research

<http://www.europa.eu/comm/research>

6th Framework Programme

<http://cordis.europa.eu/fp6/dc/index.cfm?fuseaction=UserSite.FP6HomePage>

7th Framework Programme

<http://cordis.europa.eu/fp7/>

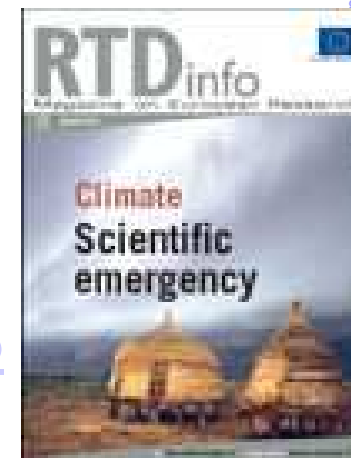
DG Research Site

<http://ec.europa.eu/research/index.cfm>

RTD info magazine

<http://ec.europa.eu/comm/research/rtdinfo>

EC Web sites



Email address: piero.venturi@ec.europa.eu