



## Main Drivers for Policy and Research

# on Biomass in the EU



4F CROPS Workshop Lyon, 4th May 2010

Food, Agriculture and Fisheries, and Biotechnology Knowledge-Based Bio-Economy (KBBE) Eveline Lecoq Unit Biotechnologies Directorate Biotechnologies, Agriculture, Food Directorate-General for Research European Commission



The Commission intends to present a formal proposal for the EU 2020 strategy early next year, with a view to the EU's Heads of State and government adopting the strategy at their spring 2010 meeting. In the meantime, the Commission would like to hear your views on some suggested broad policy considerations for the future EU2020 strategy, which are contained in the consultation document below.





## Challenges for the future



EUROPEAN COMMISSION

European Research Area



## The 7<sup>th</sup> EU Framework Programme for Research and Development 2007-2013 (total funding 53 billion €)

- the	<u>Cooperation</u> •Collaborative Research	<u>Ideas</u> •Frontier Research		Specific Programm	
	<u>People</u> •Human Potential	<u>Capacities</u> •Research Capacity	A CON	Cooperation – <i>Collaborative Research</i> Ideas – <i>Frontier Research</i> People – <i>Human Potential</i> Capacities – <i>Research</i> <i>Capacity</i>	€ 32.365 m € 7.460 m € 4.728 m € 4.217 m
<u>Euratom</u>		<u>JRC</u>		JRC, non nuclear JCR, nuclear	€ 1.751 b € 0.517 b
				EURATOM	€ 2.234 b

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# Food, Agriculture and Fisheries, and Biotechnology



**KBBE - Activity 2.1** 

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

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## 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



# Activity 2.3. - Biotechnologies

SEVENTH FRAMEWORK

ROGRAMME

European Research Area E U R O P E A N COMMISSION

**2.3.1. Novel sources of biomass and bioproducts** 



2.3.2. Marine and fresh-water biotechnology



## 2.3.3. Industrial biotechnology

2.3.4. Biorefinery



## 2.3.5. Environmental biotechnology



## 2.3.6. Emerging trends in biotechnology

and Biotechnology Knowledge-Based Bio-Economy (KBBE) Not legally binding

# Activity 2.3 - Biotechnologies (on-going activities)

## 2.3.1. Novel sources of biomass and bioproducts

 ✓ AQUATERRE: Identification of optimal terrestrial and aquatic biomass and waste for Bioproducts

Inventory of existing biomass feedstocks in Europe, mapping through Geographical Information Systems (GIS) tools and quantify the potential.

Coordinator: University of Akureyri (IS) EC Contribution: 775.003 €

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#### ✓ CROPS2INDUSTRY: Non-Food Crops-to-Industry schemes in EU27

Explore the potential of non-food crops, which can be domestically grown in EU27 context, for selected industrial applications, namely oils, fibers, resins, pharmaceuticals and other specialty products and outline and prioritise crops-to-products schemes, suitable for the different MS.

Coordinator: Myrsini Christou, CRES (GR) EC Contribution : 994.246 €

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✓4F CROPS: Future Crops for Food, Feed, Fiber and Fuel Survey and analyze all the parameters for successful non-food cropping systems in the agriculture of EU27.

Coordinator: Efthimia Alexopoulou, CRES (GR) EC Contribution: 994.382 €

#### ✓ ENERGYPOPLAR: Enhancing Poplar Traits for Energy Applications

Coordinator: Francis Martin, INRA (FR)

EC Contribution: 2.987.778 €

✓ EU-PEARLS: EU-based Production and Exploitation of Alternative Rubber and Latex Sources (guayule and Russian dandelion)

Coordinator: Hans Mooibroek, Wageningen University and Research Centre (NL) EC Contribution: 5.860.116 €





#### ✓ ICON: Industrial Crops producing added value Oils for Novel chemicals

Coordinator: Sten Stymne, Swedish University of Agricultural Sciences (SE) EC Contribution: 5.791.183 €

#### ✓ SWEETFUEL: Sweet Sorghum: an alternative energy crop

Coordinator: Serge Braconnier, CIRAD (FR) EC Contribution: 2.967.975 €

✓ JATROPT: Jatropha curcas applied and Technological Research on Plant Traits

Coordinator: Robert van Loo, Wageningen University and Research Centre (NL) EC Contribution: 2.995.739 €

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 ✓ Global-Bio-Pact: Global Assessment of Biomass and Bioproduct Impacts on Socio-economics and Sustainability.

Development and harmonisation of global sustainability certification systems for biomass production, conversion systems and trade. Partners from Europe, Latin America, Africa, Asia and USA.

Coordinator: Rainer Janssen, WIP GmbH & Co Planungs KG (DE) EC Contribution: 999.494 €

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- ✓ BEE: Biomass potential assessment studies
- ✓CEUBIOM: Classification of European Biomass Potential for Bioenergy Using Terrestrial and Earth Oberservations

Competitiveness and Innovation Framework Programme (CIP), Intelligent Energy Europe Programme (IEE)

- ✓ Biomass Future: Biomass role in achieving the Climate Change & Renewables EU policy Targets. Demand and Supply dynamics under the perspective of Stakeholders
- ✓ EUBIONET III: Solutions for biomass fuel market barriers and raw material availability

and many more under http://ieea.erba.hu/ieea/page/Page.jsp

Knowledge-Based Bio-Economy (KBBE)







- Mission oriented research
- SME participation in selected topics
- EU12 ("Enlarged Europe")
- International Cooperation
- Coordination: Other themes and Member States
  - ✓ Ocean 2011 call
  - ERA-NETs: Synthetic Biology, Industrial Biotechnology, Marine Biotechnology

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## Indicative timetable for WP2011 KBBE Drafting

- January-March 2010 Discussion of WP2011 with Programme Committee (PC) and Advisory Group (AG)
- March-April 2010 Finalisation and approval within DG Research of internal WP draft
- May-June 2010 Inter-service consultation
- End June mid-July 2010 PC consultation
- End July 2010 Publication of WP2011 and calls
- 13 September 2010 Info day in Brussels



**Research** Area



Indicative timetable for WP2011 KBBE Calls

Draft schedule for calls:

OMMISSION

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Foreseen publication date: Indicative budget: Foreseen deadline: Evaluation: end of July 2010 approx 260 million € 18 January 2011 March/April 2011

=> evaluation under the single-stage procedure

Negotiations:May/June 2011Submission of Grant preparation documents:June/July 2011Commission funding decision/first contract signatures:

by Nov/Dec 2011

#### www.cordis.europa.eu/fp7/kbbe/home\_en.htm

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# Thank you for your attention!

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