

AGRINERGY

**EU Bioenergy Policies and their effects on rural areas and
agriculture policies**

Expert-Workshop

Bruxelles, 20 November 2007

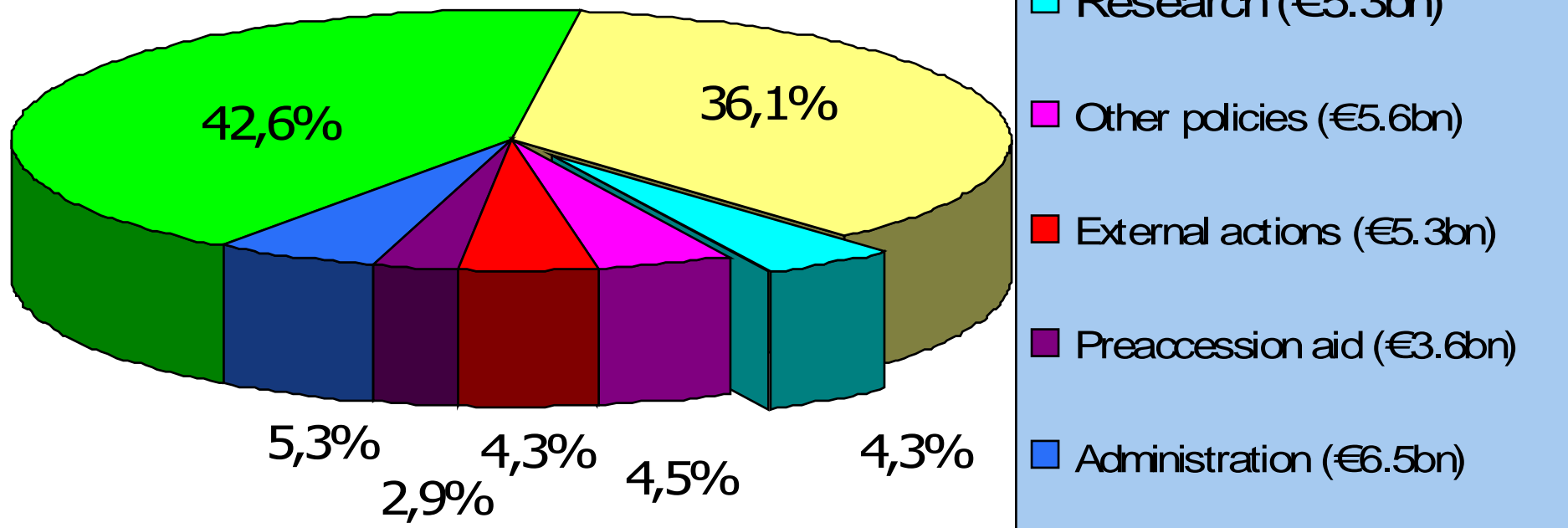
Piero Venturi

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

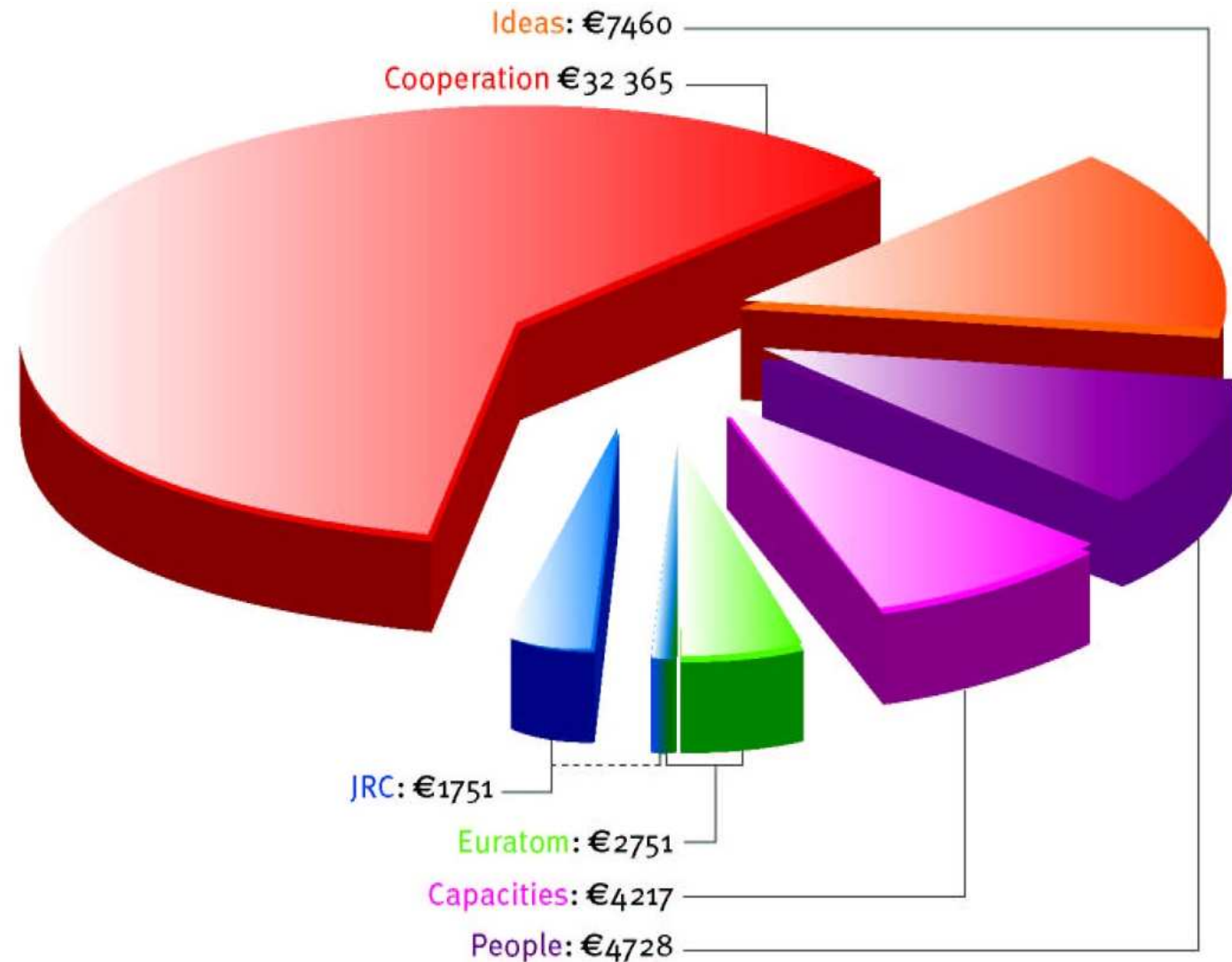


EU budget 2006: €5.3 billion for research

€ 123.5 billion expenditure
(commitments)



FP7 – Indicative breakdown (€M)



Cooperation – Collaborative research

10 Thematic Priorities

	€ M
1. Health	6.100
2. Food, agriculture and biotechnology	1.935
3. Information and communication technologies	9.050
4. Nanosciences, nanotechnologies, materials	3.475
5. Energy	2.350
6. Environment (including climate change)	1.890
7. Transport (including aeronautics)	4.160
8. Socio-economic sciences and the humanities	623
9. Space	1.430
10. Security	1.400
Total	32.413

2. Food, Agriculture and Fisheries, and Biotechnology

2.1.

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

2.2.

“Fork to farm”: Food, health and well being

2.3.

**Life sciences and biotechnology for sustainable
non-food products and processes**

Food, Agriculture, Fisheries and Biotechnology: Objectives

- **Build a European Knowledge-Based Bio-Economy (KBBE)**
- **Respond to social and economic challenges**
- **Involve all stakeholders (incl. industry) in research**
- **Support CAP and CFP**
- **Respond quickly to emerging research needs**



→ 4 Fs: Food, Fiber, Fuel and Feed

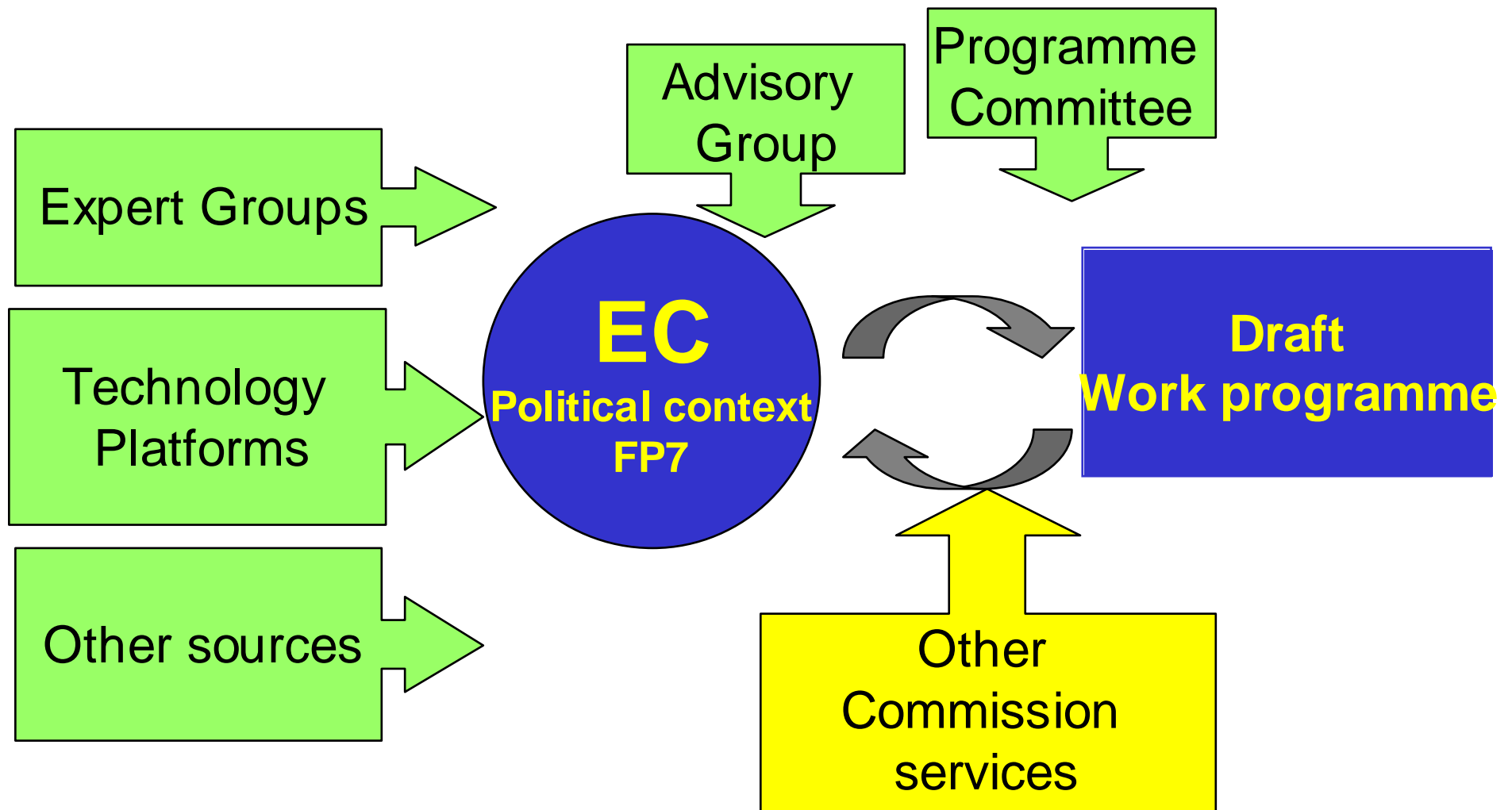


Food, Agriculture and Fisheries, and Biotechnologies

Calls for proposals 2007-2008

- **CALL KBBE-2007-1 : CLOSED (2 May 2007)**
 - Budget: 192,09 M€
- **CALL KBBE-2007-2A : CLOSED (11 September 2007)**
 - Publication: 15 June 2007
but already part of Work Programme 2007 !!!
 - Large Collaborative Projects & NoE covering all activities and areas
 - 2 step evaluation procedure
 - **Deadlines for proposal submission: 11 Sep 2007, 19 Feb 2008**
 - Final evaluation : April 2008
 - Budget: 110 M€
- **CALL KBBE-2007-2B**
 - Publication: November 2007 (expected)
 - Workprogramme 2008
 - **Deadline for proposal submission: 26 Feb 2008**
 - Evaluation : April 2008
 - Budget (indicative): ca. 100 M€

Preparation of the Work Programme





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

Call: FP7-KBBE-2007-2B (Workprogramme 2008)

Enabling Research

Genomic resources in crop plants for breeding
Epigenetics in crop plants

Animal Health, Production and Welfare

Animal health and food safety
Foot-and-mouth disease
Classical swine fever

Sustainability / Plant health / Crop protection

Organic farming and biodiversity
Precision livestock farming
Impact of aquaculture
Sustainable farming
Forest diversity
Forest energy
Reducing nitrogen losses

Socio-Economic and Support to Policies

Plant health / Deep sea fisheries
Fisheries management
CAP and rural development programmes
Non-tariff barriers
Societal impact of organic farming
Public perception of GM animals
Andean soil microbial diversity
Quality assurance schemes
ERANET agriculture and sustainable development
Coordinating KBBE and ETPs

* SCP: Small Collaborative Projects
SICA



Activity 2.2. Fork to farm : Food (including sea food), health and well being

Call: FP7-KBBE-2007-2B (Workprogramme 2008)

Consumers

Healthy eating habits

Food Processing

Micro-structure of foods
Sulphites in foods
Food scientists

Nutrition

Human cell function and nutrition
Traditional food products
Obesity prevention

Food Quality and Safety

Perfluorinated organic compounds in food
Biocides and antibiotic resistance

Environmental impacts and total food chain

Food contaminants and obesity
Lead market vision for food
Dissemination of research projects in the food sector

* SCP: Small Collaborative Projects

SICA



Activity 2.3. Life Sciences, Biotechnology and Biochemistry for Sustainable non-food products and processes

Call: FP7-KBBE-2007-2B (Workprogramme 2008)

Improved biomass and plant based renewables

Plant natural products

Sweet sorghum

Non-food crops

Plant-produced vaccines

Molecular farming

Environmental biotechnologies

Upgrading of forest products

Aquatic anaerobic bioremediation

Bioprocesses

Fine and speciality chemicals

Industrial enzymes

Nanobiotechnology based biosensors

Novel nanobiotech processes and products

Integrated biorefineries

Flax and hemp

Marine biotechnology

* SCP: Small Collaborative Projects

SICA

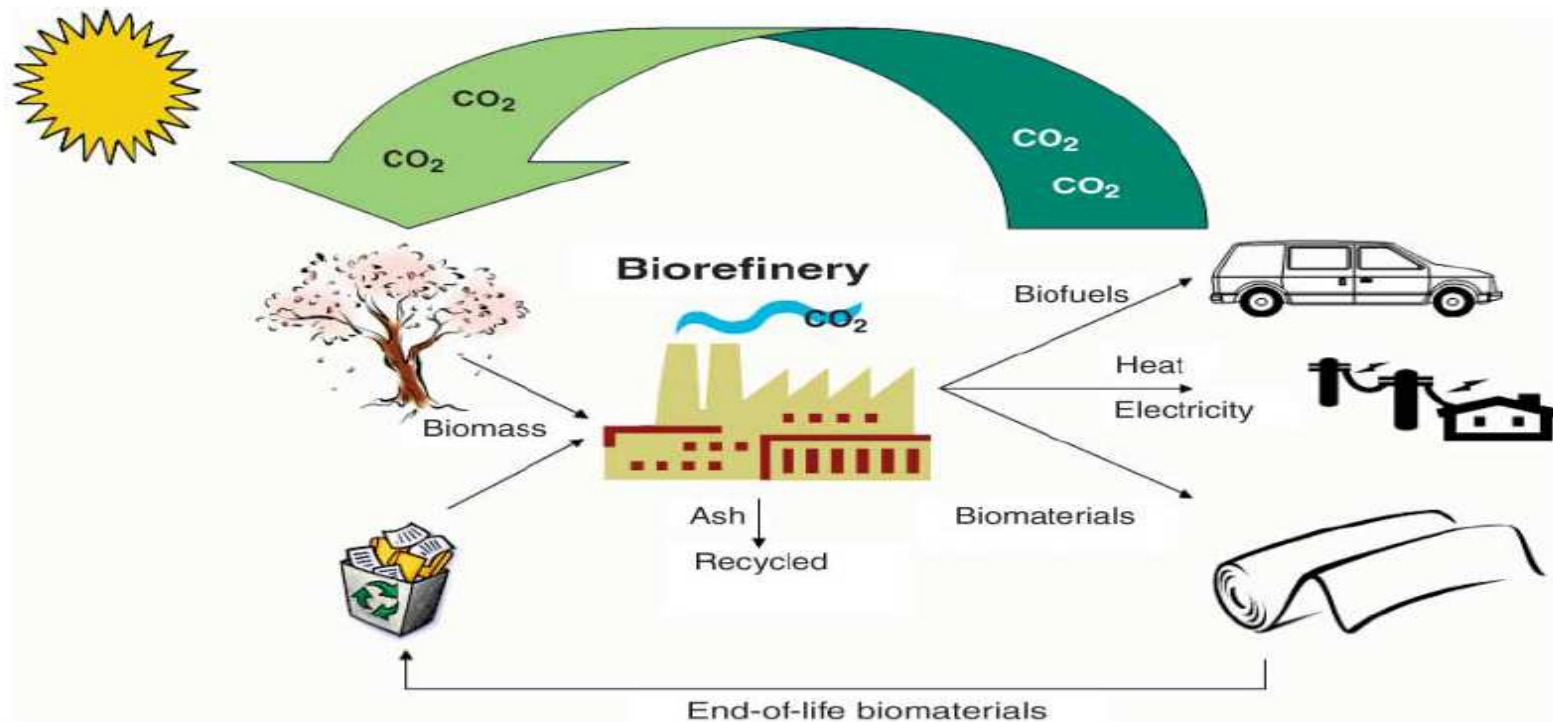


Fig. 1. The fully integrated agro-biofuel-biomaterial-biopower cycle for sustainable technologies.



Success will depend on mobilisation of all actors

