

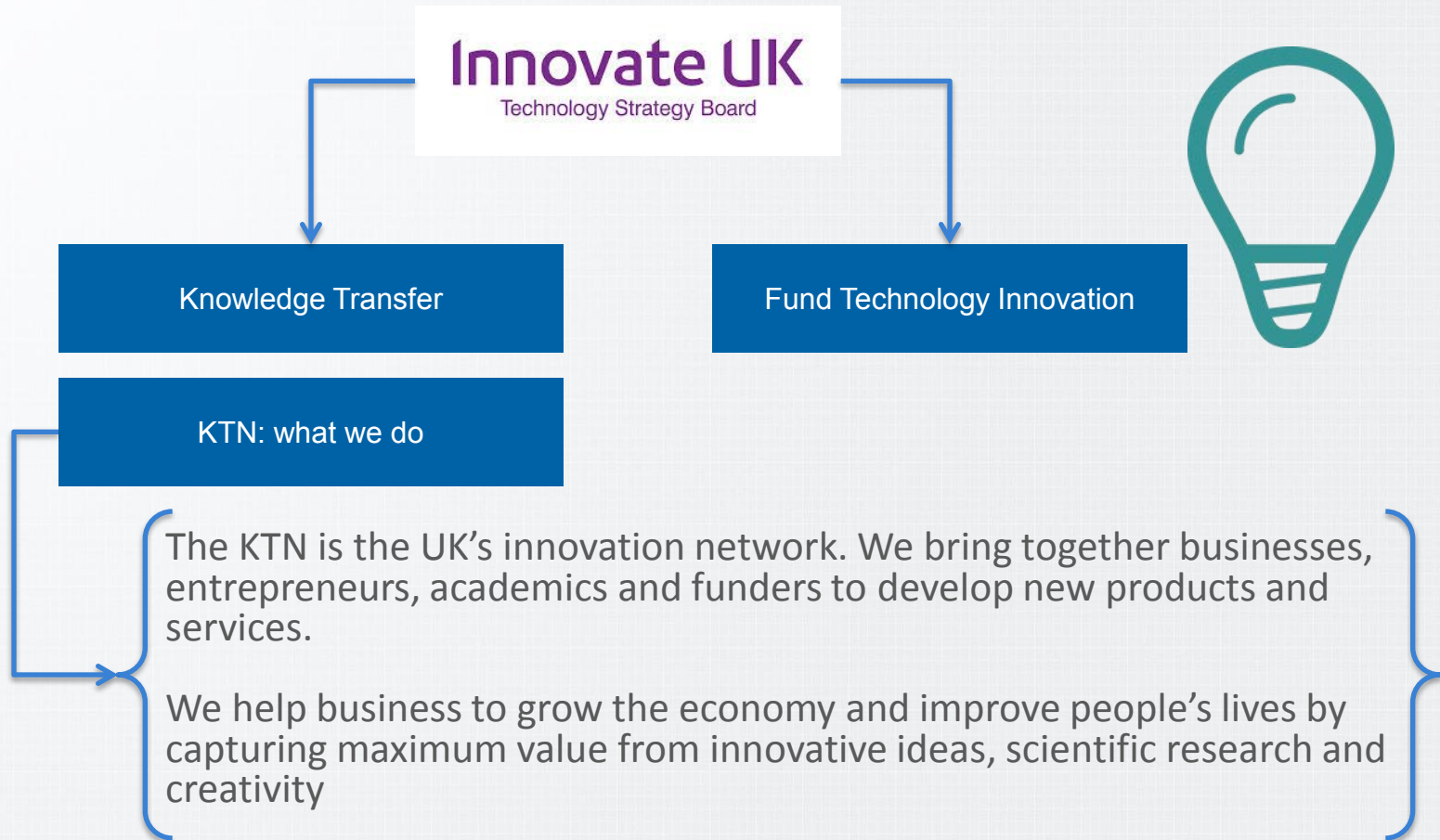


KNOWLEDGE TRANSFER NETWORK

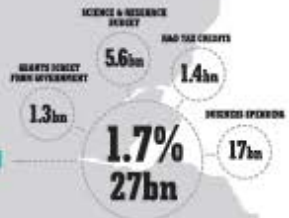
THE UK'S INNOVATION NETWORK
Alex Efimov
18th December 2014

Introducing the KTN

The UK's Innovation Network



WHY INNOVATE?

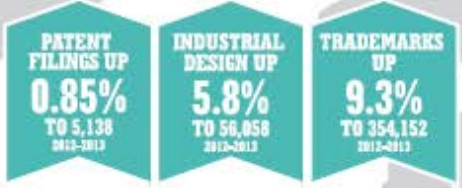


R&D INVESTMENT 2012
LOWER
THAN EU AVERAGE



In 2010, one new business started every minute...

Out of the top 20 R&D investors globally, ¼ have R&D bases in the UK



HOWEVER



IN 2014 THE UK WAS RANKED **2ND** IN THE GLOBAL INNOVATION INDEX

Based on the enabling environment for innovation and actual achievements

INSTITUTIONS
HUMAN CAPITAL AND RESEARCH
INFRASTRUCTURE
MARKET SOPHISTICATION
BUSINESS SOPHISTICATION
KNOWLEDGE AND TECHNOLOGY OUTPUTS
CREATIVE OUTPUTS

"INNOVATION MEANS SURVIVAL"



INNOVATING FIRMS ARE 13% MORE LIKELY TO SURVIVE OVER AN 8 YEAR PERIOD THAN THOSE WHICH DO NOT INNOVATE

"INNOVATION DRIVES ECONOMIC GROWTH"



UK REQUIRES GROWTH



63% INNOVATION

includes other 'intangible assets' such as marketing, management skills, organisation restructures etc

"INNOVATION DELIVERS SOCIAL BENEFIT"



WHILST ONLY **30,000** OUT OF THE **700,000** BUSINESSES IN THE UK ARE HIGH GROWTH SMALL BUSINESSES **THEY CREATED**

2/3 NEW JOBS 2012-2013
36% ECONOMIC GROWTH LAST YEAR

"INNOVATION DRIVES PRODUCTIVITY"

FIRMS THAT PERSISTENTLY INVEST IN R&D HAVE HIGHER PRODUCTIVITY

13% HIGHER THAN THOSE WITH NO R&D AND 9% MORE THAN OCCASIONAL INVESTMENT



THE UK CAN BOAST A **£7 RETURN FOR EACH £1 SPENT** ON COLLABORATIVE R&D PROJECTS

160,000
PEOPLE EMPLOYED IN BUSINESS R&D

720,000
ACADEMIC AND POSTGRADUATE STAFF IN UK UNIVERSITIES

HIGHEST AREAS OF RESEARCH & DEVELOPMENT



The Knowledge Transfer Network

Enabling collaboration



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

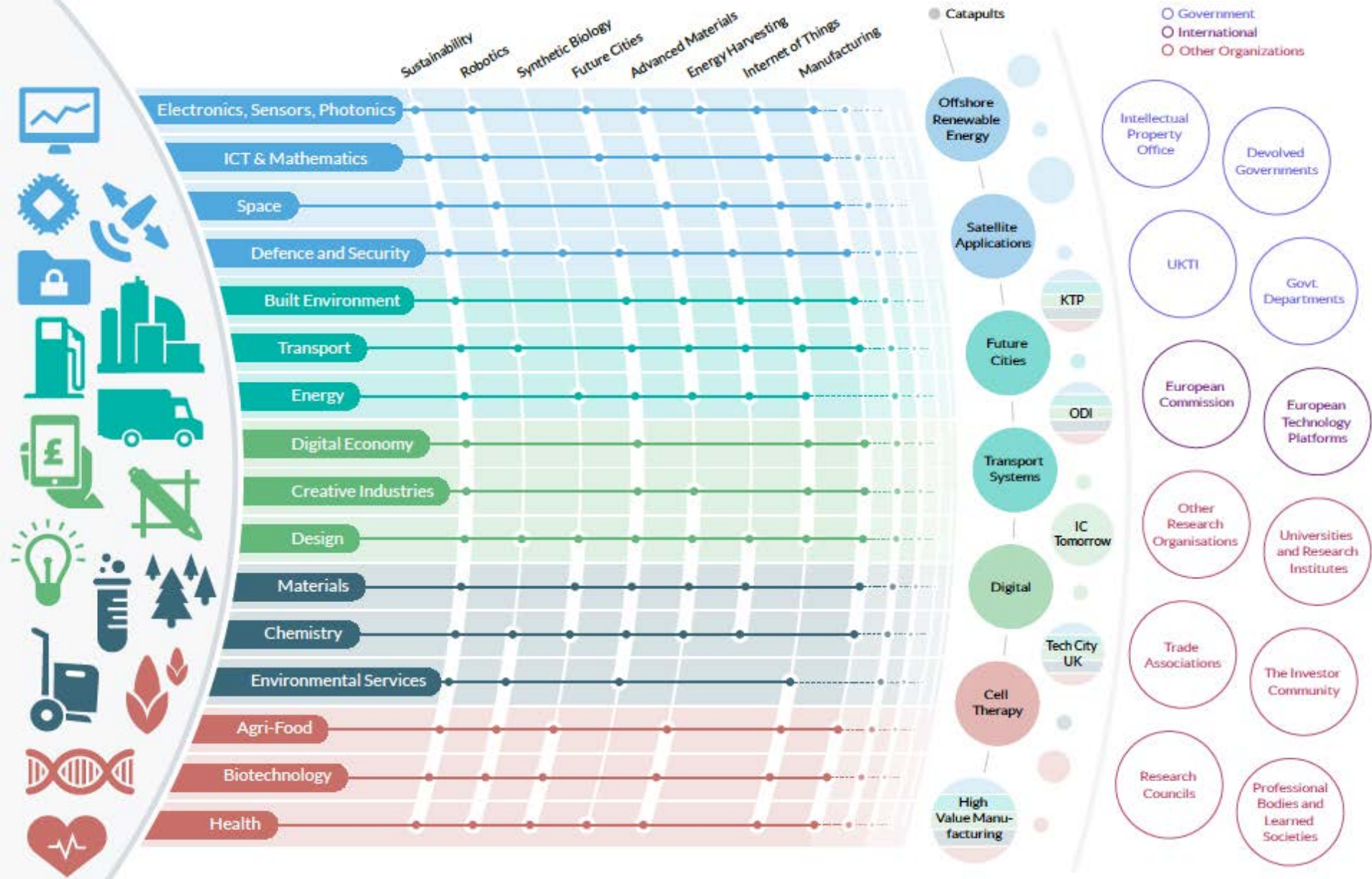
The Knowledge Transfer Network

CORE COMMUNITIES

CROSS-CUTTING PROGRAMMES

INNOVATE_UK FAMILY

OTHER ACTORS



Connecting

- Bringing people together to innovate
 - _connect networks
 - Networking Events
 - Building Community

Communicating

- Broadcasting to keep people informed
 - _connect Articles
 - Event Diary
 - Funding Calls

Knowledge
Transfer
Network

Collaborating

- Bringing Government, Academia and Industry together
 - Conduit of information
 - Listen to All, Speak for All

Changing

- Breaking barriers between sectors
- Leading the Innovation Discussion
- Accelerating Innovation for Economic Growth

Current Activities

Examples of KTN support to industry and academia

We identify and report technology challenges, scope and promote InnovateUK competitions, participate in delivery of the Space Innovation and Growth Strategy, promote Horizon2020, advise companies and universities

We work with:



We work on:

Competitions:
Space Propulsion
Innovation Award, GNSS
receivers

Space IGS:
Location Based Services
market and roadmap

SA Catapult:
technology roadmapping

UK Space Agency:
H2020 Space Call, NSTP,
Earth Observation

Our tools are:



....

Space Challenges and Growth Opportunities

UK Space Propulsion Workshop at the Advanced Manufacturing Research Centre



Advanced Manufacturing
Research Centre



Innovate UK
Technology Strategy Board

Space Challenges and Growth Opportunities

Harwell Appathon and the power of the SAP HANA Cloud Platform



Spacecraft Propulsion Competition

Call for collaborative R&D



Spacecraft propulsion: £2 million for collaborative R&D

Businesses can win a share of £2 million for innovation in spacecraft propulsion systems.

Closes: 18 Mar 2015

GNSS receivers

Feasibility studies



GNSS receivers: using new satellite systems

Investment of up to £1 million in feasibility studies to support continued innovation in global navigation satellite system (GNSS) receiver technologies.

Closes: 18 Mar 2015

The Knowledge Transfer Network

Stimulating dialogue/accelerating innovation

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



Chris Warkup
CEO

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



David Lockwood
Chair

Knowledge
Transfer
Network



16 Industry Communities

Core thematic networks covering key application areas and underpinning technologies



17 Cross-sector Groups

Interdisciplinary programmes building communities around priority challenges



60,000+ Members

An engaged online community of innovators served by a single platform



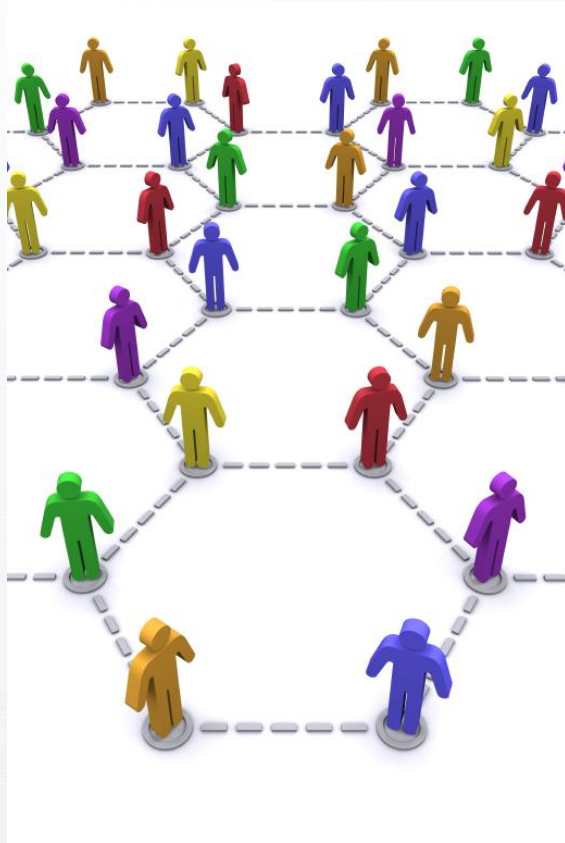
6,000+ Delegates per year

Hundreds of events bringing people together ‘to make magic happen’

Innovate UK
Technology Strategy Board

.... The KTN

Connecting people who accelerate innovation



<http://connect.innovateuk.org>

[@spacecommunity_](https://twitter.com/spacecommunity_)

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