



KTN

the
**Knowledge Transfer
Network**



Chris Bagley

Head of Energy

20 May 2015

Low Carbon Power & Transport

Introducing The Knowledge Transfer Network

What we do

- KTN is the UK's innovation network. It brings together businesses, entrepreneurs, academics and funders to develop new products, processes and services
- We help business to grow the economy and improve people's lives by capturing maximum value from innovative ideas, scientific research and creativity

The Knowledge Transfer Network

Connecting people to accelerate innovation



Strategic

Connecting people who wouldn't usually meet to solve innovation challenges.



Interdisciplinary

Bringing together businesses and researchers from different sectors.



Entrepreneurial

Linking people with new ideas and technologies to partners and customers.



Commercial

Introducing innovators to public and private funders and investors.

Addressing societal challenges and growing new technologies

Chris Warkup
CEO



We are eliminating silos to make it easier to assemble multi-disciplinary teams so that we can do more, and do it well.

David Lockwood
Chair



The “half-life of knowledge” is shortening, so we must connect business with research faster than ever before.

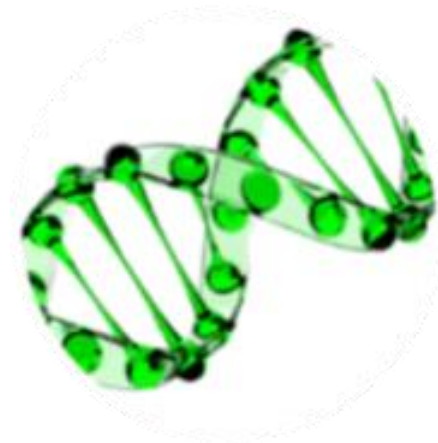
- ▣ **16 Industry communities**
Core thematic networks covering key application areas and underpinning technologies
- ▣ **20 Cross-sector groups**
Interdisciplinary programmes building communities around priority challenges
- ▣ **60,000+ Members**
An engaged online community of innovators served by a single platform
- ▣ **15,000+ Delegates per year**
Hundreds of events bringing people together ‘to make magic happen’

Clustered communities, groups and business programmes

Focus is on bringing together groups that would not normally meet



Materials
Chemistry
Environmental
Services



Agri-Food
Biosciences
Health



ICT
Electronics, Sensors
& Photonics
Defence & Security
Space



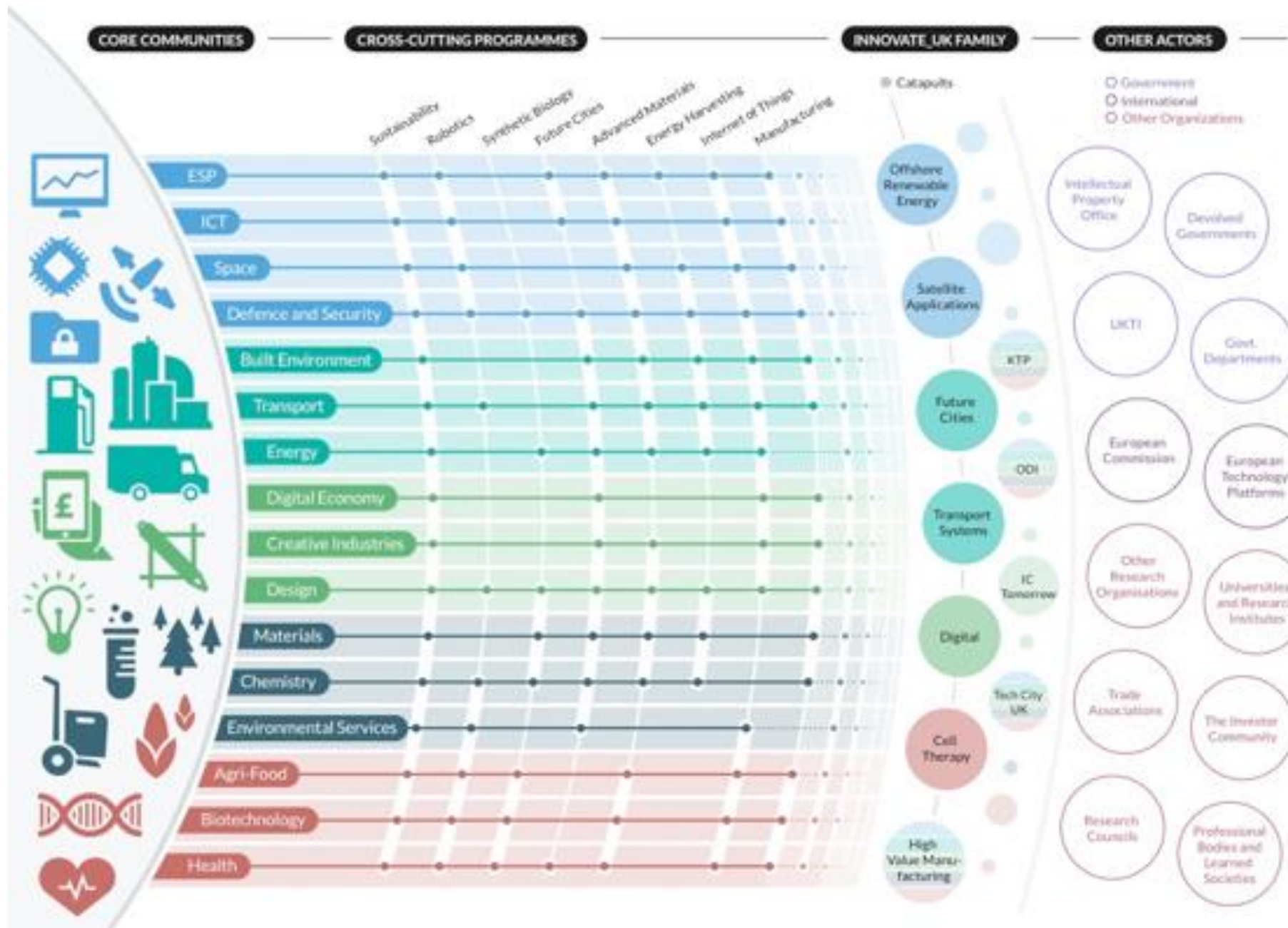
Built Environment
Transport
Energy



Creative Industries
Digital Economy
Design

← Sustainability, H2020, International, Access to Finance, Design →

Clustered communities, groups and business programmes



← Business programmes

- Sustainability
- Design
- Horizon 2020
- International
- Access to funding & finance

Low Carbon Funding Landscape Navigator

Register Now 

Find Funding Providers

This search enables you to find detailed information on existing private and public funding organisations.

Go 

Register an Opportunity

If you know about a new funding opportunity which has not yet been added, please click here to submit details for inclusion.

Go 

Register your Organisation


To enjoy the full benefits of the Low Carbon Funding Landscape Navigator register your organisation here.

Go 

Search for Partners

Partner Keywords

Partner Technology

All Low Carbon Technologies 


Search 

or

Search for Funding

Funding Keywords

Funding Technology

All Low Carbon Technologies 

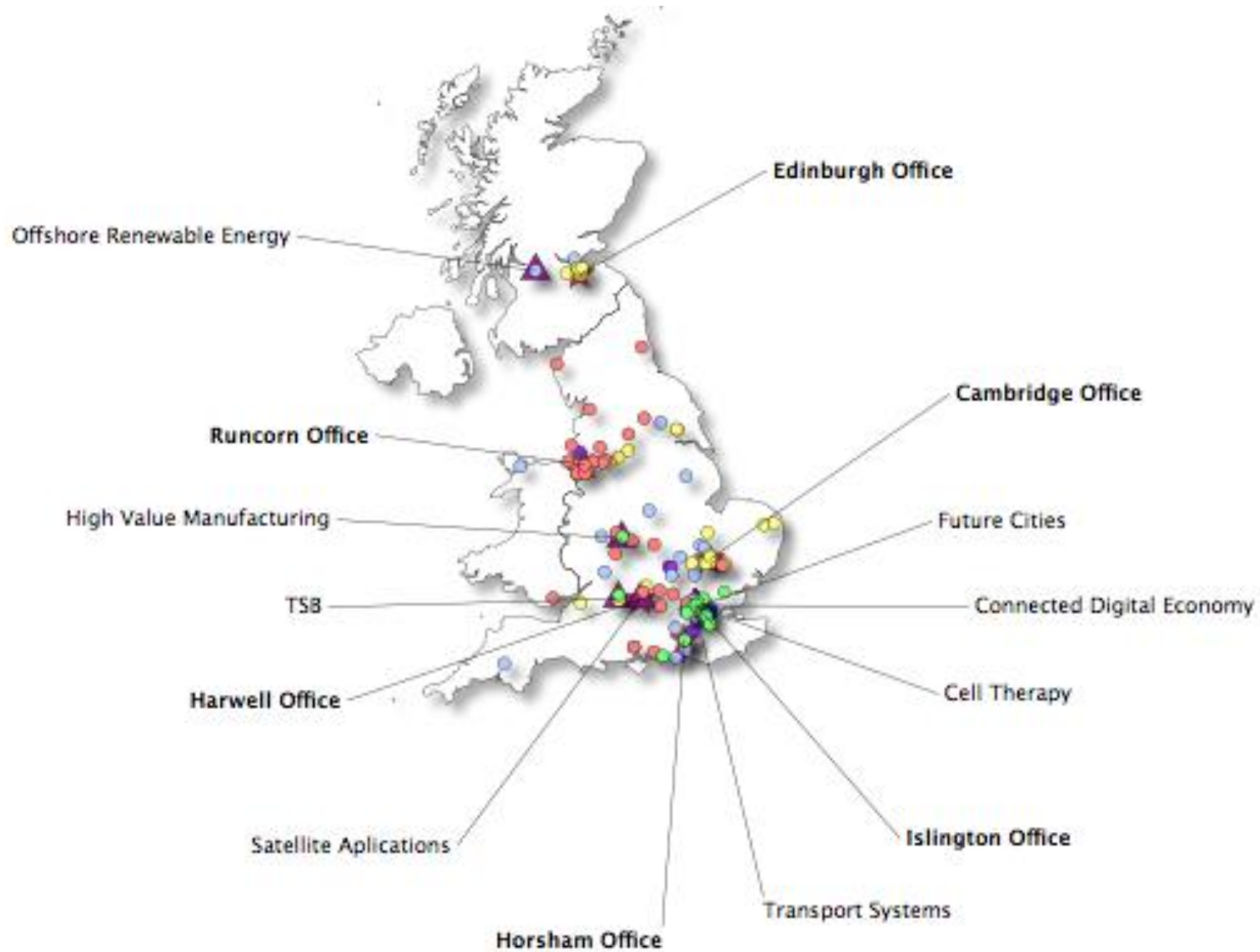
Search 



KTN

the Knowledge Transfer Network

National and local



Overview

- Broad scope around the “trilemma” of affordable, secure, clean energy
- Co-funded by Innovate UK and EPSRC (and DECC)
- Staged support for commercialisation of innovative energy technologies
- Continuously open programme:
 - Round 1 £25m March’14 – Nov’14 (205 applications; 40 funded)
 - Round 2: £14m Nov’14 – April’15 (100 EoI ⇒ 25 FS + 125 ES)
 - **Round 3: £10m April’15 – Nov’15**
 - Round 4: Nov’15, to be confirmed
- Early Stage feasibility studies up to £200k led by SMEs or academia
 - register by 18th November 2015
- Mid & Late stage CR&D proposals up to £1.5m & £10m respectively
 - register by 2nd September 2015

“Commercialisation of the best in UK energy research & innovation”



Innovate UK
Technology Strategy Board

**Register
before
3rd June**

Cleaner, more efficient production and use of conventional fossil fuels

<http://tinyurl.com/cleanerfuels>

Up to £1m from Innovate UK and up to £1m from NERC for SME-led Feasibility Studies.

Scope covers power generation, energy-intensive industries, and oil and gas.

Typical project size £100k-£150k



APC4: Driving UK Capability and Economic Impact through Low Carbon Propulsion Technologies

- **Key features:** Investment of up to £60m in collaborative research and development funding to support the development of low carbon, low emission automotive propulsion technologies, in line with Automotive Council Roadmap.

Award: £60m

- **Project size:** £5-40m
- **Opens:** 05 May 2015
- **Closes:** 24 Jun 2015





Portable Renewable Energy Generation

Deadline: 8th June 2015

This £1m competition is jointly funded by **Welsh Government**, Innovate UK and the Department for Energy & Climate Change and is run by the Energy & Sustainability Department of City of Cardiff Council.

Develop innovative and cost effective solutions that provide portable and scalable technologies to generate clean renewable energy on vacant or underused land in the city that could be easily removed and relocated elsewhere as necessary.

http://www.sell2wales.gov.uk/search/show/search_view.aspx?ID=APR080832



HITEA3 Game-changing technologies for aerospace

- **Key features:** Collaborative R&D and feasibility studies to accelerate the commercialisation of highly innovative technologies for civil aerospace. Looking for solutions to key aerospace industry challenges and for opportunities to bring in technologies and capabilities from outside the traditional aerospace sector. Scope includes technologies that enable improvements to overall vehicle performance and efficiency, for example **highly efficient propulsion systems and more electric technologies.**

Award: £10m

- **Project size: £0.1-1.5m**
- **Opens: 29 June 2015**
- **Register by: 9 Sept or 5 Nov**
- **Closes: 12 Nov 2015**

Newton Fund: building science and innovation capacity in developing countries

- **Key features:** aims to develop science and innovation partnerships that promote the economic development and welfare of developing countries. The fund is £75 million per year from 2014 for 5 years.
 - **Award:** £375m over 5 years (+ partner funding)
 - **Turkey** – Eureka/CR&D (open)
 - **Mexico** – CR&D (opens May'15)
 - **Malaysia** – CR&D urbanisation/energy (opens June'15)
 - **Brazil** – small-scale CR&D & feasibility (opens September'15)

<https://www.gov.uk/government/publications/newton-fund-building-science-and-innovation-capacity-in-developing-countries/newton-fund-building-science-and-innovation-capacity-in-developing-countries>

<http://www.international.ac.uk/programmes/current-opportunities/the-newton-fund.aspx>

<http://www.newtonfund.ac.uk/funding/funding-opportunities>

Low Carbon Vehicles Innovation Platform (LCV IP)

Established in September 2007 to encourage innovation and development in the UK automotive industry and related sectors for Low Carbon Vehicle technology and product development.

- 11 IDP (Integrated Delivery Programme) competitions,
- enabled 195 projects worth over £500m in value to IDP-10
- Over £215m grant (half of which is co-funding)



Three key goals:

1. To contribute to the growth of the UK automotive sector
2. Increase and accelerate the introduction of vehicle-centric technologies to the LCV market.
3. Support the UK's contribution to the achievement of national and international Green House Gas reduction targets, by reducing road transport CO2





LCV & Fuel Cells

- Previous fuel cell related projects supported by the LCV team:
 - IDP8 - Compact, efficient, low-cost turbomachine compressor for automotive fuel cell systems – University of Manchester, Aeristech Ltd & Intelligent Energy
 - IDP8 - Hydrogen for Long Range Electric Vehicle (LREV) – MIRA, Cella Energy, Coventry University, Productiv
- IDP12 likely to be live in circa September 2015
- Innovative projects that “Increase and accelerate the introduction of vehicle-centric technologies to the LCV market” are likely to fit the scope
- If this matches your goals, please keep an eye out for information or contact the LCV team
- LCV Programme Manager: Paul Gadd - paul.gadd@innovateuk.gov.uk

Thank you

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