

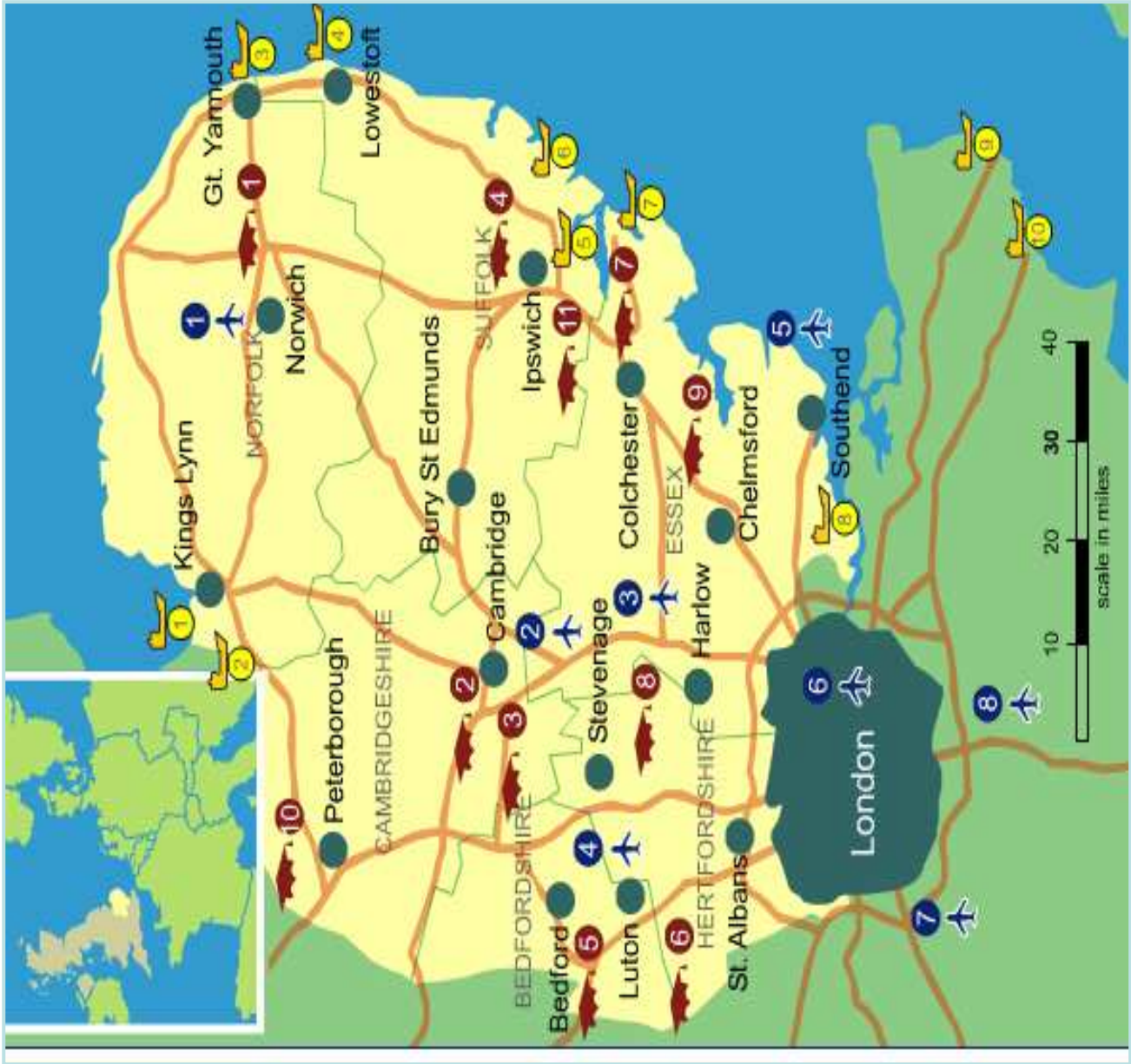
Anticipating the winds of change

David Arkell

Head of Innovation & Partnerships

Cambridgeshire County Council





Greater Cambridge....

.....a dynamic yet charming place to live!

- World class university
- Internationally renowned health sector institutions
- High quality schools
- Buoyant housing market
- Attractive environment
- Beautiful market towns
- Impressive historic and cultural heritage



Racing from Newmarket

- University has nearly 800 years of history ...
- Splitting the atom, DNA sequencing and the development of monoclonal antibodies
- Newton, Darwin, Watson and Crick, Rutherford, Hawking and Sanger.....
- 72 Nobel Laureates for their contribution to science and technology – more than any other university in the world
- ... still leading edge – Wellcome Trust Sanger Institute pioneers work on the human genome.



Photograph used by permission of Cambridge Science Park.

A growing economy

Geographic area:	25 mile radius centred on Cambridge	
Population:	635,000 (456,300 working)	
High Tech Cluster:	10% working population employed in Cluster	
Skilled labour force	29% workforce educated to first degree level	
And in the future.....		
★	70,000 jobs planned to 2021	
★	46,000 houses by 2016	
★	Olympic Games - London 2012	

Source: Cambridge Technopole Report 2006, Greater Cambridge Sub-Regional Economic Strategy 2005-08, Cambs County Council Research Group.

World class university

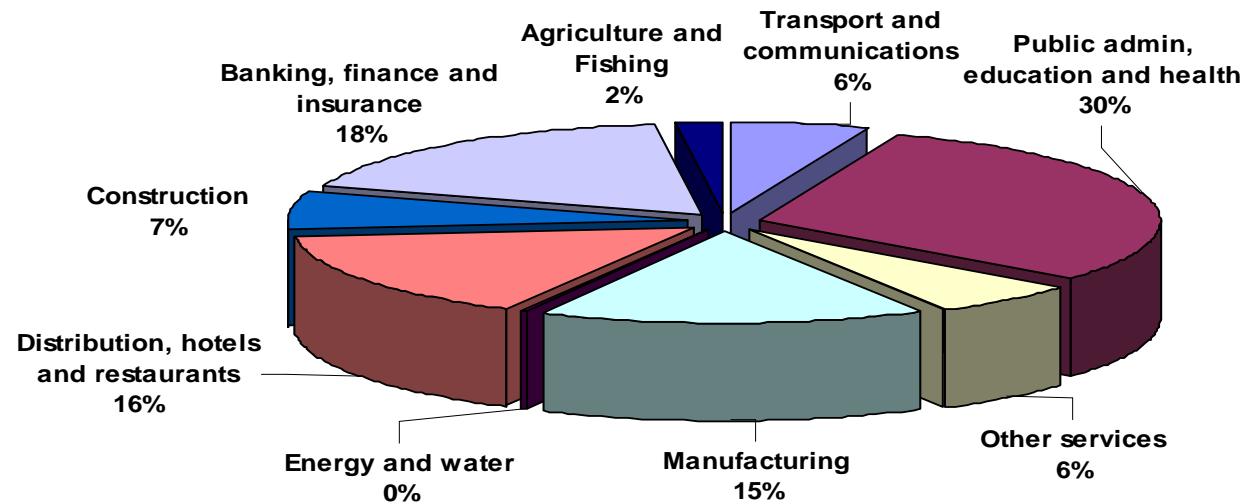
- Ranked 1st in Europe, 2nd in the World¹
- Leading research
- Global collaborations: Microsoft, Nokia, Hitachi
- More Nobel Prize winners than any other university²
- Facilitates student entrepreneurship via:
 - Centre for Entrepreneurial Learning
 - Cambridge Enterprise Ltd
 - Cambridge-MIT Institute
 - CU Entrepreneurs competition

1 : Shanghai Jiao Tong University China International League Table, <http://ed.sjtu.edu.cn/ranking.htm>

2 : University of Cambridge website: <http://www.cam.ac.uk/cambuniv/nobelprize.html>

Employment by Industry in the GCP area, 2005

30% employment is in the knowledge-based business, including research.



Investor environment

- Early successes attracted funding providers
- The cluster is mature enough for some of its successful entrepreneurs to become Business Angels
- Active Angel groups

Less than 1% of the UK population resides in the Greater Cambridge area...yet the same area attracts 6.1% total UK venture capital funding

Science and innovation parks



Cambridge Science Park (Napp Pharmaceuticals)
Photograph used by permission
of Cambridge Science Park

- Babraham Bio-Incubator
- Cambridge Research Park
- Cambridge Science Park

- Granta Park
- Melbourn Science Park
- St John's Innovation Centre



St John's Innovation Centre

Kodak European Research, Toshiba Research Europe, Epson (UK) Ltd, Pfizer, Napp Pharmaceuticals, Genzyme Therapeutics Ltd, Astra Zeneca, GlaxoSmithKline and Takeda...

Networks

Greater Cambridge is home to both generic and sector-specific networks enabling best practice and business connections to thrive.



Cambridge Network

The network for the high tech cluster, with special-interest groups on China, India, USA, wireless technologies, etc.

Web: www.cambridgenetwork.co.uk



ERBI (Eastern Region Bio-tech Initiative)

The network for the largest biotech cluster outside the USA.

Web: www.erbi.co.uk

There are many others.....

Anticipating the winds of change ...Lisbon & Gothenburg

David Arkell

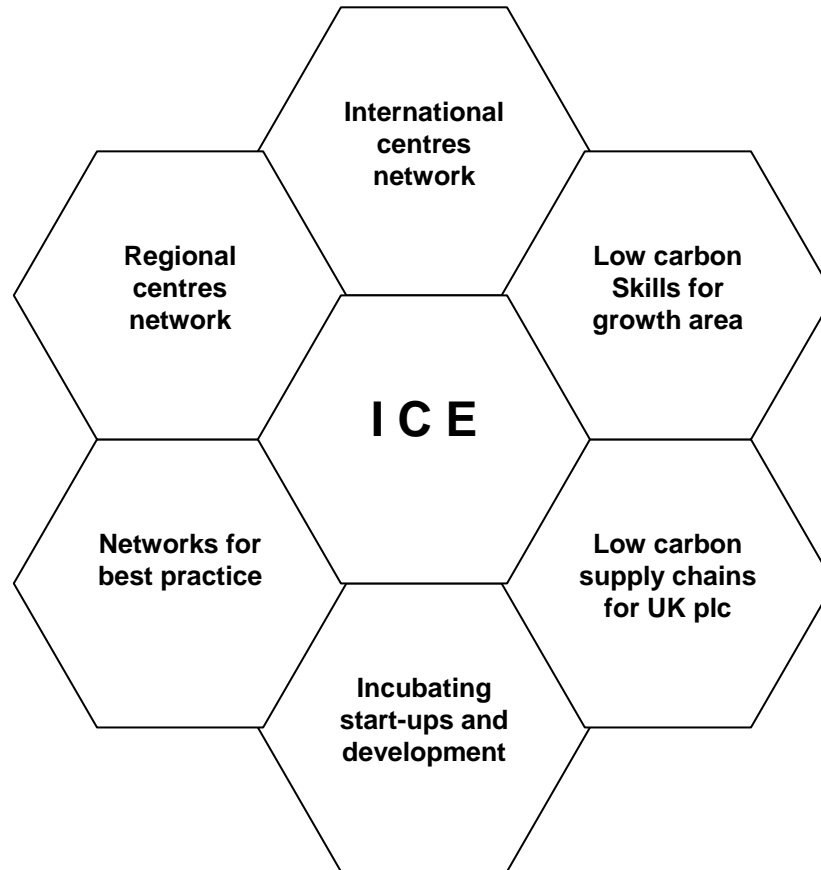
Head of Innovation & Partnerships

Cambridgeshire County Council



ICE - International Climate ExChange

To accelerate the delivery of a low carbon East of England economy;
a region “in credit” towards *one planet living*



So we have taken the opportunity:

to network SmartLIFE transnational centres of business, training and outreach in sustainable built environment and product/services development



smart LIFE

So we have taken the opportunity:

to supply transnational SmartLIFE training, qualifications, education and demonstration: major contribution of new /up-skilled construction workers



- 1400 already trained
1600 by end summer 200
(1/5 of region's deficit)
- NVQ in MMC

ICE

International Climate ExChange

DELIVERING THE LISBON & GOTHENBURG AGENDA:
additionality for the regions

*transnational innovation & partnership for sustainable built environment
& low carbon growth*

business incubation and development: SMEs connecting and harnessing technologies

platforms for regional manufacturing bases and low carbon co-operatives

growth area local supply chains for sustainable communities and development

entrepreneurs and development / trade opportunities

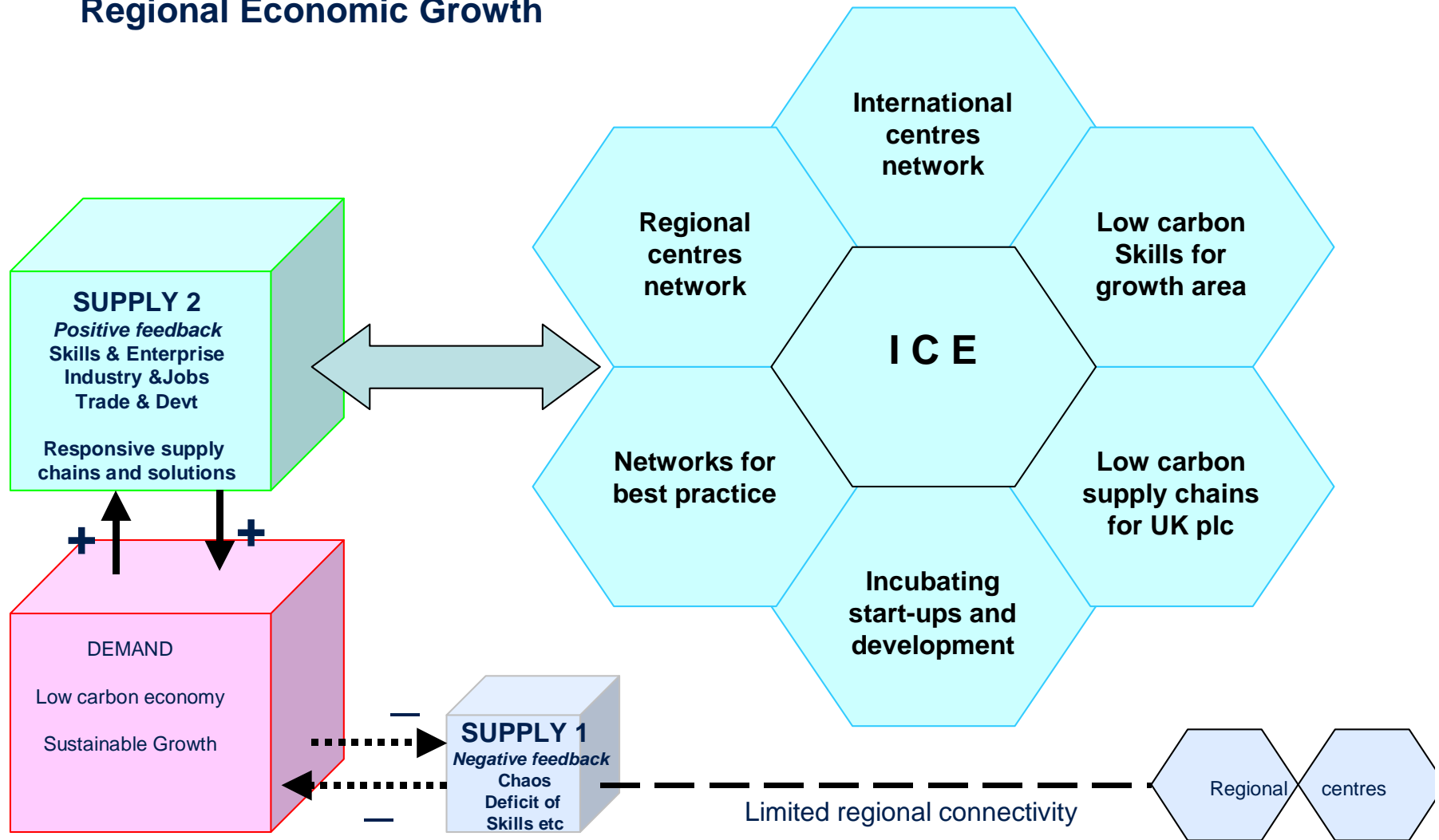
*transnational innovation & partnership for sustainable built environment
& low carbon growth*

local authority and agencies' leadership through joined-up agenda, enabled by public enterprise, funding, facilitation, policy, planning, and trade links

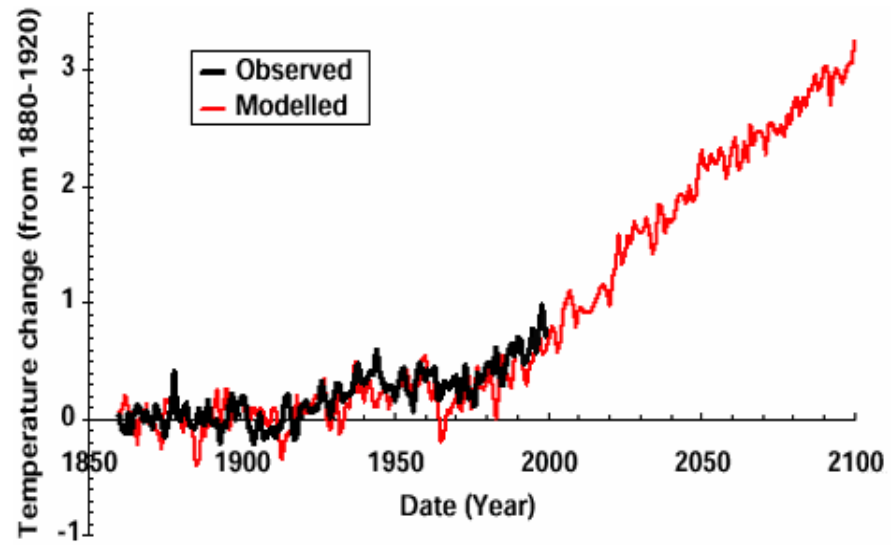
training & education linking schools, FE and HE in meaningful routes for extant and anticipated business and product solutions: sparking cross-discourse ideas

vocational training and qualifications, technical and business management skills, and jobs (business and employer led)

Catalytic International Climate ExChange for Regional Economic Growth



ICE



Global temperature change

