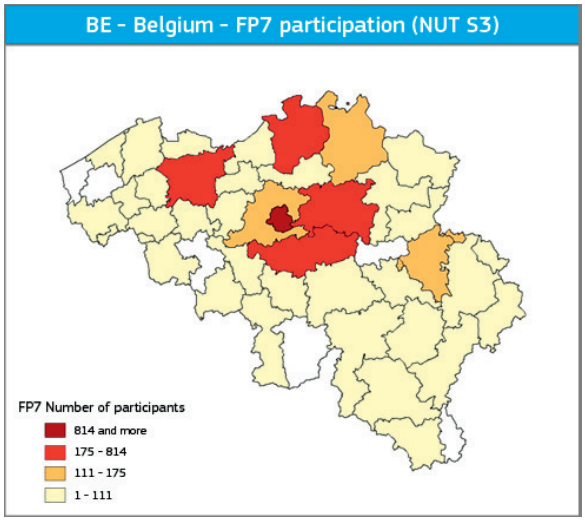
European Commission

BELGIUM



Belgium has a high quality research system, characterised by a strong international openness. The quality of the scientific production is evidenced by the number of scientific publications within the top 10% most cited publications worldwide, as % of the total publications of Belgium (15.8%, well above EU average of 11.6%). However, R&D intensity stagnated in the period 2000-2010, rising only from 1.97 % to 1.99 % of GDP. While public R&D expenditure increased in this period (from 0.55 % to 0.67 % of GDP), private expenditure on R&D declined (from 1.42 % to 1.32 % of GDP). The decrease in business R&D intensity during the last decade is due to strong decreases in the R&D activities in Belgium of the communication equipment and chemical sectors. Pharmaceuticals-related R&D expenditures on the contrary increased, representing in 2009 28% of total business expenditures.

The consensus in Belgian political circles about the importance of research and innovation as a key source of economic growth has been reflected in significant budgetary efforts from all political entities, especially between 2005 and 2009, as well as in the development of sophisticated and comprehensive policy mixes at national and regional levels. At federal level, fiscal incentives for R&D are an important tool. In the Walloon Region the focus has been on supporting a limited number of competitiveness poles (a cluster approach). In the Flemish Region, the willingness to address through innovation some specific societal challenges is a main driver of research & innovation policy. In the Brussels Capital Region, the preparation of a new research & innovation strategy has started in 2011; it will include a 'smart specialisation' approach.

Innovation Union Scoreboard position	5 out of 28 (Innovation follower)
R&D intensity target	3% of GDP
Total number of participants, total EU financial contribution € million	4.191 participants receiving € 1.315,61 m in FP7
Number of applicants	20.005 (4,17% of EU-28)
Success rate (EU-28 =20, 6%)	25,9%
Rank in number of participants signed contracts (EU-28):	7
Rank in budget share (EU-28)	7
Top collaborative links	1. DE - Belgium (7.045) 2. UK - Belgium (5.706) 3. FR - Belgium (5.370) 4. IT - Belgium (4.722) 5. ES - Belgium (3.862)
Total Population & EU 28 Population Share	10.951.700 (2.16% of EU-28)

eCORDA DATA update as of 1 July 2013

RE-ROAD

Asphalt just got greener

The environmental credentials of road building are set to get a boost as new techniques for recycling asphalt become available thanks to the Re-Road project.

Due to report its findings at the end of 2012, the project claims it will deliver significant breakthroughs in the area. Although 99% of asphalt can be recycled, rates of only 10% are common in some European countries prompting calls for improvements in practices.

PROJECT DETAILS	
Coordinator	Statens VAG - OCH Transportforskningsinstitut, Sweden
Other partners from	United Kingdom, Belgium, Sweden, Germany, France, Denmark, Ireland
Country partner	ARTESIS HOGESCHOOL ANTWERPEN, EUROPEAN ASPHALT PAVEMENT ASSOCIATION, CENTRE DE RECHERCHES ROUTIERES - OPZOEKINGSCENTRUM VOOR DE WEGENBOUW, FORUM DES LABORATOIRES NATIONAUX EUROPEENS DE RECHERCHE ROUTIERE
Web	http://re-road.fehrl.org/
FP	7
Project number	218747
Total cost in €	3 207 409
EU Contribution in €	2 415 610
Start date	January 2009
End date	December 2012

ADVANCEETV

Helping Europe's green tech compete on the world market

Environmental technologies offer the promise of a sustainable economic future and innovative business opportunities. But many of Europe's green tech start-ups have to struggle to break onto the world market because there are no clear global standards by which to judge their value.

That could change thanks to a project, AdvanceETV, setting up a verification programme to help users and investors choose and invest in environmentally sound technologies

PROJECT DETAILS	
Coordinator	Dechema Gesellschaft fuer Chemische Technik und Biotechnologie, Germany
Other partners from	Belgium, Canada, United States, Denmark, Sweden, The Netherlands, United Kingdom, Germany, Poland, Spain
Country partner	COMITE EUROPEEN DE NORMALISATION, COMMISSION OF THE EUROPEAN COMMUNITIES - DIRECTORATE GENERAL JOINT RESEARCH CENTRE - JRC
Web	http://www.dechema.de/
FP	7
Project number	226824
Total cost in €	1 324 873
EU Contribution in €	998 897
Start date	January 2009
End date	Jul.y 2012

EUROBIOREF

How a Radical Re-Design is Strengthening Economic Viability in The Bioeconomy

For most people, the bioeconomy is the way of the future. A shift towards an economy based on renewable resources not on fossil fuels is no longer just an option, it's a necessity.

EuroBioRef is an EU-funded project set up to address the problem of biorefineries by identifying improvements in bio-refinery design and operation. These improvements could play a pivotal role not only in enabling a truly viable bioeconomy, but also in giving Europe an important competitive advantage in this vital new area.

PROJECT DETAILS	
Coordinator	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, France
Other partners from	Sweden, Germany, Denmark, United Kingdom, Poland, Italy, Greece, Switzerland, Norway, Portugal, Bulgaria, Belgium, Madagascar, France
Country partner	EUROPEAN BIOMASS INDUSTRY ASSOCIATION --Brussels, OLEON NV - ERTVELDE
Web	http://www.cnrs.fr/
FP	7
Project number	241718
Total cost in €	37 076 947
EU Contribution in €	23 073 794
Start date	March 2010
End date	February 2014

FLAGSHIP

A real-time scheduling system for ports

A team of researchers from an EU-funded consortium of partners, including port authorities, shipping companies, universities and organisations specialised in regulations, IT and safety, has come up with a real-time scheduling system for ports.

The idea is to ensure that containers are moved around ports as efficiently as possible, leading to transport savings as well as reduced CO2 emissions, less noise and less congestion around ports. The system is being used in the Port of Valencia in Spain and has been bought by a Chinese shipping company. These are two examples of success stories based on the results of the research.

PROJECT DETAILS	
Coordinator	EUROPEAN COMMUNITY SHIPOWNERS' ASSOCIATIONS (A.S.B.L.), BRUSSELS
Other partners from	Greece, France, Italy, United Kingdom, Spain, Denmark, Germany, Finland, Belgium, Portugal, Netherlands, Lithuania, Norway
Country partner	COMMUNITY OF EUROPEAN SHIPYARDS ASSOCIATIONS - BRUSSELS; EUROPEAN MARINE EQUIPMENT COUNCIL - BRUSSELS
Web	http://www.flagship.be
FP	6
Project number	31406
Total cost in €	19 434 602
EU Contribution in €	10 215 000
Start date	January 2007
End date	May 2011

NAIMIT

Genetically altered bacteria to help stop diabetes in its tracks

As the world's population grows, so does the increase in the number of new cases of Type I diabetes among the very young.

Researchers at the EU-funded project NAIMIT are using a genetically modified form of the bacterium Lactococcus lactis to help alter the way the disease contributes to Type I diabetes in children. Success in this research could improve the quality of life for millions of people worldwide suffering from this autoimmune disease.

PROJECT DETAILS	
Coordinator	KATHOLIEKE UNIVERSITEIT LEUVEN, BELGIUM
Other partners from	United Kingdom, Belgium, Italy, Denmark, Germany, Portugal, The Netherlands
Country partner	ACTOGENIX NV, UNIVERSITE LIBRE DE BRUXELLES
Web	http://naimit.eu/
FP	7
Project number	241447
Total cost in €	14 247 400
EU Contribution in €	10 920 800
Start date	November 2009
End date	October 2014