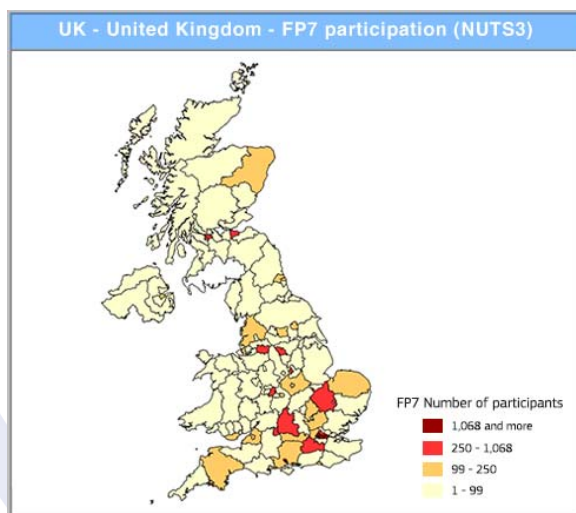


UNITED KINGDOM



The UK has high degree of economic specialisation with strengths in pharmaceuticals and financial services of which the latter may lead it to have a naturally relatively low level of R&D intensity. It also has a strategic view of innovation, a well developed policy mix of instruments and leads the debate and practice in many areas. These include procurement of innovation, tax incentives for R&D and university knowledge exchange income.

Despite a healthy economy until the onset of the crisis in 2008, UK R&D intensity had been stagnant and now risks falling with business investments likely to follow falling public spending on R&D. While undertaking a necessary fiscal consolidation and core science budget is maintained in cash terms, with other department R&D budget's cut the future growth potential of the UK economy would benefit of limiting overall public R&D spending cuts and providing multi-annual

perspective on support to public and private R&D investment.

Innovation Union Scoreboard position	8 out of 27 (Innovation follower)
R&D intensity target	An R&D intensity target for 2020 is not available.
Total number of participants, total EU financial contribution € million	12.817 participants receiving € 4.918,02 m in FP7
Number of applicants	58.597 (14,08% of EU-27)
Success rate (EU-27 =21.0%)	23,2%
Rank in number of participants signed contracts (EU-27):	2
Rank in budget share (EU-27)	2
Top collaborative links	1. DE - United Kingdom (18.683) 2. FR - United Kingdom (12.891) 3. IT - United Kingdom (11.786) 4. ES - United Kingdom (9.847) 5. NL - United Kingdom (8.621)
Total Population & EU 27 Population Share	63.047.162 (12.4% of EU-27)

CORDA DATA update as of 1 March 2013

PLASTICISE – Restoring plasticity in the adult brain

Fifteen million people worldwide suffer a stroke each year, and Alzheimer's disease affects 18 million. Together with spinal injuries, these three conditions are responsible for most cases of long-term disability in Europe and numbers will increase with our ageing population.

When part of the brain is damaged through injury or illness, another area can build new neural connections, but adults have much less of this 'plasticity' than young children.

The international team of researchers in the €5.3 million PLASTICISE project have used cut edge research and technology from across Europe to identify promising new treatments options to restore plasticity of neural connections in stroke, brain or spinal injury and Alzheimer's disease. In Alzheimer's this may also enhance the ability to learn and remember. This brings new hope to the people with these conditions to improve their quality of life.

PROJECT DETAILS	
Coordinator	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE, United Kingdom
Other partners from	Switzerland, Poland, United Kingdom, France, The Netherlands, Italy, Germany, Israel
Country partner	DANDO WEISS & COLUCCI LIMITED, GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LTD., UNIVERSITY COLLEGE LONDON
Web	http://www.cam.ac.uk/
FP	7
Project number	223524
Total cost in €	6 767 727
EU Contribution in €	5 199 445
Start date	Dec. 2008
End date	Nov. 2012

ACTINOGEN - Fighting back against drug-resistant disease

With the emergence of new strains of drug-resistant bacteria, bringing potentially life-threatening diseases such as the MRSA (Methicillin-resistant *Staphylococcus aureus*) 'superbug', multi-drug resistant Gram negative hospital infections as well as drug-resistant tuberculosis, the world is in need of new antibiotics.

Now, a European Union (EU)-funded research consortium has discovered an answer – hidden in the genetic codes of bacteria found in garden soil.

PROJECT DETAILS	
Coordinator	University of Wales, Swansea, United Kingdom
Other partners from	Czech Republic, Spain, Germany, France, Republic of Korea, United Kingdom, Denmark, Italy, Netherlands
Country partner	INSTITUTE OF MICROBIOLOGY, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC
Web	http://cordis.europa.eu/projects/rcn/74037_en.html
FP	6
Project number	5224
Total cost in €	11 350 858
EU Contribution in €	9 384 133
Start date	Jan.05
End date	Dec.09

AEROPATH - New approaches pioneered to combat superbugs

Bacterial infection – particularly superbugs which cause respiratory, gastrointestinal and a range of other serious problems – is on the rise in Europe.

The European Union (EU)-funded AEROPATH project is making encouraging progress in identifying techniques to break down the resistance of these superbugs. The ability to bind special inhibitors to the superbugs is opening the way towards developing new antimicrobial drugs.

PROJECT DETAILS	
Coordinator	University of Dundee, United Kingdom
Other partners from	Sweden, Germany, United Kingdom
Country partner	The University Court of The University of St Andrews
Web	http://www.dundee.ac.uk
FP	7
Project number	223461
Total cost in €	6 049 979
EU Contribution in €	4 591 463
Start date	Nov.08
End date	Oct.12

META PREDICT - Can three minutes of exercise a week help make you fit?

There is a tremendous variation in the health gains made following a fully compliant and supervised exercise-training program. In fact for insulin and aerobic fitness, two the most powerful biomarkers for future risk of cardiovascular and death, some subjects actually demonstrate no measurable response to training.

META-PREDICT aims at identification of molecular biomarkers for response to exercise training, so that individualised life style strategies can be developed to fight or prevent metabolic diseases such as obesity, diabetes and cardiovascular disease.

PROJECT DETAILS	
Coordinator	The University Of Birmingham, United Kingdom
Other partners from	Sweden, Spain, Denmark, Finland, United States, Canada, United Kingdom
Country partner	The University Of Nottingham
Web	http://metapredict.eu
FP	7
Project number	277936
Total cost in €	7 889 608
EU Contribution in €	5 998 406
Start date	Dec.11
End date	Nov.15

GRATTITUDE - Researching ways to make the most of cassava and yams crops

Cassava and yams are staples for some 700 million people around the world, mainly in poor countries. They are nutritious and easy to grow, but they can spoil after harvest, and a large chunk of the crop is often lost.

A new European Union (EU)-funded research project, Gratitude, is aiming to cut these losses by improving storage and processing techniques, and by turning unavoidable waste to good use.

PROJECT DETAILS	
Coordinator	UNIVERSITY OF GREENWICH, United Kingdom
Other partners from	Nigeria, United Kingdom, Thailand, The Netherlands, Ghana, Portugal, Vietnam
Country partner	ACCORD ASSOCIATES LLP - Teddington; SABMILLER PLC - Woking;
Web	http://www2.gre.ac.uk
FP	7
Project number	289843
Total cost in €	3 753 138
EU Contribution in €	2 850 413
Start date	Jan. 2012
End date	Dec.2014

SECUREFISH - A global network to reduce post harvest losses in fisheries

SECUREFISH aims at improving food security by reducing the post harvest losses in the fisheries sector. Cutting these losses is vital for the fisheries sector that is suffering shortages due to climate change, overfishing, environmental pollution and poor management.

The project will reduce energy costs and carbon footprint while at the same time recover clean water and nutrients from processing waste streams.

It also hopes to develop innovative and added-value nutritious food products and nutraceuticals from fish waste which will be exploited by SME partners.

PROJECT DETAILS	
Coordinator	University of Surrey, United Kingdom
Other partners from	India, Kenya, Portugal, The Netherlands, Malaysia, Argentina, Ghana, Namibia
Country partner	University of Surrey
Web	http://www.surrey.ac.uk/
FP	7
Project number	289282
Total cost in €	3 965 592
EU Contribution in €	2 997 422
Start date	Jan.12
End date	Dec.14

CLIMATECOST - New research to put a price on climate inaction

Measuring the economic cost of climate change is a challenging task, taking in countless factors and variables. Based on global socio-economic scenarios a European Union (EU)-funded research project has analysed figures derived from different models to produce an economic answer to the issue.

The project's results have shown clearly how implementation of climate change policy action to mitigate the effects of climate change would be far more cost-effective than ignoring the problem.

PROJECT DETAILS	
Coordinator	SEI Oxford Office Limited * Stockholm Environment Institute Oxford, United Kingdom
Other partners from	United Kingdom, Germany, Czech Republic, Denmark, Greece, Ireland, Belgium, India, Spain, Austria, China, France, Italy
Country partner	METROECONOMICA LIMITED, PAUL WATKISS ASSOCIATES LTD, AEA TECHNOLOGY PLC, UNIVERSITY OF EAST ANGLIA, LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, UNIVERSITY OF SOUTHAMPTON
Web	http://www.climatecost.cc/
FP	7
Project number	212774
Total cost in €	4 605 603
EU Contribution in €	3 499 994
Start date	Jan.09
End date	Aug.11

END-O-SLUDG - Novel techniques to manage sewage sludge

The treatment of wastewater to make it safe to return to the environment is a 'must' for any society. But it is a process which creates sewage sludge.

Existing methods of processing that sludge are energy-intensive and lack efficiency. An EU-funded research project is coming up with novel solutions which are not only improving sludge management, but also generating by-products to benefit society in the form of biogas for energy and high quality-fertilisers for farmland.

PROJECT DETAILS	
Coordinator	United Utilities Water PLC, United Kingdom
Other partners from	United Kingdom, Ireland, Spain, The Netherlands, Belgium
Country partner	CRANFIELD UNIVERSITY, THE AGRICULTURE AND HORTICULTURE DEVELOPMENT BOARD (AHDB), VALSAVE ENGINEERED SOLUTIONS LIMITED, SUSTAINABLE RESOURCE SOLUTIONS LIMITED, HARPER ADAMS UNIVERSITY COLLEGE, CARRS AGRICULTURE LIMITED, DEMETER TECHNOLOGY LIMITED
Web	http://unitedutilities.co.uk/
FP	7
Project number	265269
Total cost in €	5 464 646
EU Contribution in €	3 456 872
Start date	Jan.11

GAP2 – Scientists and fishermen combine to stimulate new policy ideas for sustainable fisheries

Fishermen, researchers and policy makers from across Europe are working together in the GAP2 project to promote sustainable fisheries which will provide the food we need and improve the well-being of the marine environment.

The project, which is funded under the EU's Seventh Framework Programme (FP7) aims to encourage responsible research and develop viable policies by bringing together all relevant knowledge, especially that of the fishermen.

PROJECT DETAILS	
Coordinator	THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS, United Kingdom
Other partners from	Malta, Spain, France, United Kingdom, Denmark, Belgium, Norway, The Netherlands, Germany, Estonia, Sweden, Italy
Country partner	SOUTH DEVON AND CHANNEL SHELLFISHERMEN LTD, NSRAC LBG, WWF-UK, BIRDLIFE INTERNATIONAL, SEAWEB UK LBG, UNIVERSITY OF LEICESTER,
Web	http://www.defra.gov.uk/
FP	7
Project number	266544
Total cost in €	7 610 162
EU Contribution in €	5 913 773
Start date	Apr. 2011
End date	Apr.2016