



Aquainnova

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## BECOTEPS

**The Bio-Economy Technology Platforms join forces to address synergies and gaps between their Strategic Research Agendas**

### The Challenge

Today's 'bioeconomy' is the largest economic sector and employer in Europe – employing over 22 million people with an annual turnover of more than 1.8 trillion Euros. It is estimated that from 1960 – 2050 the world population will double to 9.1 billion people. In the next 50 years, we have to produce better and more food than ever before, on less land per capita. At the same time, we have to reduce the amount of water usage and the amount of energy we use. The importance of all platforms working together is real, defining the concept of bioeconomy as a complex web of interactions: where one platform 'ends' another carries on. To get closer to implementing the bioeconomy of the future we must go beyond our respective sectors, we must address the challenges and find solutions bridging across the sectors in chains which eventually cycle again back through the complex chains in a dynamic and synergistic flow.

### Project Objective

The overall objective of BECOTEPS is to contribute to the creation of a strong Knowledge Based Bio-Economy (KBBE) in Europe.

### Key Points

- Achieve closer and more coordinated collaboration between the KBBE European Technology Platforms (ETPs)
- Develop recommendations for better interaction between the KBBE ETP stakeholders along the product chains and the sustainability issue regarding multidisciplinary research, innovation and policy issues to enhance implementation of the ETPs' Strategic Research Agendas (SRAs).
- Encourage discussions between European and national, public and private, research and innovation initiatives to foster implementation of the SRAs based on the recommendations developed between the ETPs.

#### EATiP *Thematic Area of Relevance*

**TA1:** Product Quality, Consumer Safety and Health

**TA2:** Technology and Systems

**TA3:** Managing the Biological Lifecycle

**TA4:** Sustainable Feed Production

**TA5:** Integration with the Environment

**TA6:** Knowledge Management

**TA7:** Aquatic Animal Health and Welfare

**TA8:** Socio-Economics and Management

#### Key Words

Bioeconomy, platform, ETP, KBBE, SRA, industrial commitment / research initiatives

#### Project Information

**Contract number:**

226526

**Contract type:**

Support actions

**Research area:**

KBBE - Coordinating the activities of KBBE relevant European Technology Platforms

**Duration:**

24 months (01/03/2009 – 28/02/2011)

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## Key New Knowledge Expected

- Definition of future research challenges and dissemination to national and European funding organisations and ministries
- Identification of gaps and overlaps between the SRAs of the different ETPs
- **BECOTEPS WHITE PAPER:**
  - Recommendations on how to improve the interaction between KBBE stakeholders and jointly address the grand challenges that lie ahead
  - Recommendations on the product chains and sustainability issues
  - Recommendations on multidisciplinary research – innovation – policy – cross cutting issues

## Potential Impacts



### Knowledge Transfer

- Through promotion and dissemination activities (workshops, events, meetings), the project will enable further dialogue between stakeholders education and training, , the setting up of networks and the intensification of two-way interaction with politicians and the public. This will bust trans-sectorial co-operation and minimise fragmentation.
- The project will support a more innovation and business friendly climate as a prerequisite for strengthening the bioeconomy in Europe, from identifying innovation hurdles to supporting innovation measures.



### RTD

- The improvement of the interaction between the KBBE ETP stakeholders along the product chains will enable the development of a holistic approach of the KBBE sector in research and in the implementation of programmes of all levels (EU to national, public to private).
- Recommendations on activities needed to bridge the gap between the SRA of relevant ETPs and the preparedness of the European scientific community to implement the SRAs will help to increase the synergy between the medium to long term strategic approach in the research programmes thus enabling better fine-tuning according to the national or specific priorities and possibilities, and increase synergy where desired and as far as possible between them.
- The project will help the prioritisation of actions for later FP7 calls and for research programmes on a multinational and national level.
- By providing critically discussed recommendations on what has to be done at European level to reach critical mass in the KBBE to address the challenges for European / global society, environment and economy in future the project will have an impact on the concept of FP8.



### RTD & SME

- The overall concept and conclusions will be freely available and provide a concise constructive broadly discussed overview of the science and implementation needs of Europe's most important and diverse SME and industry sector, this will increase the transparency of European research into business at the KBBE level.



### SME

- The project will help to further develop strategies required for the different industry categories. The needs of each category are different, taking into account the different company structures and development / innovation in the different sectors.



### Policy

- This project will help to encourage policy support towards the establishment of a future European Bioeconomy, focusing on overcoming bottlenecks in research and innovation. It will encourage politicians to use their influence in the society to support the appreciation and a balanced approach to opportunities, benefits and risks of bio-based technologies.

## Related Publications/Projects

Parliament Magazine (<http://www.e-pages.dk/dods/154/>) ; 7-8 May 2009, Research Connection 2009, Prague (stand on the project: poster, movie and life display + article in the conference newspaper)