
Croatian participation in the first FP7 KBBE calls: focus on Biotechnology

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Overview

- Food, Agriculture, and Fisheries, and Biotechnology - FAFB Theme in FP7 (KBBE - Knowledge Based Bio-Economy)
- Biotechnology in KBBE
- Croatian participation in the first KBBE calls - focus on Biotechnology

FAFB Theme - KBBE

2. Food, Agriculture, Fisheries and Biotechnology

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

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

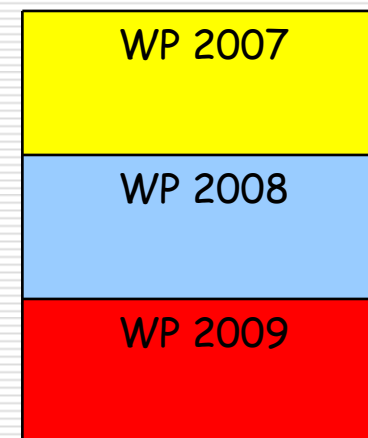
2.3 Life sciences, biotechnology & biochemistry for
sustainable non-food products and processes

FAFB budget

year 2007 2008 2009 2010 2011 2012 2013

m€ 192 210 233 262 299 333 371

	Budget 2007	Budget 2008	Budget 2009
Large projects; NoEs (two stages - except 2007 !)	Call 1	Call 2A	Call 3
Small CPs/CSAs (one stage)	Call 1	Call 2B	Call 3



FAFB (KBBE) closed calls

- **call FP7-KBBE-2007-1**
opened: 22/12/2006
closed: 02/05/2007

- **call FP7-KBBE-2007-2A**
opened: 15/06/2007
closed: 11/09/2007 (1st stage)
19/02/2008 (2nd stage)

- **call FP7-KBBE-2008-2B**
opened: 30/11/2007
closed: 26/02/2008

Biotechnology in KBBE

- ❑ **Improved crops, feed-stocks, marine products and biomass for energy, environment, and high added value industrial products; novel farming systems**
- ❑ **Bio-catalysis; new bio-refinery concepts and other bioprocesses**
- ❑ **Forestry and forest based products and processes**
- ❑ **Environmental remediation and cleaner processing**

Biotechnology: closed calls (1)

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

- **WP 2007-2008**
call FP7-KBBE-2007-1
call FP7-KBBE-2007-2A
→ 3 areas

- **WP 2008**
call FP7-KBBE-2008-2B
→ 3 areas

Biotechnology: closed calls (2)

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

- Area 2.3.1 Improved biomass and plant based renewables**
- Area 2.3.2 Bioprocesses**
- Area 2.3.3 Environmental biotechnologies; Use of waste and by-products**

Biotechnology: future call (1)

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

- **WP 2009**
call FP7-KBBE-2009-3
→ 5 (new) areas

Biotechnology: future call (2)

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

- Area 2.3.1 Novel sources of biomass and bioproducts**
- Area 2.3.2 Marine and fresh-water biotechnology (blue biotechnology)**
- Area 2.3.3 Industrial Biotechnology: novel high added-value bio-products & bio-processes**
- Area 2.3.4 Biorefinery**
- Area 2.3.5 Environmental biotechnology**
- Area 2.3.6 Emerging trends in biotechnology**

Biotech: Croatian participation

□ call FP7-KBBE-2007-1

→ 5 participants, 4 project proposals

□ call FP7-KBBE-2007-2A

→ 1st stage: 2 participants, 2 project proposals

→ 2nd stage: 2 participants, 2 project proposals

□ call FP7-KBBE-2008-2B

→ 1 participant, 1 project proposal

Call FP7-KBBE-2007-1 (1)

□ Above the threshold:

→ **2 proposals with 2 Croatian participants**

→ **1 research institute** (reserve list)

- topic: DESIGNER ENZYMES - Improved biocatalysts for bioprocesses

→ **1 SME** (main priority list)

- topic: IMPROVED MICROBES FOR THE ENVIRONMENT - Microbial gene expression under condition of stress

Call FP7-KBBE-2007-1 (2)

□ Under the threshold:

→ **2 proposals with 3 Croatian participants**

→ **1 faculty**

- topic: FUTURE CROPS - Technical, socioeconomic, environmental and regulatory aspects of future nonfood crop systems

→ **1 research institute, 1 SME**

- topic: IMPROVED MICROBES FOR THE ENVIRONMENT - Microbial gene expression under condition of stress

Call FP7-KBBE-2007-2A

1st & 2nd stage:

□ Above the threshold:

→ **2 proposals with 2 Croatian participants**

→ **1 faculty**

- topic: USEFUL WASTE - Novel biotechnology approaches for utilizing wastes, including aquaculture wastes, to make high added value products

→ **1 SME**

- topic: NOVEL ENZYMES - The search for novel enzymes and micro-organisms for different bioprocesses

Call FP7-KBBE-2008-2B

Above the threshold:

→ none

Under the threshold:

→ 1 proposal with 1 Croatian participant

→ 1 SME

- topic: Novel nanobiotechnology (bio to nano)
processes and products

Conclusion

- ❑ **Croatian participation in the Biotechnology field of the KBBE Theme → decreasing, by:**
 - the number of proposals involving Croatian partners
 - the quality of proposals involving Croatian partners

- ❑ **More efforts need to be done, by:**
 - informing the Croatian researchers about the possibilities of cooperation in the Biotechnology field within FP7 (new areas of research addressed in the call to come)
 - connecting the Croatian researchers with their EU colleagues (targeted partner search)

Contact

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Thank you for your attention!

