Research Councils UK
Excellence
with impact

EU Research and Innovation: funding and collaborations



Professor Paul Boyle
Chief Executive, Economic and Social Research
Council (ESRC);

Research Councils UK International Champion



EU Research and Innovation: Funding and Collaborations

- The UK Research Office (UKRO)
- EU Framework Programme An Overview
- UK Participation in FP6 and FP7
- Strengths of UK Research Base
- Benefits of International Collaboration
- The Future of EU Funding
- Summary



UK Research Office

To promote effective UK engagement in EU research, innovation and higher education activities

'Core' subscriber* services	Open to non-subscribers		
Query service	(Majority of) training courses and information events		
Annual briefing visits (for UK subscribers)	Annual Conference		
UKRO Portal	Marie Curie Actions UK National Contact Point		
www.ukro.ac.uk	European Research Council UK National Contact Point		
Meeting room in Brussels	British Council European RTD Insight publication		

List of subscribing institutions: http://www.ukro.ac.uk/aboutukro/Pages/subscribers.aspx













UK Research Office

- UKRO's mission is to promote effective UK engagement in EU research, innovation and higher education activities by:
 - Enabling sponsors and subscribers to make informed decisions about participation in EU programmes and to realise the opportunities available to them;
 - Supporting UK input into European research policy development and implementation through informing and interfacing with the appropriate bodies; and
 - Developing and maintaining a suite of quality services that meet the evolving needs of sponsors and subscribers.





What is FP7?

FP7 is the EU funding programme for research and technological development

- 7-year programme (2007 -2013)
- New Calls for Proposals each year
- Total budget of more than €50 billion
- Structured into four main 'Specific Programmes'
- Main EU-level tool for meeting 'European Research Area' objectives
- Aims to build the 'knowledge triangle' (research, innovation, education)
- Designed to complement activities in EU Member States, as well as other EU policies
 - Lifelong Learning
 - Competitiveness and Innovation (CIP)
 - European Institute of Innovation and Technology
 - National funding
- FP7 contains a significant international dimension



FP7 Calls for Proposals

- Annual Work Programmes
- Calls for Proposals
 - www.ukro.ac.uk
 - http://ec.europa.eu/research/participants/portal

Co-operation	Capacities	Ideas - European Research Cou	ıncil	
Health	Research	Starting Independent Researcher	Proof of	
KBBE	Infrastructures	Grants	concept grants	
ICT	Research for the Benefit of SMEs	Advanced Investigator Grants	grants	
NMP	Regions of Knowledge	Synergy Grants		
Energy	Research Potential	People - Marie Curie Actions		
Environment	Science in Society	Individual Fellowships and Integration		
Transport	Activities of	Initial Training Networks		
SSH	International Co-operation	Industry Academia Partnerships and Pathways		
Space	Coherent	International Research Staff Exchange Scheme		
Security	Development of Research Policies	Euratom		



FP7 Application Process

- Electronic Submission via Participant Portal
- Each call is unique with own official guidance
 - Funding Scheme
 - Minimum eligibility requirements
 - Scope of Call
 - Evaluation Criteria

Co-operation

Capacities

Scientific and/or technological excellence

Quality and efficiency of the implementation and the Management

The potential **impact** through the

Development, dissemination and use of project results

Ideas - European Research Council

Excellence of PI and Research Project

People - Marie Curie Actions

S & T excellence

Relevance to the objectives of the People Programme

Quality and **implementation** capacity of the applicants and their potential

Quality of the proposed activity in scientific training and/or TOK



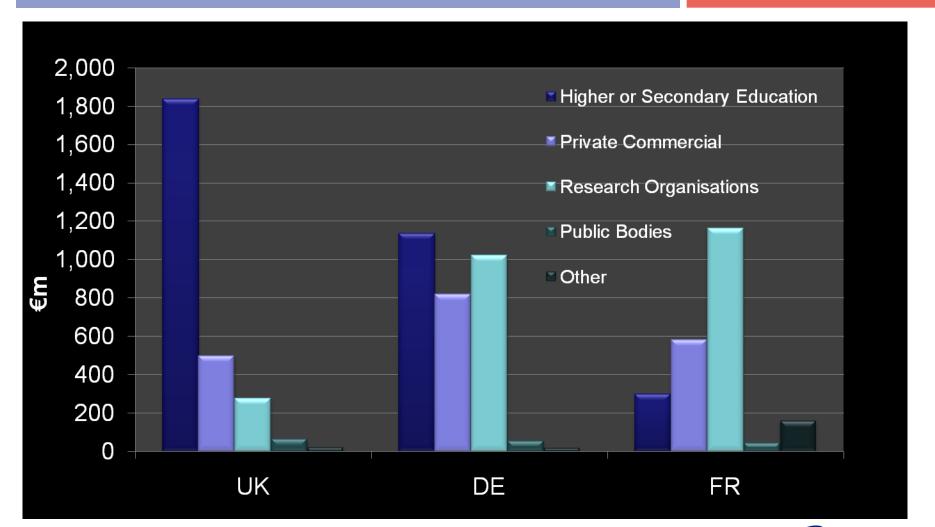
Overall Statistics for FP6 and FP7 Participation

	Numb particiț	per of pations	Requested EC financial contribution (€m)		% of total requested EC contribution	
	FP7	FP6	FP7	FP6	FP7	FP6
UK	7,290	8,791	2,699	2,369	14.5	14.2
Germany	8,001	10,430	3,052	3,022	16.4	18.1
France	5,801	7,911	2,245	2,173	12.1	13.0
All Countries	59,148	74,440	18,582	16,665		

Source: European Commission, FP7 grant agreements and participants database, Vs 7.0, released 1 April 2011 and FP6 projects and participants database, final version, released June 2008 (FP7 Data relevant to a total of 59,148 participations in 10,598 signed grant agreements, as registered centrally on 16 March 2011)



FP7 Participation by Organisation Type





UK Share - Co-operation

FP7 Co- operation theme	Value of EU contribution to UK participants*	Value of EU contribution to all countries*	UK share as %
Health	321,335,374	1,843,939,174	17.4
FAFB	80,875,871	620,646,243	13.0
ICT	408,772,009	3,622,402,752	11.3
NMP	131,125,148	1,276,002,554	10.3
Energy	68,753,753	763,538,683	9.0
Environment	85,254,312	636,269,646	13.4
Transport	126,462,514	1,053,792,168	12.0
SSH	35,359,937	210,394,770	16.8
Space	22,030,587	245,778,662	9.0
Security	38,409,299	319,999,816	12.0



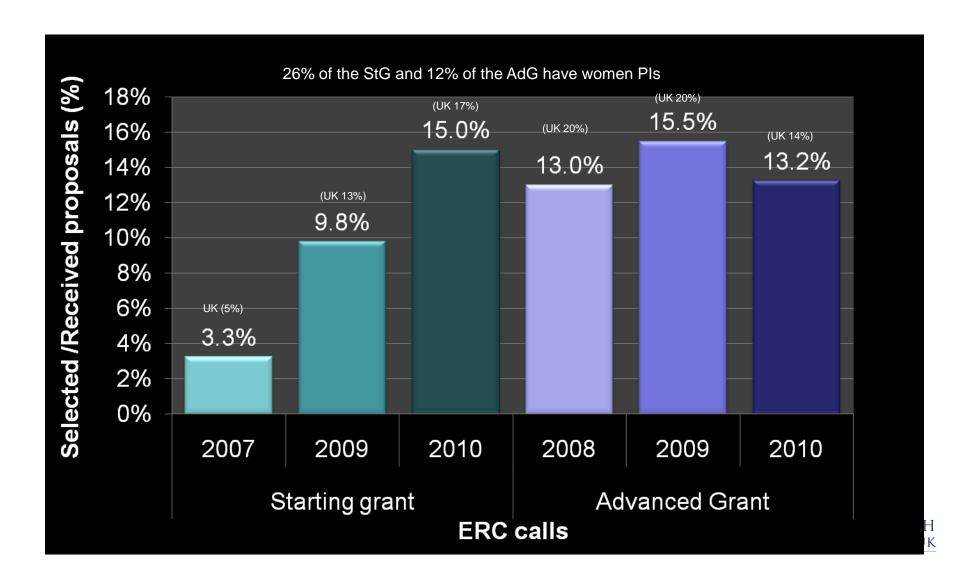
UK Share - Capacities

Capacities
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FP7 Capacities theme	Value of EU contribution to UK participants*	Value of EU contribution to all countries*	UK share as %
Research Infrastructures	164,863,576	815,806,511	19.6
Research for SMEs	60,301,058	403,870,486	14.9
Science in Society	11,468,269	82,532,371	13.9
Coherent Development of research policies	616,174	16,440,281	3.7



UK Participation in ERC



UK Participation in Marie Curie

- UK Excels at attracting Individual Fellows to the UK
 - 30% of all Intra-European Fellowships
 - 22% of all International Incoming Fellows
 - 25.5% of all International Outgoing Fellows (with UK Return Host organisation)
- Continuing strong UK success in all Marie Curie Host Actions (Initial Training Networks, Industry-Academia Partnerships, International Researcher Staff Exchange Schemes)

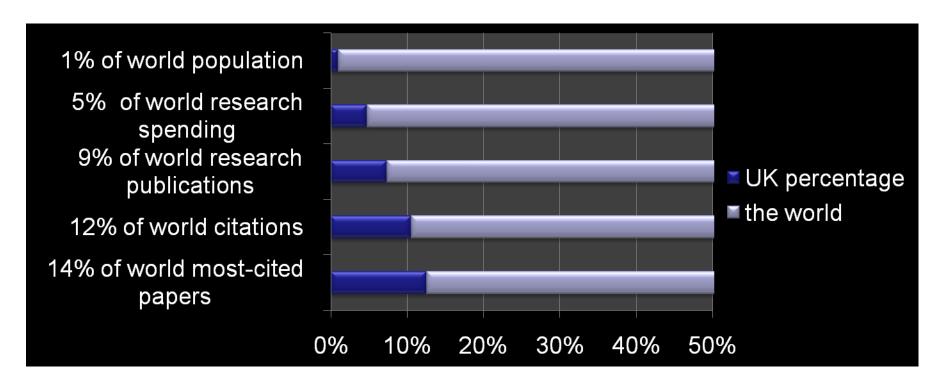


"UK research remains the most productive and efficient in the G8, continuing to rank as second only in the world to the USA on leading scientific indicators"

International Benchmarking Study of UK Research Performance 2009



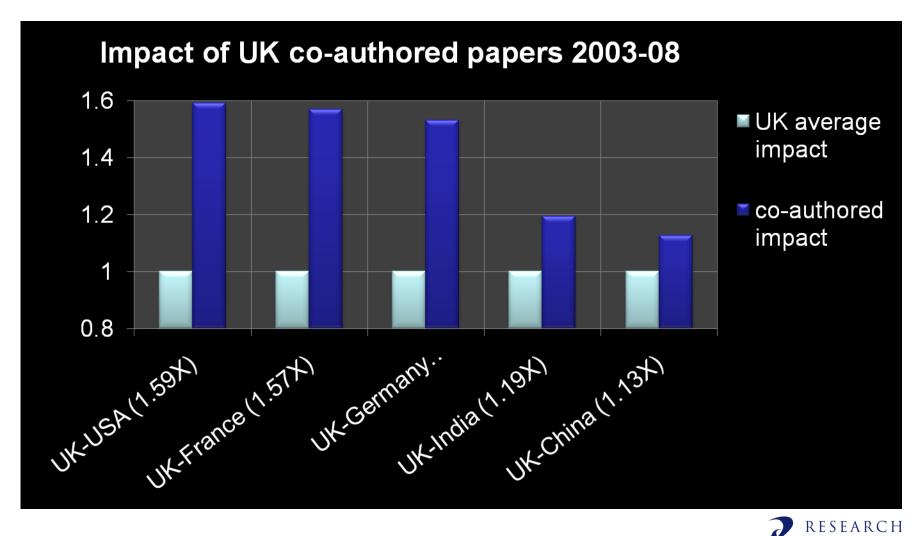
International collaboration: UK's success



- UK has broadly-based strengths:
 - citation share is world #2 in many areas
- UK is maintaining its position despite only having the 13th highest R&D spend.
- USA is slipping despite world's highest R&D spend



International collaboration: **Importance**





Horizon 2020: 2014 – 2021

- The new name of the future EU funding programme for research and innovation
- Integrating research and innovation funding mechanisms into a single framework (FP, CIP & EIT)
- Key instrument to achieve the European Research Area (ERA)
- UK has capacity to influence and drive the agenda at various levels (Govt, RCs & institutional) through lobbying and consultations, e.g.
 - BIS engaging with EC over Rules of Participation and Simplification
 - ERA Framework consultation closes 30th November RCUK sharing key messages

UK line

Excellence

Funding for the whole innovation cycle

Simplification

Funding should be based on actual costs

SSH needs to be properly embedded



Setting the Agenda

- Joint Programming in the Framework Programme
 - JPIs
 - ERA-Nets and ERA-Net+
 - Article 185s (formerly Art.169)
- Science Europe
 - A single voice for RFOs and RPOs in Europe
 - Enables a direct link between EC and Researchers
- Multilateral Research Activities
 - G8HORCS Initiatives
 - ORA in the Social Sciences



Summary of key messages

- UK remains a strong player in FP7, receiving the second largest share of funding, €2,699m, equivalent to 14.5% of the total FP7 funding
- UK is involved in more successful projects than either France or Germany, 41.3 % of all grant agreements in FP7 to date
- UK academia continues to lead the way in FP7 accounting for 60.2% of all UK participations, receiving 9.9% of all FP7 funding
- Participations by UK Private Commercial organisations is currently 23.7% of UK participations in FP7, up from 18.4% in FP6
- UK SMEs participations account for 15.9% of all UK participations and 12.6% of all UK funding



Summary (Cont'd)

- Collaboration is necessary to address key global research challenges
- International collaboration strengthens the UK research base and increases the impact of UK produced research
- Collaboration allows the UK to influence international research agendas
- UK investment leverages funding from the EU and other international partners, increasing the added value of our research

