Universities and the Research & Innovation Ecosystem

A policy perspective

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Reviews

- **Sir Andrew Witty**, *Encouraging a British Invention Revolution: Review of Universities and Growth*, 2013
- **DIUS**, *Innovation Nation*, 2008
- **Sir William Wakeham**, *Financial Sustainability and Efficiency in Full Economic Costing of Research in UK Higher Education Institutions*, 2010
- **Professor Sir Ian Diamond**, *Efficiency and Effectiveness in Higher Education*, 2011
Government drivers

Economic Impact

Regional Growth

Industrial Strategy

International competitiveness

Economic Impact
Top 20 for Consultancy & Contract Research
(Number with SME’s since 2008)

1. Coventry University (36,310)
2. The University of Liverpool (29,542)
3. SRUC (10,968)
4. The Queen’s University of Belfast (3,742)
5. The University of Salford (3,695)
6. Leeds Metropolitan University (3,669)
7. The University of Central Lancashire (2,744)
8. Cardiff University (2,719)
9. The University of Lancaster (2,600)
10. The University of Northampton (2,595)
11. The University of Wolverhampton (2,232)
12. The University of Bristol (2,138)
13. University of Ulster (2,037)
14. Queen Mary, University of London (1,427)
15. The University of South Wales (1,320)
16. Cardiff Metropolitan University (1,145)
17. The University of Cambridge (1,114)
18. University of Derby (1,112)
19. Buckinghamshire New University (934)
20. The University of Newcastle (896)
Government levers
Ecosystem
Basic Research → Business Product

Universities → KT(KTPs etc) → Applied Research
Ecosystem
Research-led innovation
Strength in diversity

£86.6 million
HE IP activity 2012/13
Research-led innovation

Working well

£86.6 million HE IP activity 2012/13

Funding excellence wherever it exists

Dual funding system

Challenges

Global challenges and industrial opportunities rely on strength in diversity throughout the system

Selective funding must follow excellence

Open innovation requires open competition
Innovation through collaboration

£2.7 billion
Income from working with businesses 2012/13
Innovation through collaboration

Working well

£2.7 billion income from working with businesses 2012/13

More nuance in university-business interactions

Co-creation of knowledge

Challenges

Recognizing strengths where they exist (and fund accordingly)

Strengths across regions with anchor institutions

Inter-university: switching to collaborative mode
Pipeline
Nurturing innovative graduates and future academics
3,502 Graduate start ups
2012/13
Pipeline: Innovative graduates and future academics

Working well

3,502 Graduate start ups in 2012/13

Appetite for enterprise

Challenges

Enterprise education valued as key part of innovation ecosystem

‘Broken bridge’ in postgraduate study
What’s next?

- Role of TSB and UKTI
- Innovation funding: HEIF
- Hauser Review of Catapults
- REF Impact
Questions

• Mainstream rather than third stream – what does this mean for your role?

• Are there further barriers that Government should seek to remove?

• Are there unfunded areas / activities that Government should support – what is the evidence to demonstrate that this is the case?