



LEADERSHIP FOR BUSINESS AND HIGHER EDUCATION

The Council for Industry & Higher Education

David Docherty
Chief Executive, CIHE

Agenda

Universities and business at the heart of growth

Collaboration is difficult but vital

Impact of research is a key focus

Supply of graduate expertise will drive innovation



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“Universities are first and foremost designed to achieve a new understanding of natural phenomena and technologies: in this task they are naturally inventive. Conversely, in modern free market economies, it is firms that have the incentives and governance structures to make innovation their central goal, and are expected to be the almost exclusive sources of innovation.”

Foray and Lisson, Handbook of the Economics of Innovation.

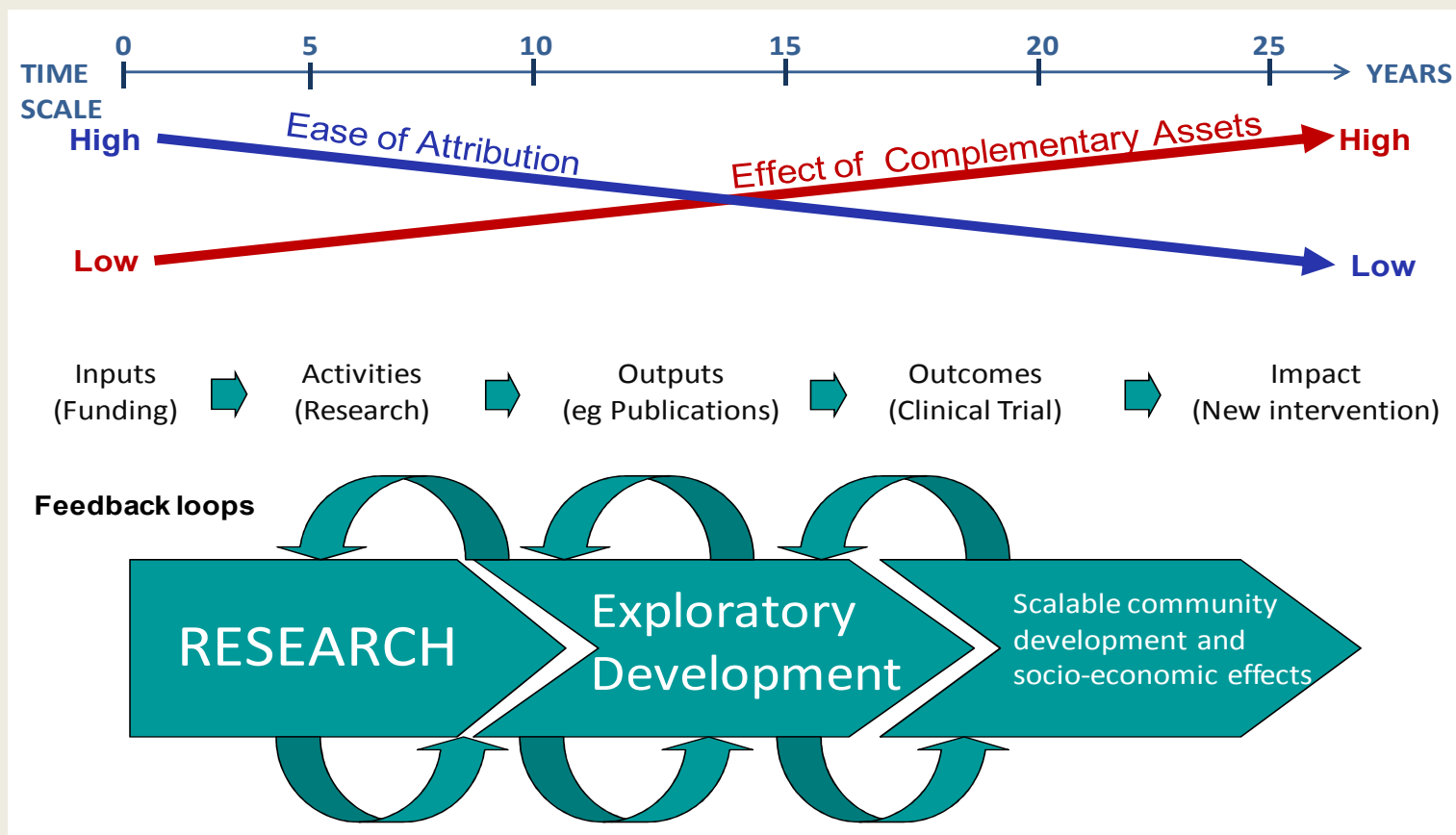
“It is the job of universities to ‘top up the hopper’ of ideas.”

Ric Parker, Director of Research, Rolls Royce

“In the future we will not be able to compete on the world stage with low labour costs or by exploiting vast reserves of mineral resources. We will have to compete with our brains and with our science.”

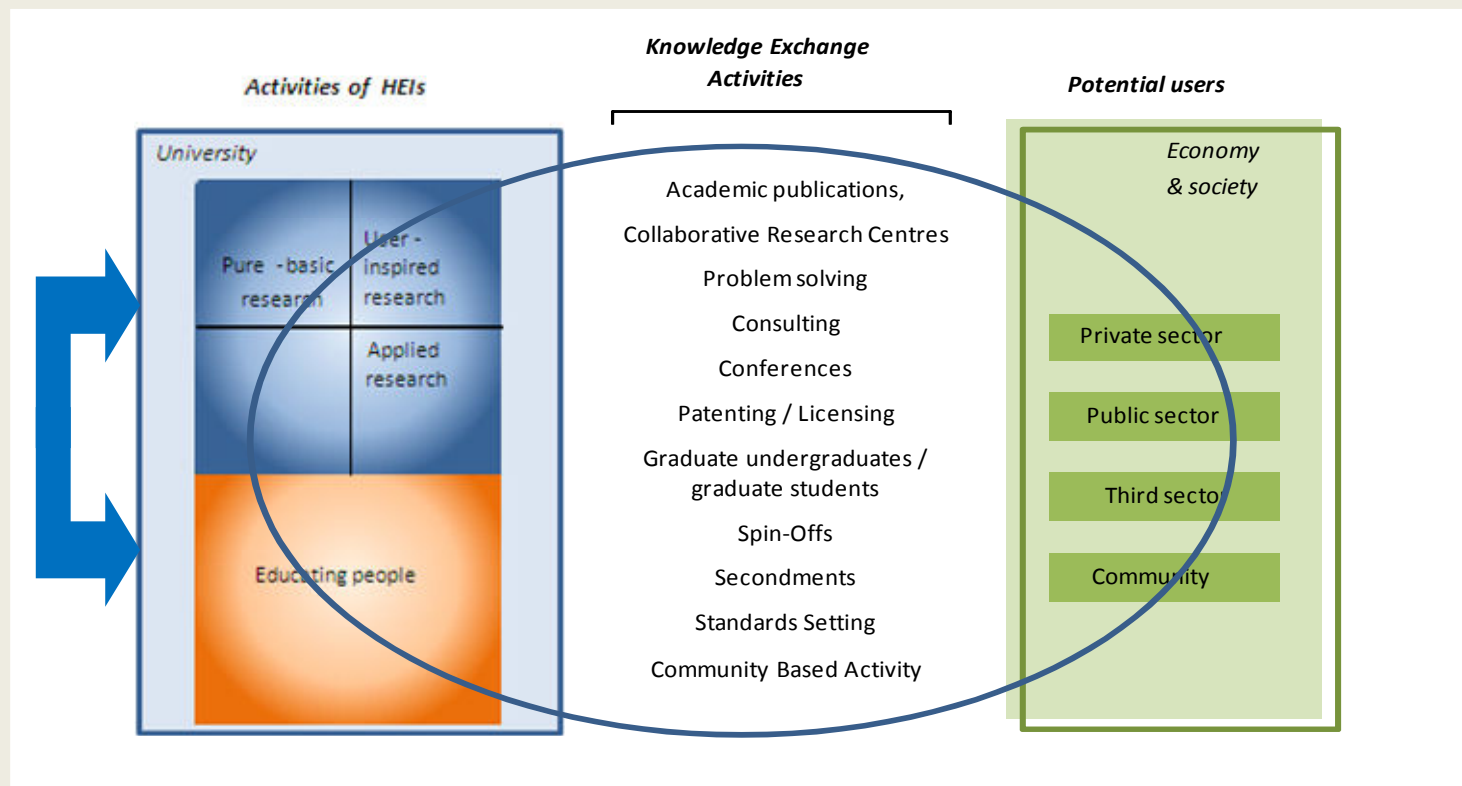
Sir Paul Nurse, Director, Francis Crick Institute

Time, Attribution, Impact



Source: Hughes (2012)

Knowledge Exchange and Pathways to Impact



Source: Adapted from Hughes, A., Ulrichsen, T. and Moore, B. (2010) 'Synergies and Trade Offs between Research, Teaching and Knowledge Exchange, A report to HECCE by PACEC and Centre for Business Research, University of Cambridge.

Mission

The CIHE is a strategic network of senior business leaders of blue-chip businesses collaborating with Vice Chancellors and universities to develop the UK's knowledge-based economy.

It does this by:

- Working on the UK's grand challenges through thought-leadership in policy and practice.
- Lobbying on behalf of the business-university partnerships at the highest levels of government.
- Co-operating to produce graduates with the right expertise, strengths and talent for a modern business environment.
- Promoting best practice collaborative research between companies and universities to increase the competitive strength of businesses in the UK.

DNA

Founded in 1987 to tackle the “crisis in higher education”.
Plus ça change!

Initial Mission: *“We should call ourselves “The Council for Industry and Higher Education” and we should begin with a statement of high policy to look forward ten or twenty years. From this would flow an agenda of issues to be studied in more detail.”*



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Membership - Industry

Energy

- BP
- Centrica
- BG Group
- National Grid

Manufacturing/Mining/Defence

- Finmeccanica
- EADS
- BAE Systems
- Boeing
- Ford
- Anglo American

Commercial & Education

- i-graduate
- Kaplan

Services/Goods

- Unilever
- Compass Group
- BT Retail



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Membership - Industry

Legal/Consultancy

- Accenture
- McKinsey and Co
- KPMG
- Spencer Stuart
- PwC
- Slaughter & May

Finance

- HSBC
- Standard Chartered
- RBS
- Prudential
- Legal and General

Media and Technology

- Channel 4
- BBC
- BSkyB
- FT Group
- WPP
- Cisco

Pharma

- AstraZeneca

Stakeholders

- British Council
- NESTA
- TSB



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Membership - Universities

University of Cambridge
Aston University
University of Sheffield
University of Hertfordshire
Cardiff Metropolitan University
University of Glasgow
University of Brighton
University of Southampton
University of Dundee
University of Plymouth
University College London
University of Manchester

University of Oxford
University of Surrey
University of Teesside
Kings College London
Goldsmiths, University of London
New College Durham
University of Coventry
University of Aberdeen
University of Bristol
University of Warwick
Loughborough University

Stakeholders

- QAA
- HEFCE
- UUK

Annual Report 2011 Video



Three major Task Forces

- Creative, Digital and Information Technology (CDIT) – *The Fuse*
- Manufacturing and Engineering – *Powering Up! and Great Expectations*
- Enhancing Value: Getting the Most out of the UK Research Base

CDIT Task Force

The Fuse



- UK government should acknowledge CDIT as a strategic priority alongside STEM
- UK government should facilitate the right environment for successful CDIT ecosystems
- UK government should review procurement policies and R&D Tax credits
- ICT curriculum in schools needs to be overhauled

CDIT Task Force

The Fuse



Igniting High Growth for Creative, Digital and
Information Technology Industries in the UK


- Funding Councils should give equal weight to CDIT programmes as to STEM programmes
- Interdisciplinary is key to success of CDIT
- Universities must work better with SME CDIT businesses
- Business must contribute to development of courses for graduates they hire
- Business- HE partnerships should be at the heart of Local Enterprise Partnerships



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CDIT Task Force

www.brightonfuse.com



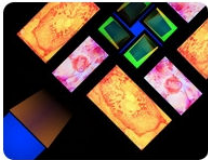
HOMEWHAT IS BRIGHTON FUSE?WHO IS INVOLVED?TAKE PARTLATEST INFORMATION

WHAT IS IT? >

Brighton Fuse starts with the belief that by connecting the arts, humanities and design with digital and ICT, then creativity and innovation can be enhanced.

It is a 2-year research and development project which will map, measure and assist Brighton's creative, digital and IT (CDIT) cluster. The project will support mutually beneficial connections between higher education, those engaged in the creation of arts and culture and Brighton's digital technology sector.

As well as delivering a number of research reports, it will also pilot new ways to support further CDIT growth locally and nationally.







THE RESEARCH

[Brighton Fuse - Universities and CDIT Clusters](#)

WHO IS INVOLVED? >

> DELIVERY PARTNERS




> ADVISORY BOARD

Brighton Fuse is supported by an advisory board of representatives from digital and media businesses, local and national government, the arts and higher education.

> PEOPLE


See details of the many individuals working on this unique project.

> FUNDING BODY



Arts & Humanities Research Council

Brighton Fuse is funded by the Arts & Humanities Research Council.



TAKE PART >

There will be many ways that you can take an active part in this research as it develops.

Linked in

Join the discussion on the [Brighton Fuse LinkedIn group](#)

BRIGHTON FUSE UPDATES


One of the best ways for us to keep you up-to-date with Brighton Fuse activities is to sign up for updates here.

LATEST INFO >

Mar 2, 2012
[It's about more than sandwich degrees: reacting to the Wilson Review](#)

Feb 23, 2012
[Brighton Fuse - Universities and CDIT Clusters](#)

Feb 20, 2012
[Analysing creativity, clusters and cities: an overview of the principal approaches from Terry Flew, University of Queensland](#)

 Brighton Fuse

[@BrightonFuse](#): Telegraph article (and video) on Brighton's Creative, Digital and IT businesses:
<http://t.co/CWrkoUOV>, i/vs w/ [@willmcinnes](#) and [@andreweades](#)
2 days ago · retweet · reply · favorite

[@philjoneswired](#): Turning cities into growth engines:
<http://t.co/xpByUGZ1> [#brightonfuse](#)
4 days ago · retweet · reply · favorite

[@philjoneswired](#): Finished day in london w/good meet [@channel4](#) re [@brightonfuse](#). Back in [#brighton](#) but knackered. Commuters - how do
4 days ago · retweet · reply · favorite



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Engineering & Manufacturing

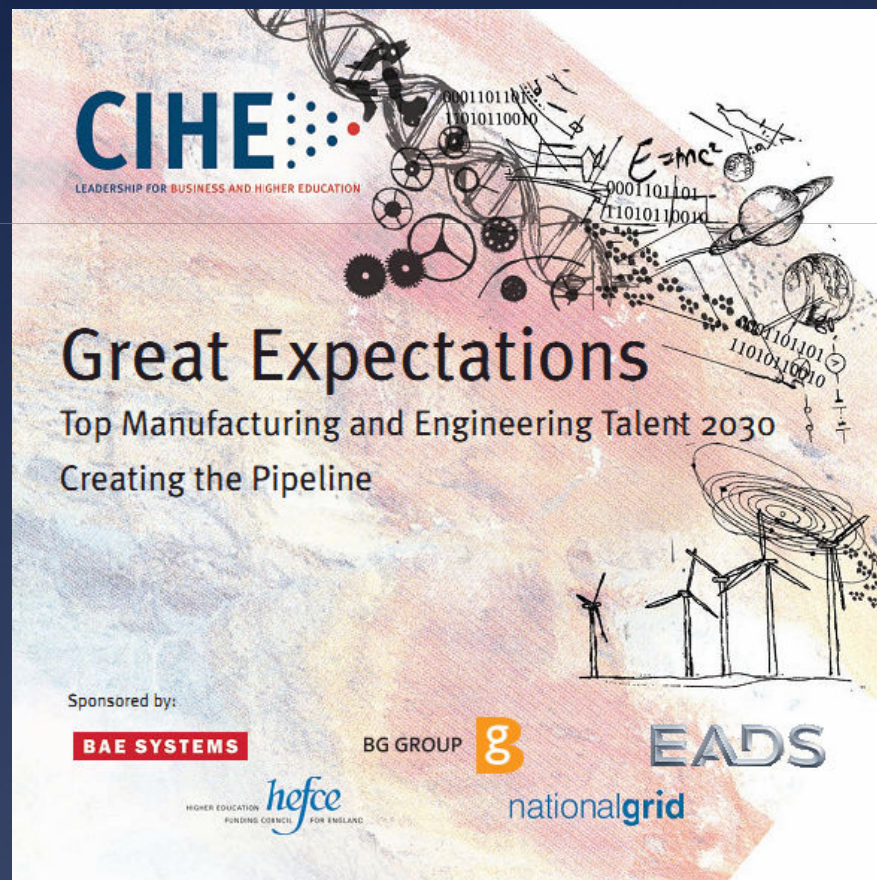


- UK government should promote co-ordination of current initiatives (LEPs, TICs, REF) to meet challenges of advanced manufacturing
- Government should explore Advanced Manufacturing Enterprise Clusters
- Universities should use Web 2.0 networking technology to give entrepreneurs & business access to research
- Global smart manufacturing businesses are vital contributors to local SME entrepreneurship and must collaborate with universities and graduate-rich SMEs



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Engineering & Manufacturing



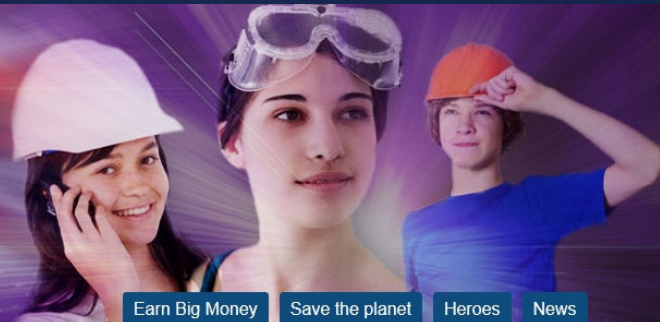
- CIHE to work with industry and universities to launch the talent-2030 campaign to champion the talent pipeline for manufacturing and engineering.
- Government to set a target for girls achieving good results in A level physics or its equivalent.
- Businesses and universities to create an advanced placement and mentoring scheme with national reach.
- CIHE to work with industry and universities to develop a national advanced manufacturing leadership programme.



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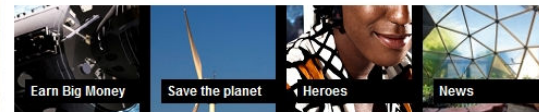
www.talent2030.org

TALENT 2030

[Earn Big Money](#)[Save the planet](#)[Heroes](#)[News](#)

ARE YOU READY TO CHANGE THE WORLD?

You don't need to be a singer to be a star - there are more ways to make your mark, save the planet and earn big bucks



TALENT 2030 HEROES

EMILY NICHOLLS
Student, EDT

As well as an unbeatable gap year experience, Emily's [Year in Industry](#) placement gave her a greater understanding of how learning at University can be applied practically in the working world.



Above all though, she has widened her opportunities significantly and gained confidence that will be beneficial to every part of her life.

"One thing that is definite is that I have widened my

TALENT 2030 NEWS

Want to help the world, win £1million AND meet the Queen?

OK this one won't be open to all of you quite yet, [...]

Posted on 2012-02-29 16:52:14 | (0) comments | [Read more](#)

Climate Week want your clothes

We'll not all of them. And not your actual clothes, although you [...]

Posted on 2012-02-24 11:55:08 | (0) comments | [Read more](#)

Make it in Great Britain Challenge

Fancy yourself as the next Great British rising star? Are you creative [...]

Posted on 2012-02-24 10:07:25 | (0) comments | [Read more](#)

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UK-INNOVATION
RESEARCH CENTRE

Enhancing Value:
getting the most out of UK research

Enhancing Value – The Challenge

The aim of the Enhancing Value Task Force is to promote effective interactions between businesses and the UK research base, to impact positively on Government policy and, in particular, its innovation and research strategy.

It will:

1. Place UK public and private sector research in an EU and global context.
2. Explore the similarities and synergies between public and private sector research.
3. Identify and prioritise a small set of key actions for change that will enhance the value of publicly-funded research and collaboration with business.

Launch Video



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The UK R&D Landscape

ENHANCING VALUE TASK FORCE

Reprinted and Revised March 2012

Alan Hughes and Andrea Mina

The UK R&D Landscape

Six Key Findings



Global Graduates into Global Leaders

Wilson Review for the UK government

Recommendation 1 paragraph 3.2

The Council for Industry and Higher Education (CIHE) should be invited to develop its structure and its infrastructure to become an independent subscription-based charity which becomes the focus for information on business–university collaboration. It will gather and maintain a comprehensive repository of good practice, undertake commissioned studies and provide a reliable information source for future substantive reviews. Such Reviews should take place every four years.



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Economic Growth and Innovation

Expertise Nations

Enhancing Value – Phase 2

Trust (in financial services)

Talent and Leadership

Talent 2030 - Digital, Financial and Professional Services

Global Leadership, Global Graduates Phase 2

Advanced Manufacturing Leadership

Graduate entrepreneurship



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www.cihe.co.uk

@theCIHE

@DavidDocherty1

www.cihe.co.uk/linkedin