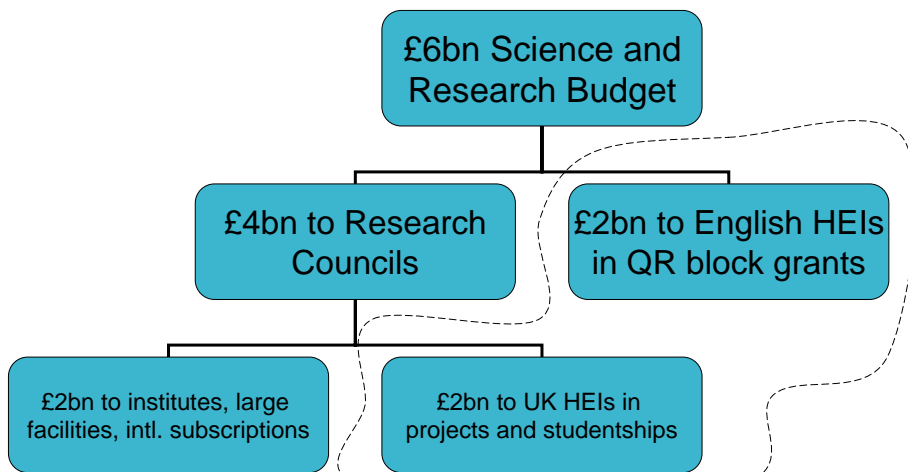


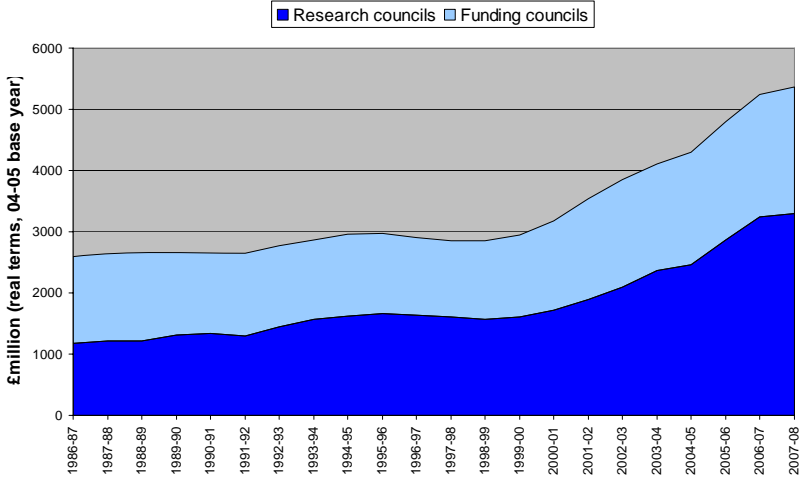
## Foundation Debate: The Scientific Century

Professor Adrian Smith  
Director General, Science and Research  
The Royal Society, June 16<sup>th</sup> 2010

## BIS Research spend (simplified)



**Research Expenditure**



**Strength of the UK Research Base**

The most productive country for research in the G8

“International Comparative Performance of the UK Research Base”,  
Evidence Ltd, 2009

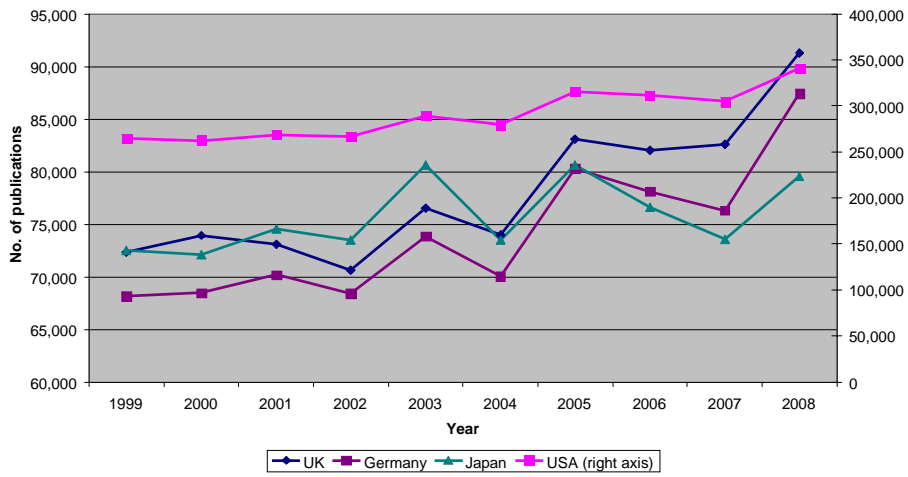
Second in the G8 for excellence

“International Comparative Performance of the UK Research Base”,  
Evidence Ltd, 2009

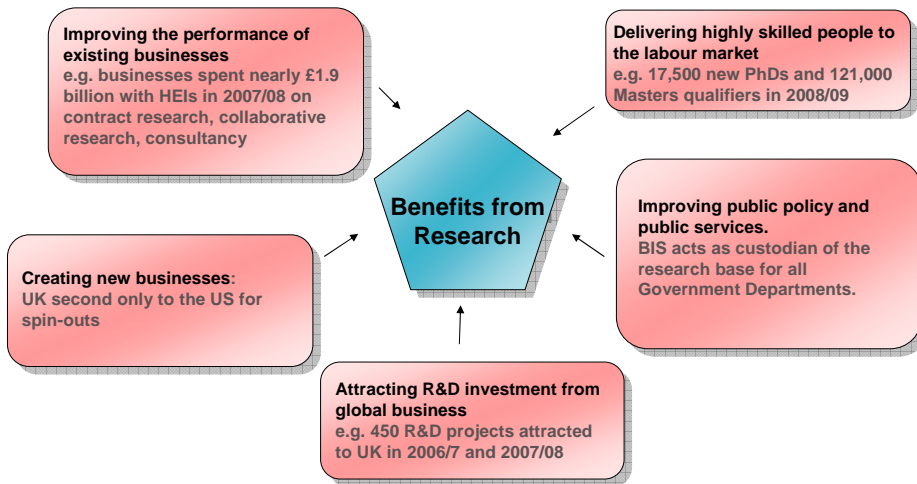
4 universities in the world’s top 10, 18 in the top 100

Times Educational Supplement Rankings, 2009

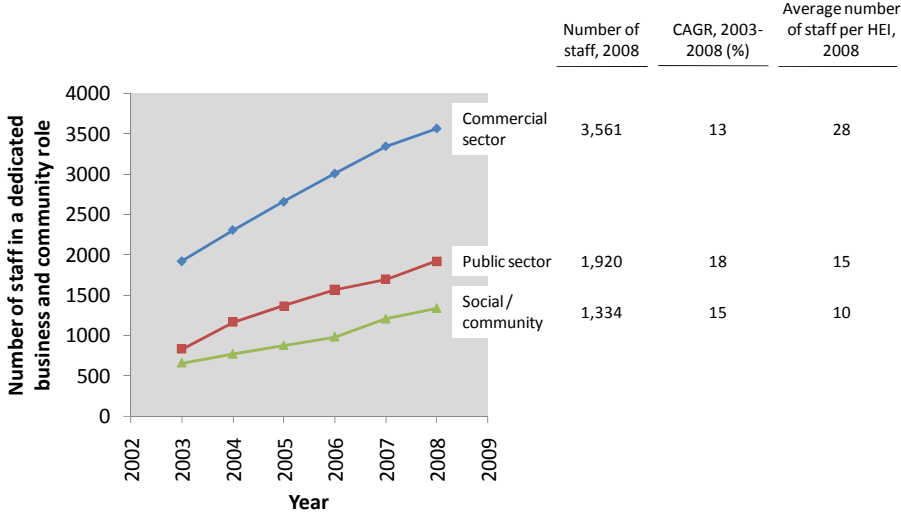
**Scientific Publication Outputs: UK, Germany, Japan and USA(right axis)**



**Science and research generates economic and other benefits for the UK**

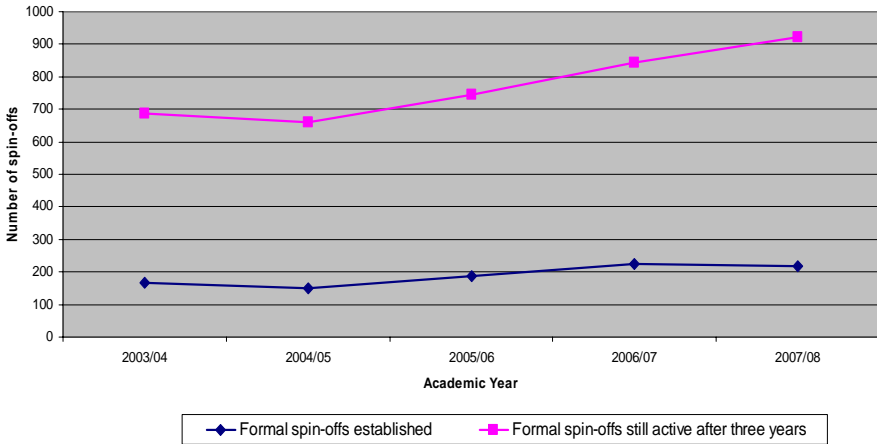


### Growth of Knowledge Exchange staff in HEIs



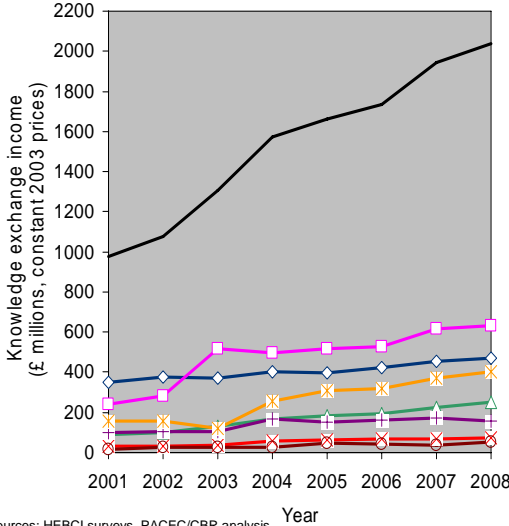
### Companies spun off from universities

Spin-off Company Formation



**Knowledge exchange income 2001-2008**

Average annual compound growth rate for  
'Total' = 10.57%



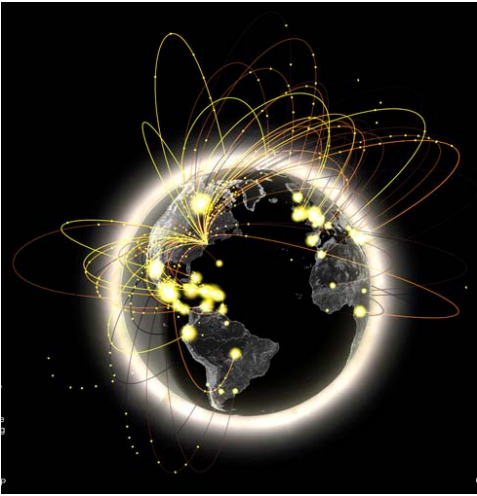
Income stream	2008 income (£m)	2008 share of total (%)	CAGR 01-08 (%)	Growth 07-08 (£million)
Total	2,039	100	11	96
Contract research	632	31	15	14
Collaborative research	470	23	4	16
Courses	404	20	15	30
Consultancy	251	12	16	29
Regeneration	158	8	6	-12
Facilities and equipment	73	4	13	6
IP revenues	51	2	20	13

Sources: HEBCI surveys, PACEC/CBR analysis

**Attracting R&D investment from global businesses**

**During 2008-09, over 200 R&D projects were attracted to the UK**

Source: UK Trade and Investment  
Annual Report 08-09



## Providing solutions to the challenges facing our world

### Interdisciplinary Programmes

- Major response to strategic challenges for the nation – and the world
- Coordinated impact greater than sum of the parts

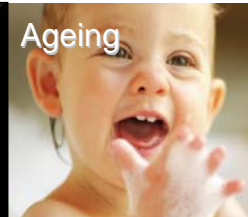
Nanoscience



Digital Economy



Energy



## Continuing challenges

**Culture:** winning support from academia and business for new ways of working together

**Careers:** providing opportunities for the new generation of researchers to move freely between universities, business and government

**Collaboration:** supporting the development of longer-term, strategic collaborations between HEIs, the research base and business

**Communication:** recognising and describing the impact of research on the economy and society