

Towards A National Centre for Universities and Business

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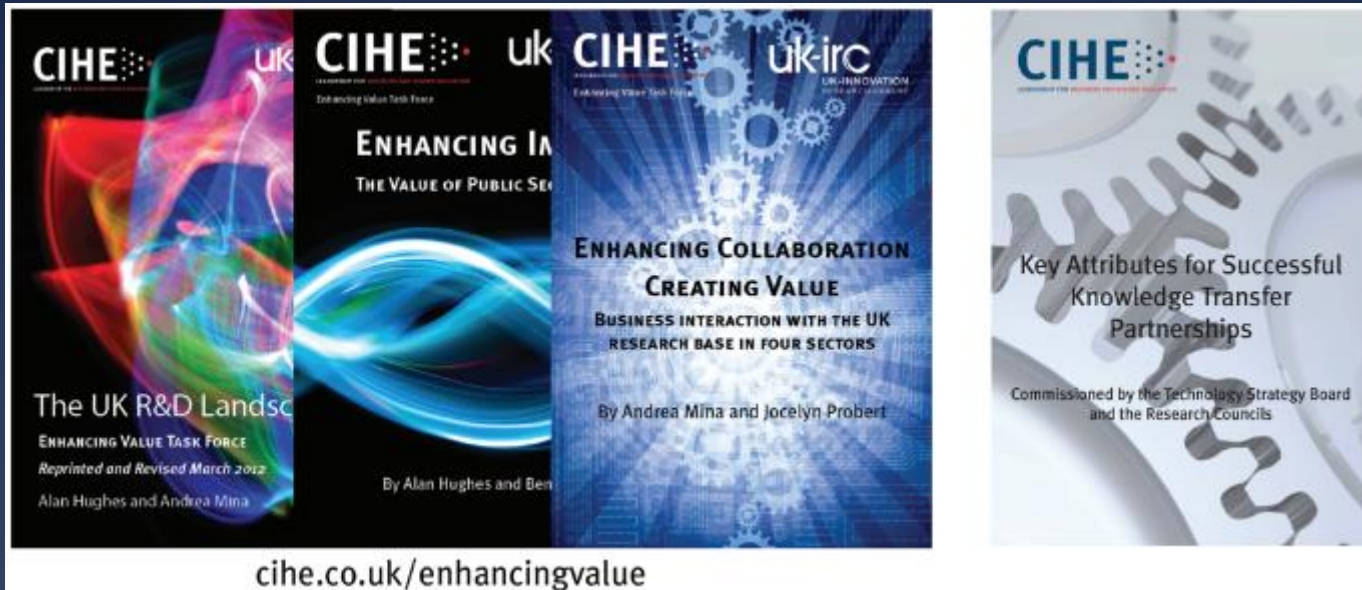
CIHE Mission

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.

CIHE Task Forces





WHAT IS IT?

Brighton Fuse aims to bring together SMEs and academia to collaborate on a range of projects and ideas with digital and ICT. These activities and innovation can be enhanced.

It is a 3-year research and development project which will help create and solve digital problems, digital and ICT. The project will support mutually beneficial connections between higher education, SMEs engaged in the research of new and existing products, digital and ICT technology needs.

As well as delivering a number of research projects, it will also offer training to support SMEs to grow locally and nationally.



THE RESEARCH

Towards a programme of research projects for the next 3 years in Brighton and Hove. V800 - Latest TV Series - 08.09 - Recording Of Series 11 & Creative City.

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, SMEs and higher education.

PEOPLE

See dozens of the team individuals working on the project online.

FUNDING BODY



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



TALK PART

One of the best ways for us to hear you is to talk with Brighton Fuse. We are here to help you to get up to speed with Brighton Fuse.

BRIGHTON FUSE OPERATES

SEARCH



Talent 2030
All day - Starting about 10am

Location
You can't find a partner to lead the world in manufacturing and engineering. You're the next generation of talent, and the key to the success of your country. Working at home, you can help us to lead the world.

What's from your feed?

Talent 2030
All day - Starting about 10am

Go to a place - invite your friends to join the page and spread the Talent 2030 programme to others.

Like - Comment - Share

Thank you for the info

The London Creative and Digital FUSION

London Fusion is a major new knowledge exchange programme to support growth in creative and digital SMEs (small and medium enterprises) between 2012 and 2014. Led by London University through its London base at The Work Foundation, the Management School and Innovation London are partnering with Queen Mary University of London, the Centre for Creative Collaborations (University of London), Council for Industry & Higher Education and the Royal College of Art to deliver the programme which is part funded by the European Regional Development Fund.

London Fusion will provide links to talent, expertise and resources and will be open to 1,000 ambitious, growth-focused SMEs across the capital. Companies will access knowledge and links to help them solve the key challenges they face arising from the convergence between creative and digital industries.

Inspiring Innovation through Knowledge Exchange

London Fusion will offer three levels of support to SMEs:

INSPIRE

Sessions that will showcase inspiration of new thinking, emerging trends and future possibilities, whilst also providing the opportunity for business owners to share ideas and make potential new collaborations.

FUSE

In-depth support through a personal knowledge exchange in particular areas that target key business digital transformation and innovation. This will include advice on growth and innovation in a specific area, as well as access to specialist resources and networks.

CREATE

Intensive support with help to LRA, visiting a selected number of companies to collaborate with local business institutions to develop their creative ideas to market.

For further information contact us at info@londonfusion.org or 020 7096 3473



brightonfuse.com

talent2030.org

London Fusion

NCUB

Wilson Review of Business-University Collaboration

- * *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 that 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.*

David Willetts' and BIS Response to Wilson:

- * *BIS will support the Council for Industry and Higher Education (CIHE) to create a National Centre for Universities and Business. **The centre will focus on strengthening the strategic partnership between universities and business with a view to driving economic growth and recovery.***

CIHE and NCUB

- * From March, the CIHE will operate as NCUB. CIHE Trustees have signed off subject to funding from other strategic partners
- * All CIHE activities – Task Forces, Talent 2030, The Fuse, Annual Lecture, private lunches, breakfasts, ministerial summit will be branded NCUB
- * CIHE CEO to become CEO of NCUB
- * CIHE Trustees to become initial Trustee board for NCUB.
- * CIHE Council to become the initial UK Leadership Council for NCUB.

NCUB Vision & Mission

* Vision

Increasing the prosperity and wellbeing of the UK through world-leading university and business collaboration.

* Mission

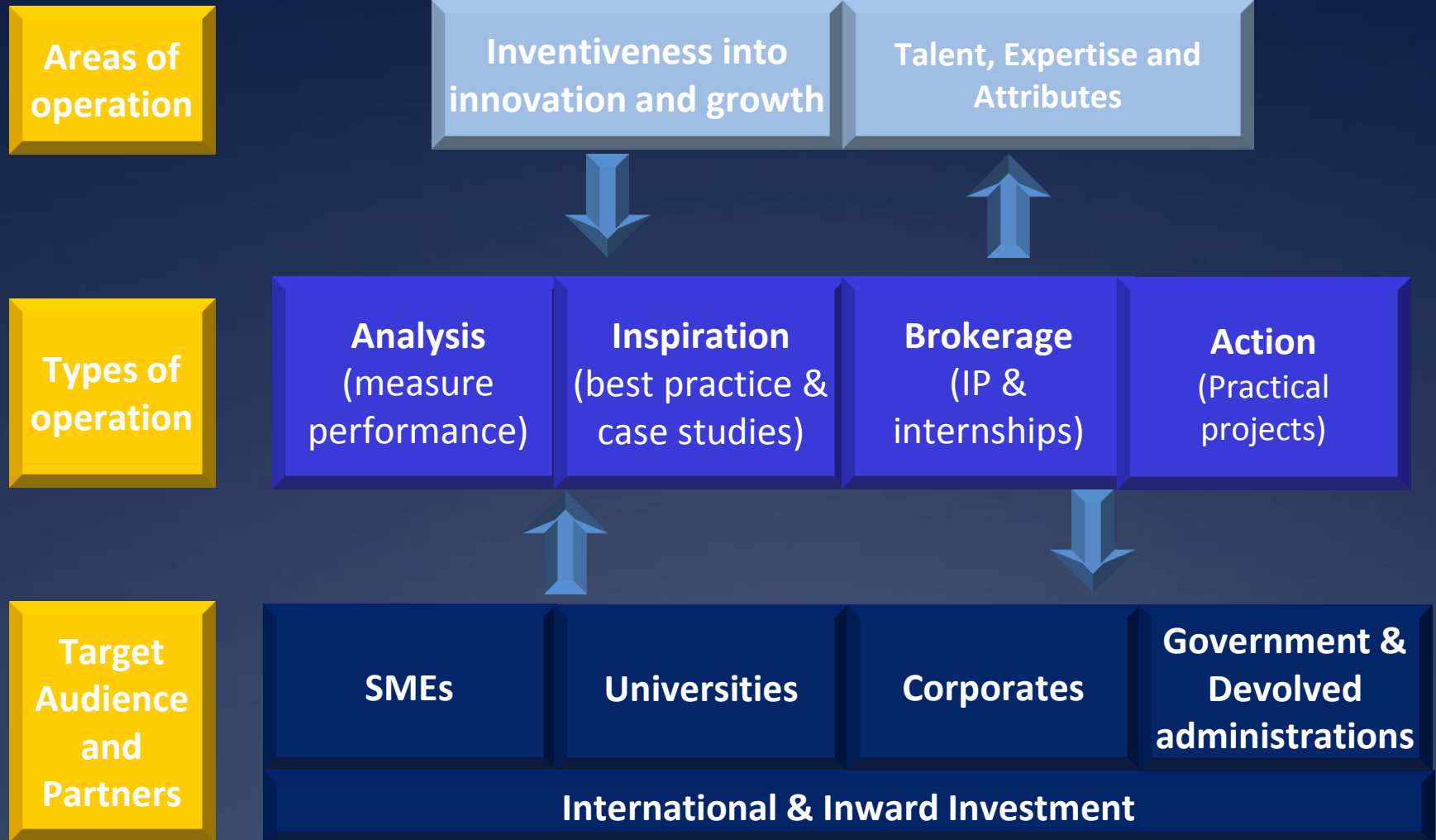
By effective collaboration nurture the right talent, innovation and expertise for the UK's future growth.

Areas of Focus

The three areas of focus for the National Centre for Universities and Business will be:

- * Brokering and facilitating world class collaboration
- * Working together to build the high-level talent base for the UK's future growth and well-being.
- * Translating inventiveness into innovation

Summary of Operations



Priority Areas for Year 1

- * Skills & Employability-
 - * What talent does business really need? – particularly in specific areas such as design and software engineering?
 - * What do we mean by employability? Is it the right word? How do we create a mutual understanding of it between business and the HE system?
 - * What does a quality placement look like and can we create a national scheme working with others?
- * Brokerage & networking -
 - * Range of things from high level ministerial meetings to broader working groups around key programmes for change.
 - * Exploring social networking solutions for working with TSB HEFCE and RCUK - potential pilot projects around university-business-Catalyst networks.
 - * Web site/mobile services
- * State of the Relationship report -
 - * Collective view of business and universities
 - * Sector specific
 - * 'Myth-busting'

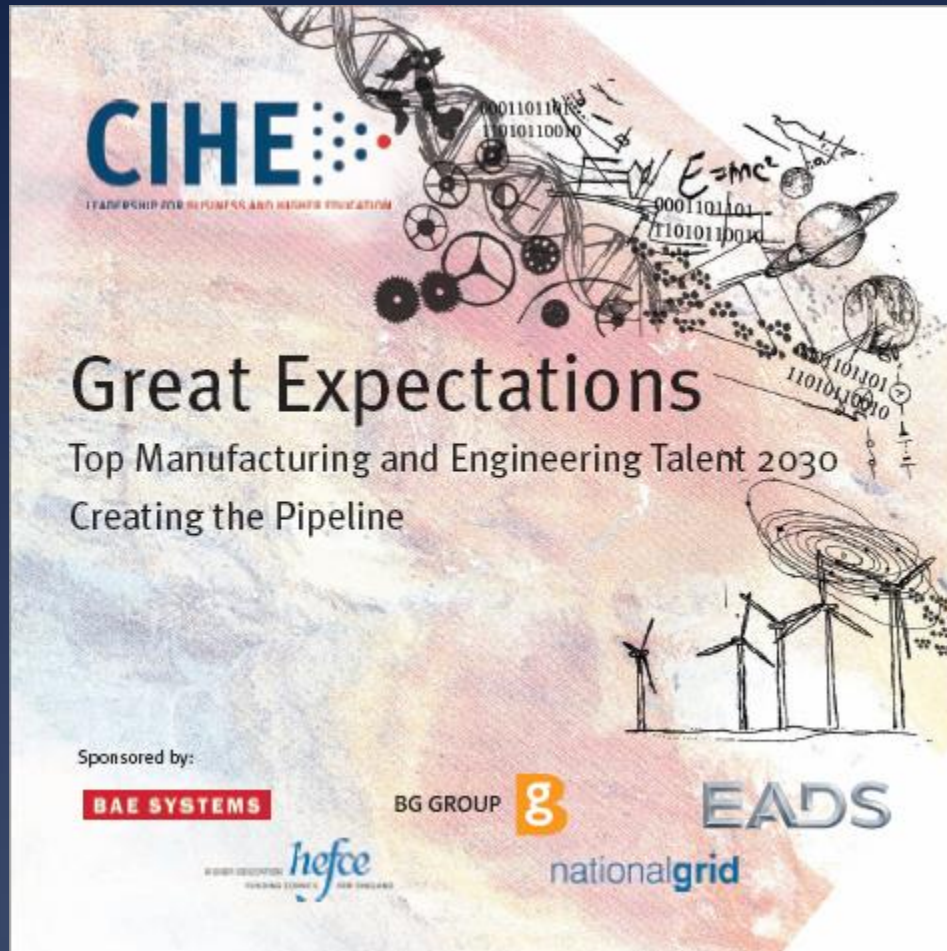
Current activity

NCUB business planning & start-up	BIS funded projects
<ol style="list-style-type: none">1. Business plan2. Funding3. Stakeholder engagement4. Governance + legal5. Branding6. Web site + content7. Recruitment	<ol style="list-style-type: none">1. Rich media case studies2. On-line stakeholder survey3. STEM Survey4. Employability skills fact finding

'Great Expectations'



- * Report from the Council for Industry & Higher Education (CIHE) published in October 2011.



Set out different scenarios to consider the future competitiveness of the UK in **engineering and manufacturing.**

Future increased participation of women seen as vital going forward.

Four different types of women emerged

** Type 1: 'Over my dead body' Nothing would attract them to manufacturing or engineering (21%);*

** Type 2: 'Fresh starters' These women could be persuaded to take up a career in manufacturing and engineering, but were not doing the right degrees (41%);*

** Type 3: 'Switchers' were persuadable and had the right degrees (26%);*

** Type 4: 'Enthusiasts' who want a career in engineering and manufacturing (12%)*

Making engineering more appealing to women

- * High salaries (of awareness of what you can earn)
- * Green jobs (sustainability, renewable energy etc.)
- * Challenging the male dominance of jobs

Views of the engineering and manufacturing sector			
	% 'Fresh Starters'	% 'Switchers'	% 'Enthusiasts'
Male-Centric	72	59	27
Innovative	35	48	59
Dull	34	26	0
Exciting	6	5	42

Interest in types of engineering and manufacturing roles (fresh starters)	
Yes I would consider:	%
Biomedical Engineer	68
Sustainable Home Designer	65
Ecologist	64
Climate Research Analyst	64
Geothermal Engineer	57
Energy Sustainable Programme Manager	57
Environmental Engineer	55
Wind Farm Construction Manager	53
Solar Operations Engineer	46
(Caution: sample sizes are small)	

What do the stats say...

- * Currently only **20.8%** of **A Levels in Physics** are taken by women (the figure is 40% in mathematics & 42% Design Technology) – JCQ 2011
- * Currently on **16.3%** of **Undergraduate engineering degrees** are taken by women (the figure is 58% in medicine & 43% in physical sciences) – HESA 2010/11

and more stats

- * **19.6% of UKs PhDs in engineering and manufacturing taken by women** (European average is 21.9%. Women take 42% in social sciences, 42% in science & computing and 52% in health & welfare)
- * **8.7% of UK professional engineers are women** (lowest in Europe). In Bulgaria it is 30%, Sweden in 28%. European average is 21.3% - EngineeringUK 2010

Talent 2030

- With an explicit focus on **raising aspiration and increasing the participation of girls and young women in engineering and manufacturing.**



- **Working with other outreach programmes, but also with university academic departments and outreach departments.**
- CERN visit with Warwick University taking Year 9 pupils from 10 schools in Coventry & Warwickshire.

★ TALENT 2030



Save the planet

Earn Big Money

What you need to know

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 money*

FIND OUT IF YOU HAVE WHAT IT TAKES



Earn Big Money



Save the planet



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EMILY NICHOLLS

Student, EDT



MEET EMILY ▾

DEBRA LAM

Senior Policy and Sustainability Consultant



MEET DEBRA ▾

JACK WOOD

Career Academy student, Derby College



MEET JACK ▾

BECCI TAYLOR

Building Services Designer



MEET BECCI ▾

YEWANDE AKINOLA

Environmental Services



HAYLEY GRYC

Senior Structural Engineer





Nominate a dynamic,
inspirational woman today!
Deadline for entries 30 July 2012



www.theiet.org/ywe

**UNIVERSITIES
WEEK**
30 APRIL - 7 MAY 2012

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BE WHAT YOU WANT TO BE



Rolls-Royce®

EADS

National schools ENGINEERING competition for girls

Simple question -

How can engineering solve the challenges of the 21st century?

Entries –

www.talent2030.org/girlsengineering

Rules –

Age categories (11-14) and (15-18)

Entries from individuals or groups of up to 6

Deadline – Friday 10 May 2013



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