Universities and the **Research & Innovation Ecosystem**

A policy perspective

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BU
Bournemouth University

UNIVERSITY OF BRADFORD
MAKING KNOWLEDGE WORK

Cardiff Metropolitan University | Prifysgol Metropolitan Caerdydd

Coventry University

GCU
Glasgow Caledonian University

the UNIVERSITY of GREENWICH

University of Hertfordshire UH

University of HUDDERSFIELD

Kingston University London

UNIVERSITY OF LINCOLN

liverpool JMU

Manchester Metropolitan University

northumbria UNIVERSITY

NOTTINGHAM TRENT UNIVERSITY

OXFORD BROOKES UNIVERSITY

ENTERPRISE WITH PLYMOUTH UNIVERSITY

University of Portsmouth

University of Salford MANCHESTER

University of South Wales
Prifysgol De Cymru

Sheffield Hallam University
SHARPENS YOUR THINKING

Teesside University

UWE BRISTOL
University of the West of England

UA
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Reviews

- **Sir Richard Lambert, *Lambert Review of Business-University Collaboration*, 2003**
- **Sir Tim Wilson, *A Review of Business – University Collaboration*, 2012**
- **Sir Andrew Witty, *Encouraging a British Invention Revolution: Review of Universities and Growth*, 2013**

- Lord Sainsbury, *The Race to the Top: A Review of Government's Science and Innovation Policies*, 2007
- 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

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Government drivers

Regional Growth

Industrial Strategy

International competitiveness

Economic Impact

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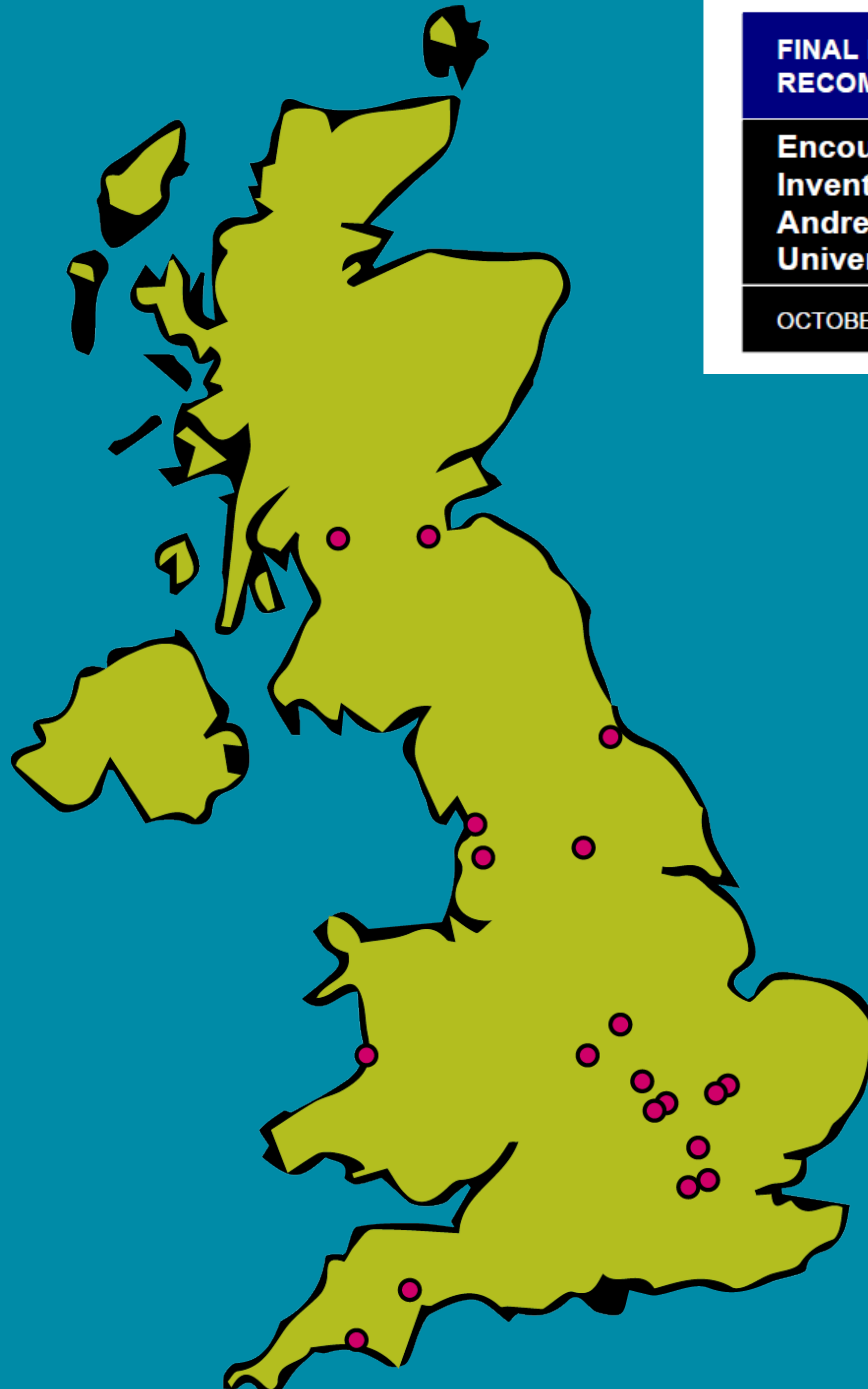
FINAL REPORT AND RECOMMENDATIONS

Encouraging a British Invention Revolution: Sir Andrew Witty's Review of Universities and Growth

OCTOBER 2013



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)

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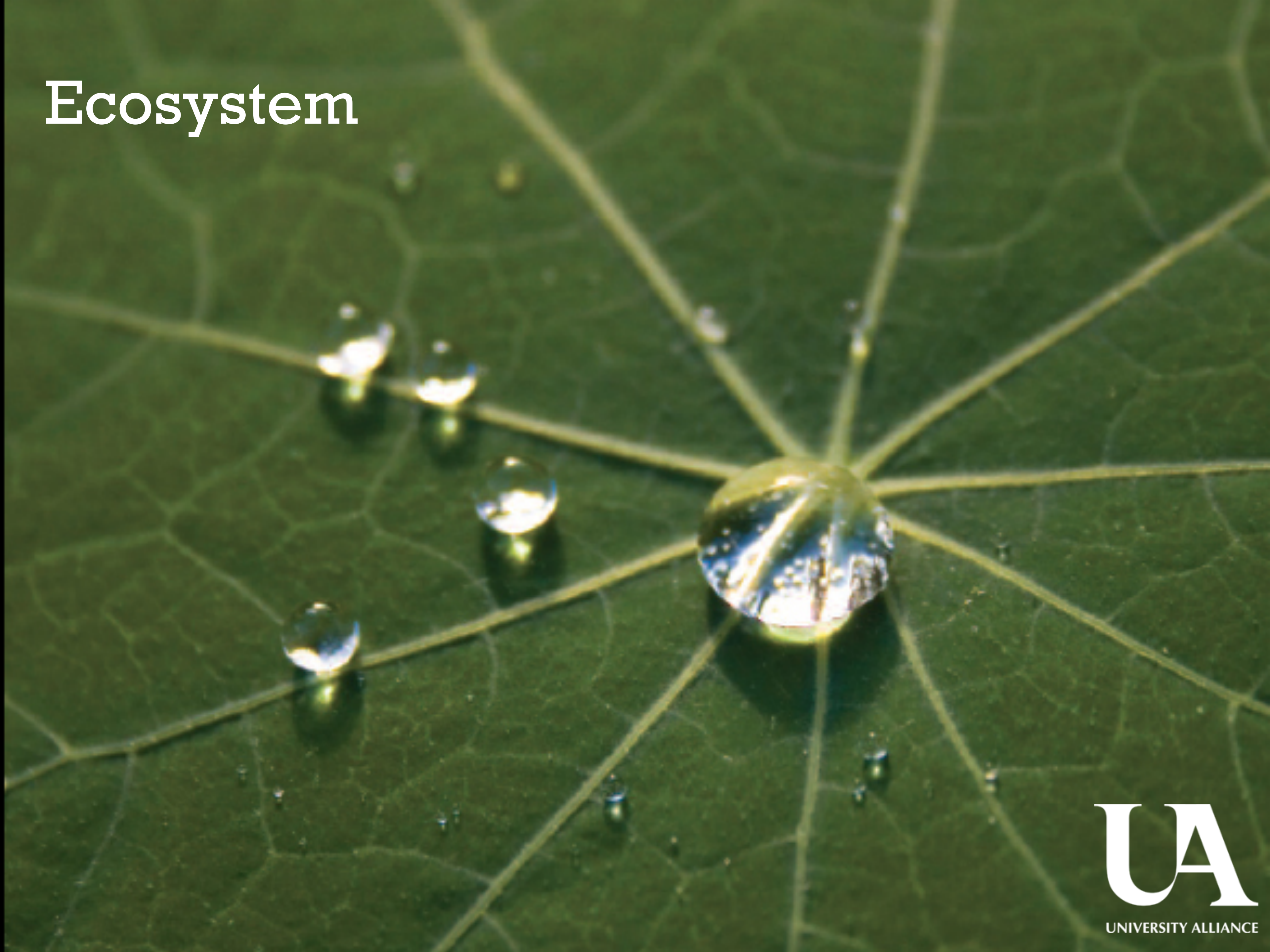
Government levers

Ecosystem



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Basic Research **Business Product**

Universities ***KT(KTPs etc)*** **Applied Research**

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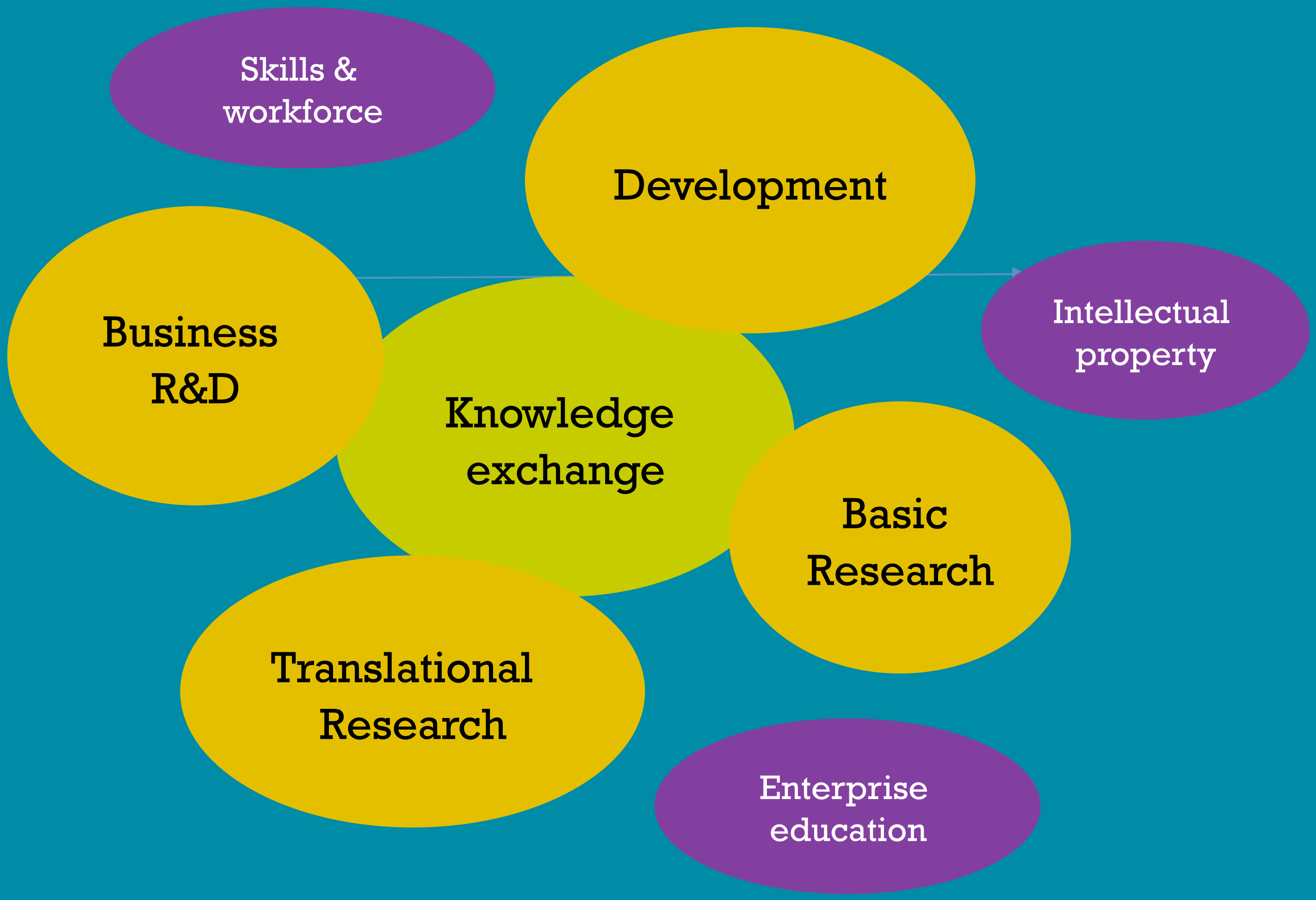

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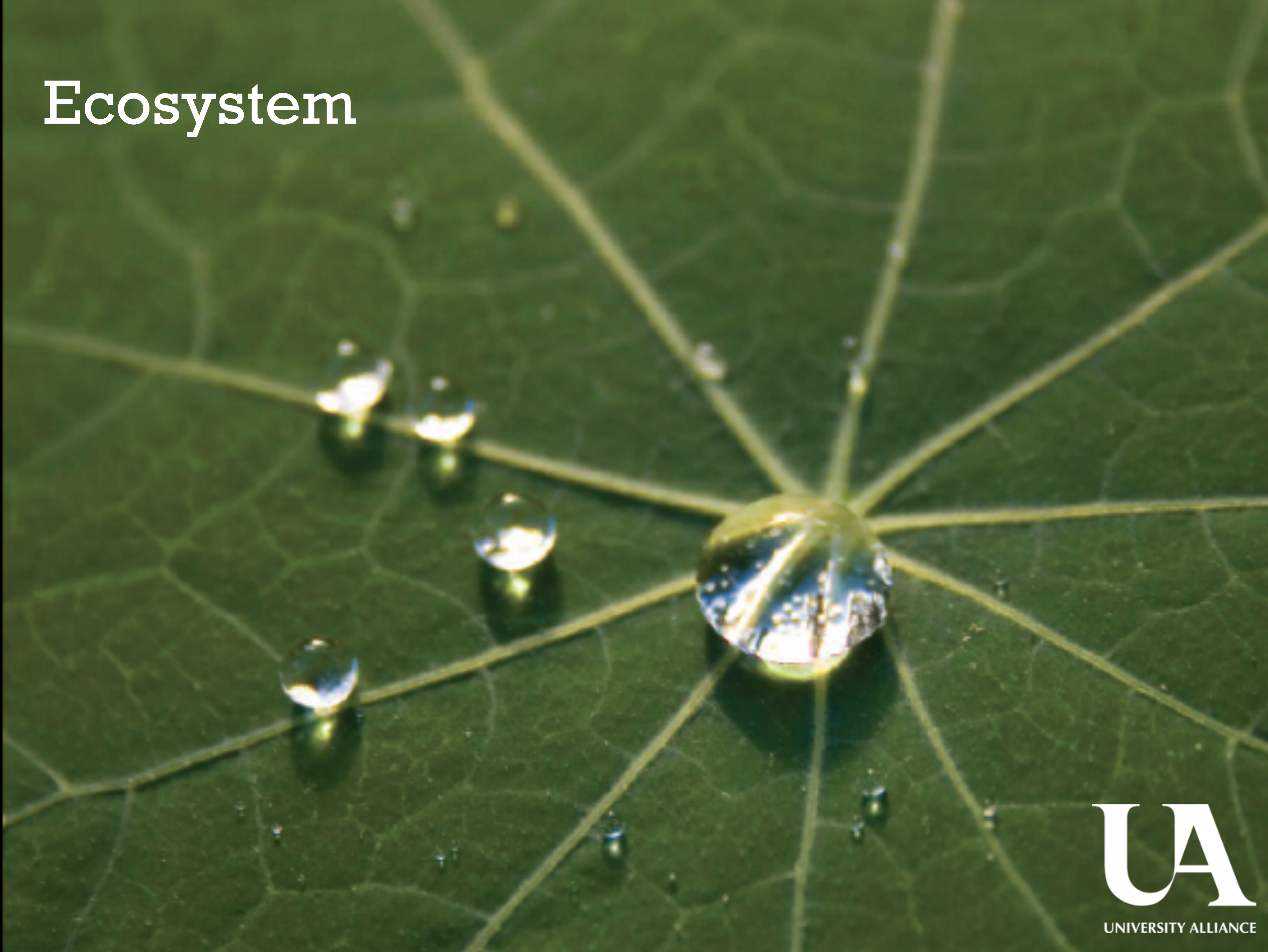
Ecosystem



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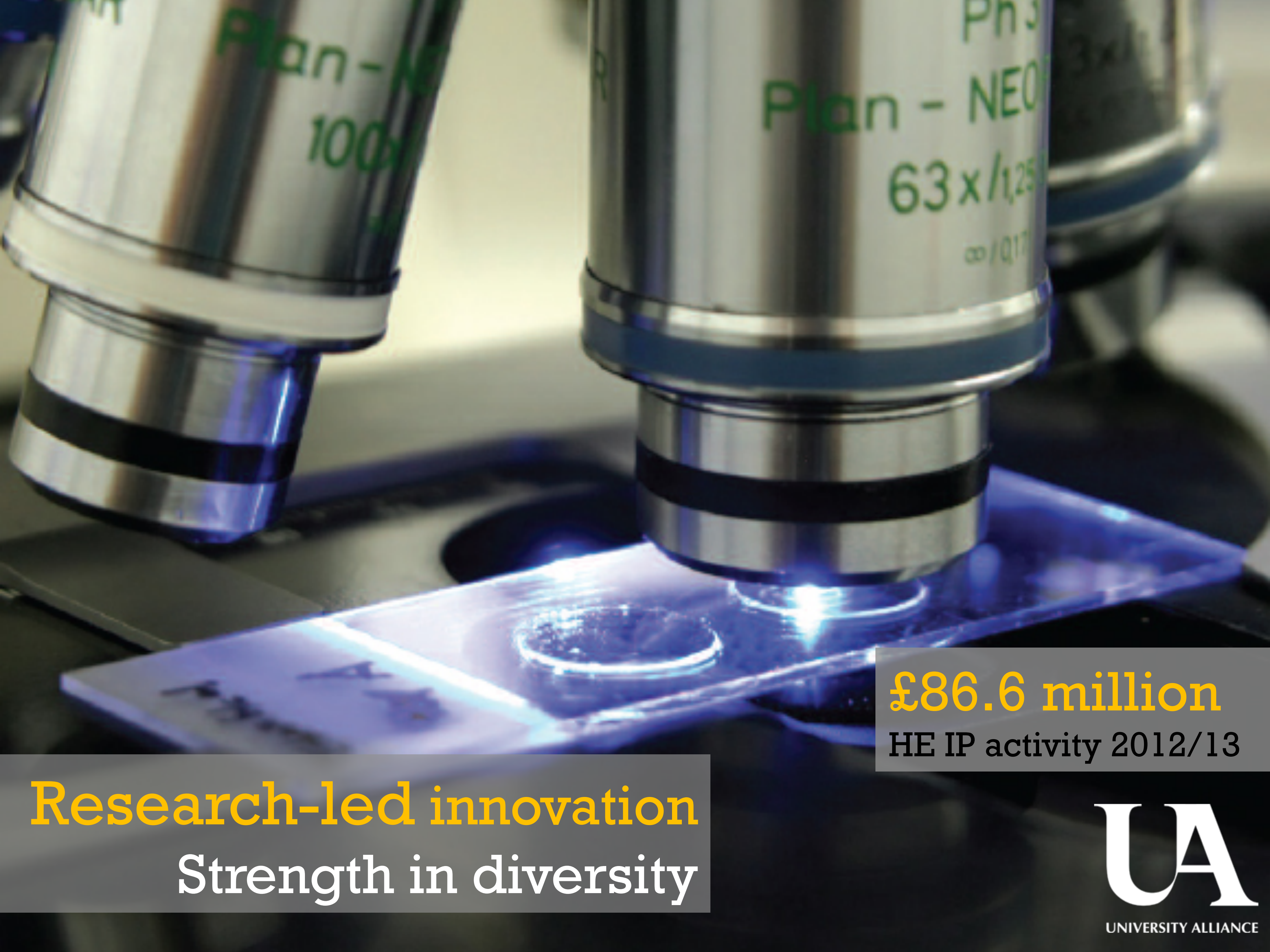
£86.6 million
HE IP activity 2012/13
Research-led innovation
Strength in diversity
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Research-led innovation

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

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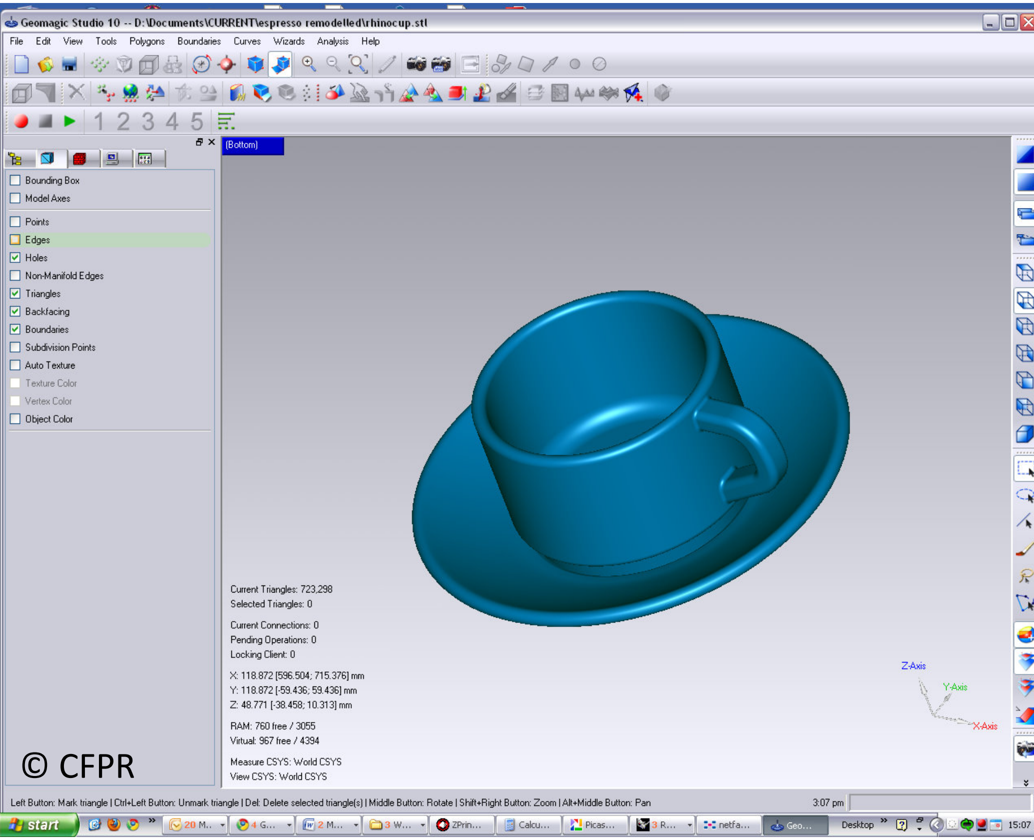

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UWE
BRISTOL
University of the
West of England


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

Working well

£2.7 billion income from working with businesses 2012/13

More nuance in university-business interactions

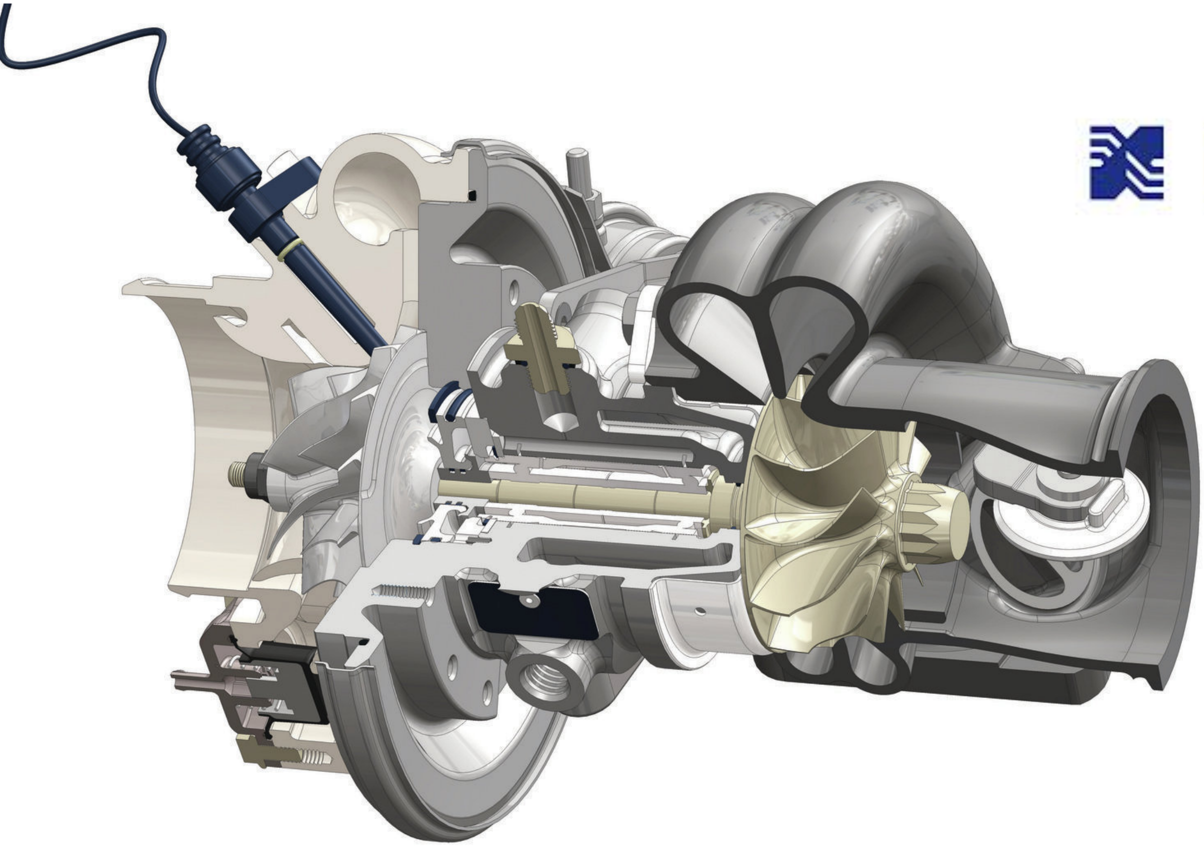
Co-creation of knowledge

Challenges

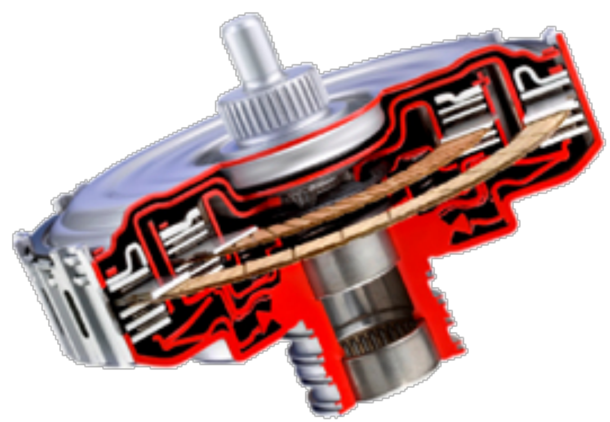
Recognizing strengths where they exist (and fund accordingly)

Strengths across regions with anchor institutions

Inter-university: switching to collaborative mode



BorgWarner



University of
HUDDERSFIELD

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Pipeline

Nurturing innovative graduates and future academics

3,502

Graduate start ups 2012/13

UA

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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

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NEOslip®

Kingston University London

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?

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