

KTN Introduction

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Innovate UK

Knowledge Transfer Network

ktn-uk.org @KTNUK



The Innovate UK family



Department for
Business, Energy
& Industrial Strategy

Innovate UK



Business Support on Your Doorstep



KTN

the
Knowledge Transfer
Network

CATAPULT



The Knowledge Transfer Network stimulates innovation by:

- *Linking organisations & exchanging knowledge*
- *Providing access to funding & support*
- *Promoting exemplars*

- 120 staff
- 60,000 members
- Free to join

Manufacturing

Access to Funding & Finance

European Programmes

Design

Sustainability

Chemistry &
Biotechnology

Food

Life Sciences

Materials

Infrastructure

Transport

Enabling Tech

Complex Systems

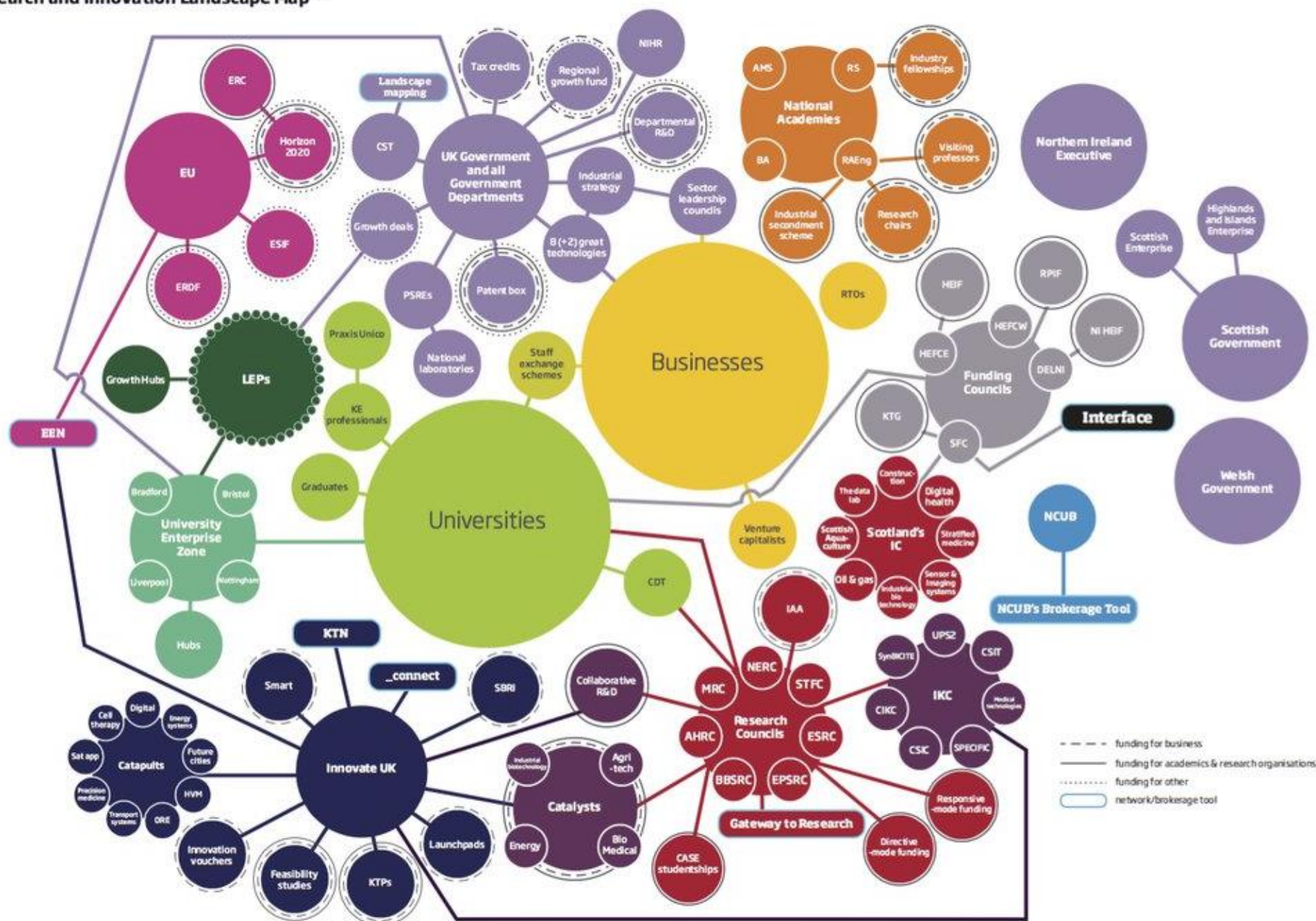
Emerging Tech

Digital & Creative

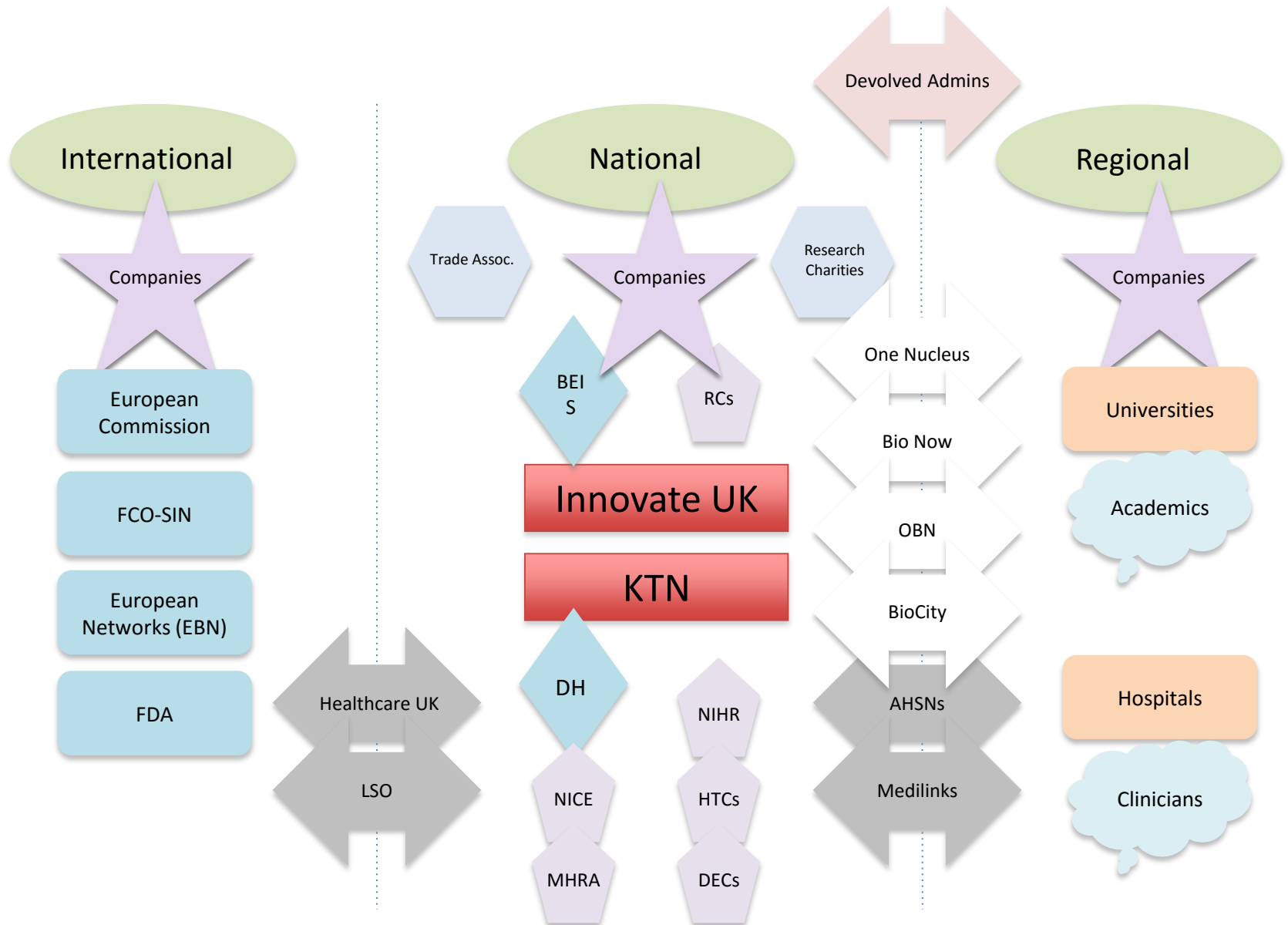
The KTN Offer

- **Information & News**
 - Monthly newsletters dedicated to specific communities
- **Events and activities**
 - For knowledge transfer & collaboration
 - Competition briefing & consortium building events
 - >10,000 delegates/year
- **Partnering**
 - Access to strong network of industry & research partners – proactive partnering
- **Funding**
 - Help finding & obtaining the right funding

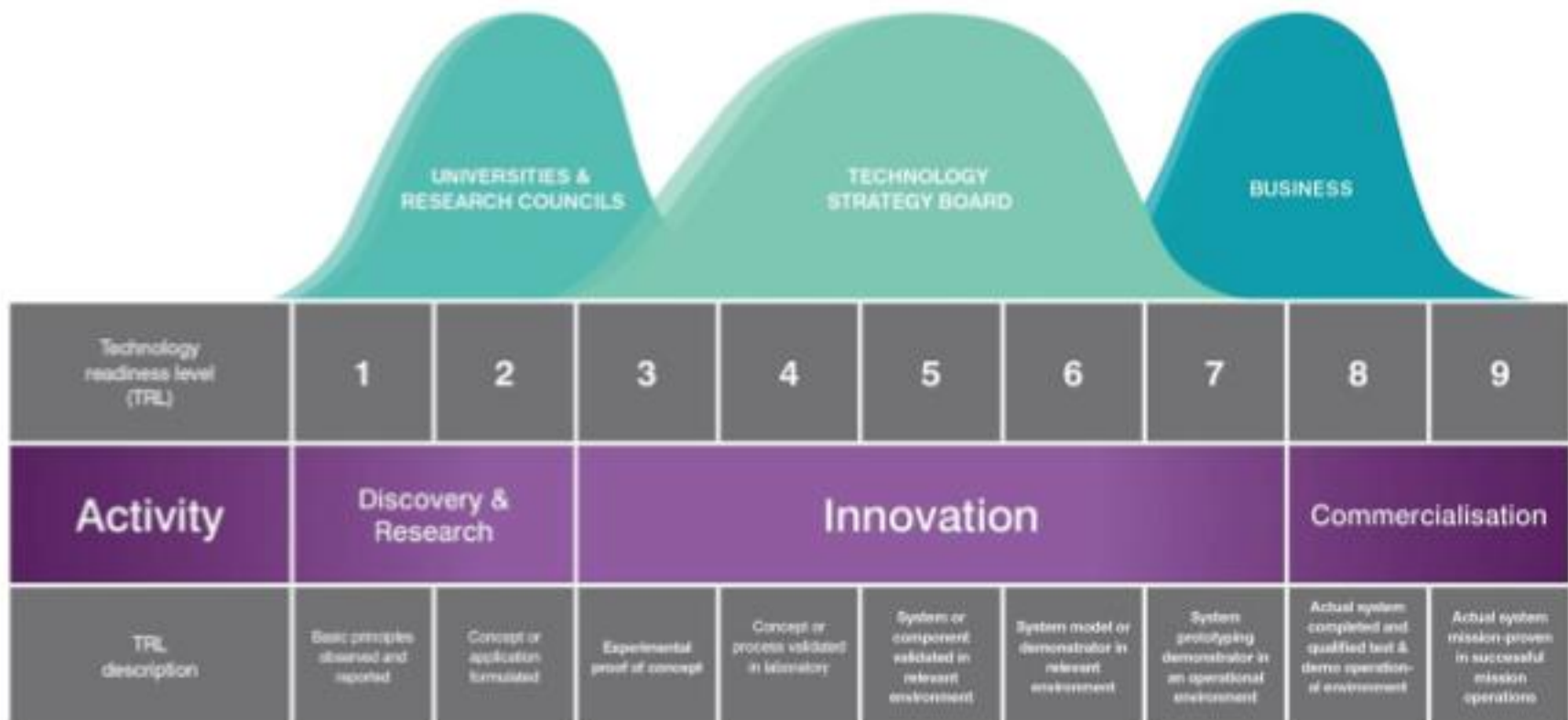
Figure 10
Research and Innovation Landscape Map³⁷



Health Innovation Landscape



Technology Readiness Level

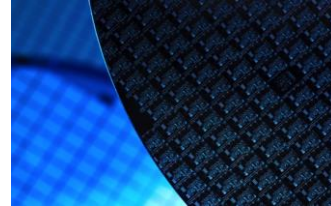


Source: The NASA-developed Technology Readiness Level model¹⁷

Sector focus to accelerate growth

Emerging and Enabling Technologies

Identifying and investing in technologies and capabilities that will lead to the new products, processes and services of tomorrow



Health and Life Sciences

Focused on agriculture and food and healthcare, underpinned by bioscience and medical research and enabled by engineering and physical sciences



Infrastructure Systems

Optimising transport and energy systems and integrating them with other systems such as health and digital



Manufacturing and Materials

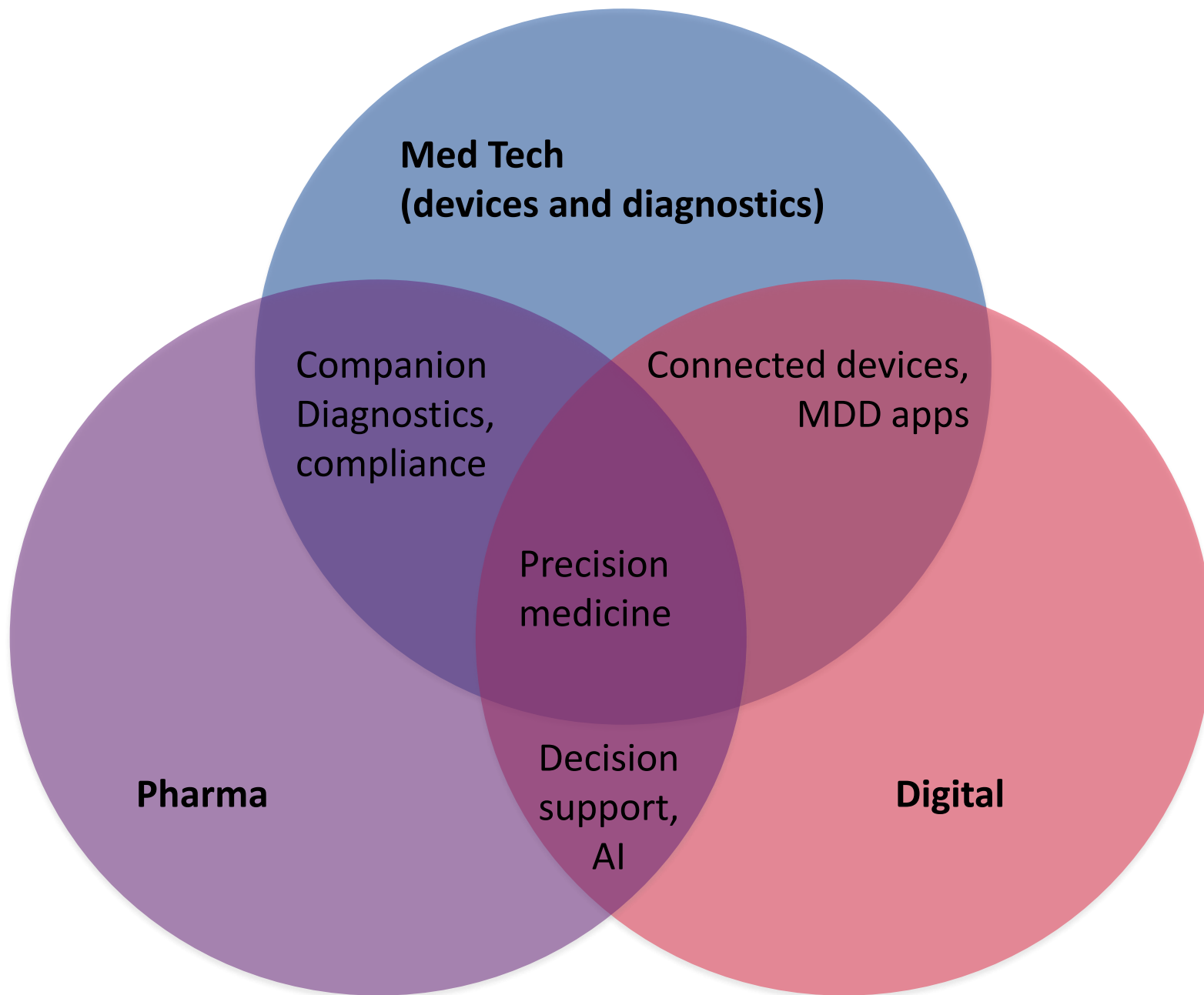
Advancing manufacturing readiness so R&D and technology developments increase productivity and capture value in the UK

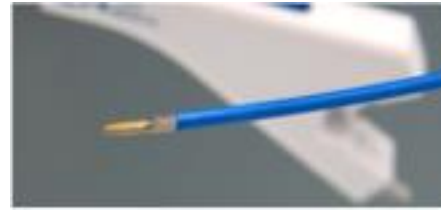


Medical Technologies

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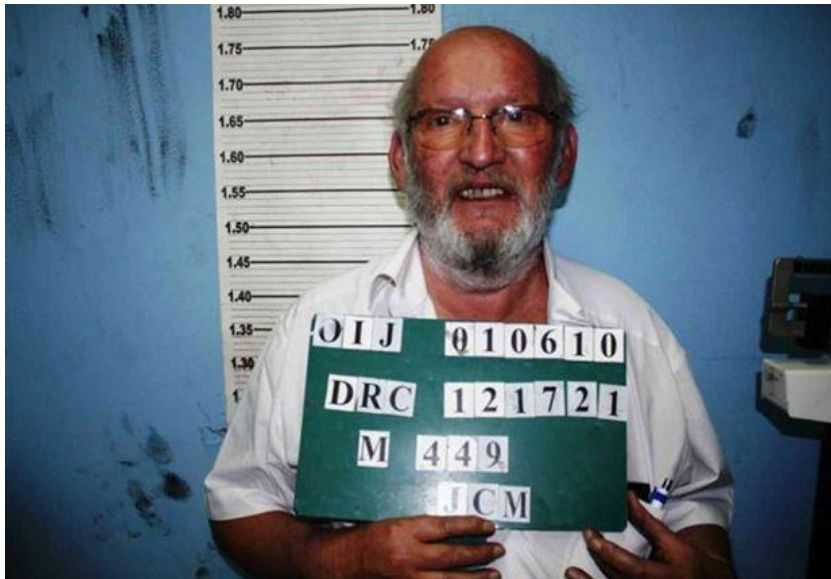
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MEDICAL DEVICES THROUGHOUT LIFE







UK Company Landscape (S&O 2015)

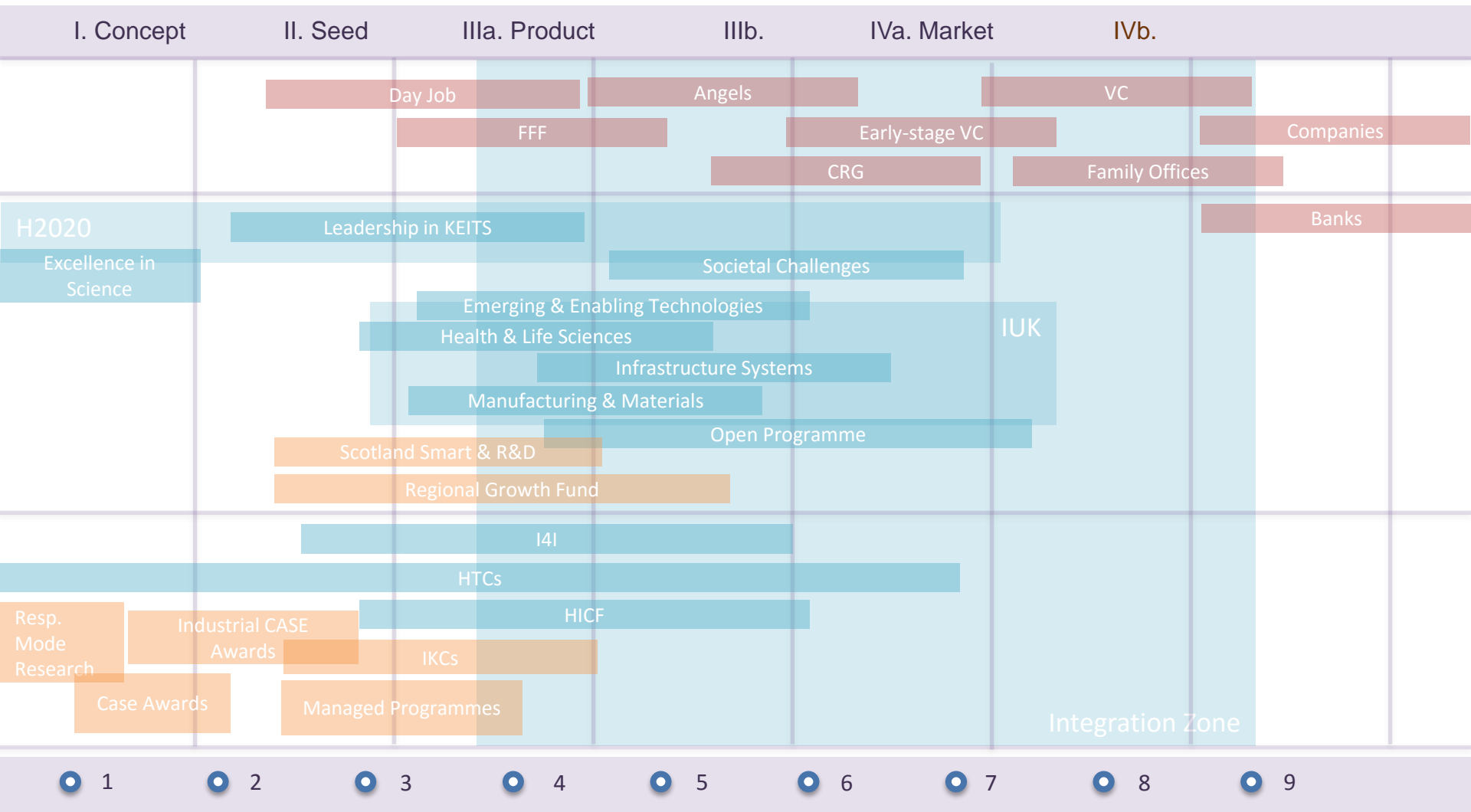
- Health life sciences
 - med tech, biopharma, digital health, genomics
 - £61bn t/o
 - 5,633 cos
 - 222k employees
- Med tech (incl service and supply chain)
 - 115,000 employed (52%)
 - 3,685 companies (98% SMEs, 41% micro) (59%)
 - £21bn t/o (35%)



Funding Overview

Innovation Funding

Integrated Public / Private Funding Strategy – Health Focus





Grants Overview

What grants are there?

Regional

- Scottish Enterprise (HIE)
- Creative England

National

- Innovate UK
- KTPs
- Research Councils

European

- H2020
- SME Instrument
- Eurostars

Sector Specific

- SBRI (NHSE)
- NHIR i4i



Innovate UK

<https://apply-for-innovation-funding.service.gov.uk/competition/search>

Our four sector approach

Health and Life Sciences	Infrastructure Systems
Manufacturing and Materials	Emerging and Enabling Technologies

- Each year:
- 2 competitions per sector
 - 2 'open' competitions (all sectors + other)
 - + targeted and challenge led competitions



Key features of a good proposal

1. Alignment to the competition scope (may require collaboration)
2. Innovation
3. A strong business case (cover how to 'match' the funding – up to 70% max)
4. A convincing value proposition
5. A credible plan for Research and Development
6. The right consortium
7. A clear need for support
8. Sufficient risk



SBRI Health

<http://sbrihealthcare.co.uk/>

SBRI Healthcare Annual Review - 2015/16

reduce your wait
time for heart attack
diagnosis from several
hours to 20 minutes

detect lung
cancer from
your breath



help all the
people that are
treating a patient
with brain injury

help the NHS
map people with
complex needs in
their locality



continually
monitor your vital

reduce
incontinence
with a discreet

The Small Business Research Initiative for Healthcare (SBRI Healthcare) is an NHS England initiative, championed by the Academic Health Science Networks (AHSNs), who aim to promote UK economic growth whilst addressing unmet health needs and enhancing the take up of known best practice.





Periodic Calls – Next is July 2017

1. Works with AHSN Networks and partners (including KTN) to define scope of calls
2. Previous themes include Future GP, Improving patient flow
3. Pre-competitive Procurement model (not a Grant)
4. 100% funding
5. Next call is around cancer diagnosis, management and care



NIHR i4i

<https://www.nihr.ac.uk/about-us/how-we-are-managed/boards-and-panels/programme-boards-and-panels/invention-for-innovation/>

Why apply to i4i?

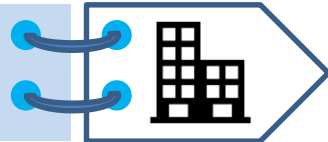
- Dedicated Medtech funding programme
- Uncapped awards
- Source of early funding for SMEs
- Risk oriented programme
- Commercially oriented panel supported by peer review
- Milestone-based awards to de-risk
- Guidance and advice
- Favourable independent review by RAND¹

1 'The NIHR Invention for Innovation (i4i) programme. A review of progress and contributions to innovation in healthcare technologies'

i4i – "Starter for 10"



Minimum of two organisations



Lead applicant must be based
in England



Must have proof-of-concept



Work plan must exclude
animal studies



Challenge | NHS organisation/service
Awards | provider involvement



Challenge | Must reach first in
Awards | man as a minimum





H2020 – SME Instrument

<https://ec.europa.eu/programmes/horizon2020/en/area/smes>



Always Open – but 4 ‘cut-off’ points per year

1. Two phases but phase 1 optional
2. Phase 1 E50k 70% funded – proof or concept 6 months
3. Phase 2 E550K – E2.5M typically 70% funded
4. Single company can apply
5. Most funded SME's have 4 years trading
6. Need clear route to market with impact accruing within EU
7. Although broad – look at H2020 themes as published for guidance
8. EEN can support
9. http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-sme_en.pdf#page=7



EEN and Catapults

We connect innovators with manufacturers, distributors, co-developers and suppliers overseas. Our experts advise those looking to commercialise new ideas and succeed in new markets.

Find support and connections in your area

Find a partnering opportunity

Search for partners to manufacture, distribute co-develop and supply your products and ideas.



Innovate UK



network

enterprise europe
North West England

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EEN – Links Across EU and beyond

1. 51 Countries
2. 600 partner organisations via one point of access
3. Regional Footprint across UK (slightly different funding model in Scotland)
4. Advisors for: EU taxation, policy, IP Funding etc
5. Partner search for you international collaborations

Catapults

Experimental
research

Applied R&D

Technology
implementation

TRL 1

TRL 2

TRL 3

TRL 4

TRL 5

TRL 6

TRL 7

TRL 8

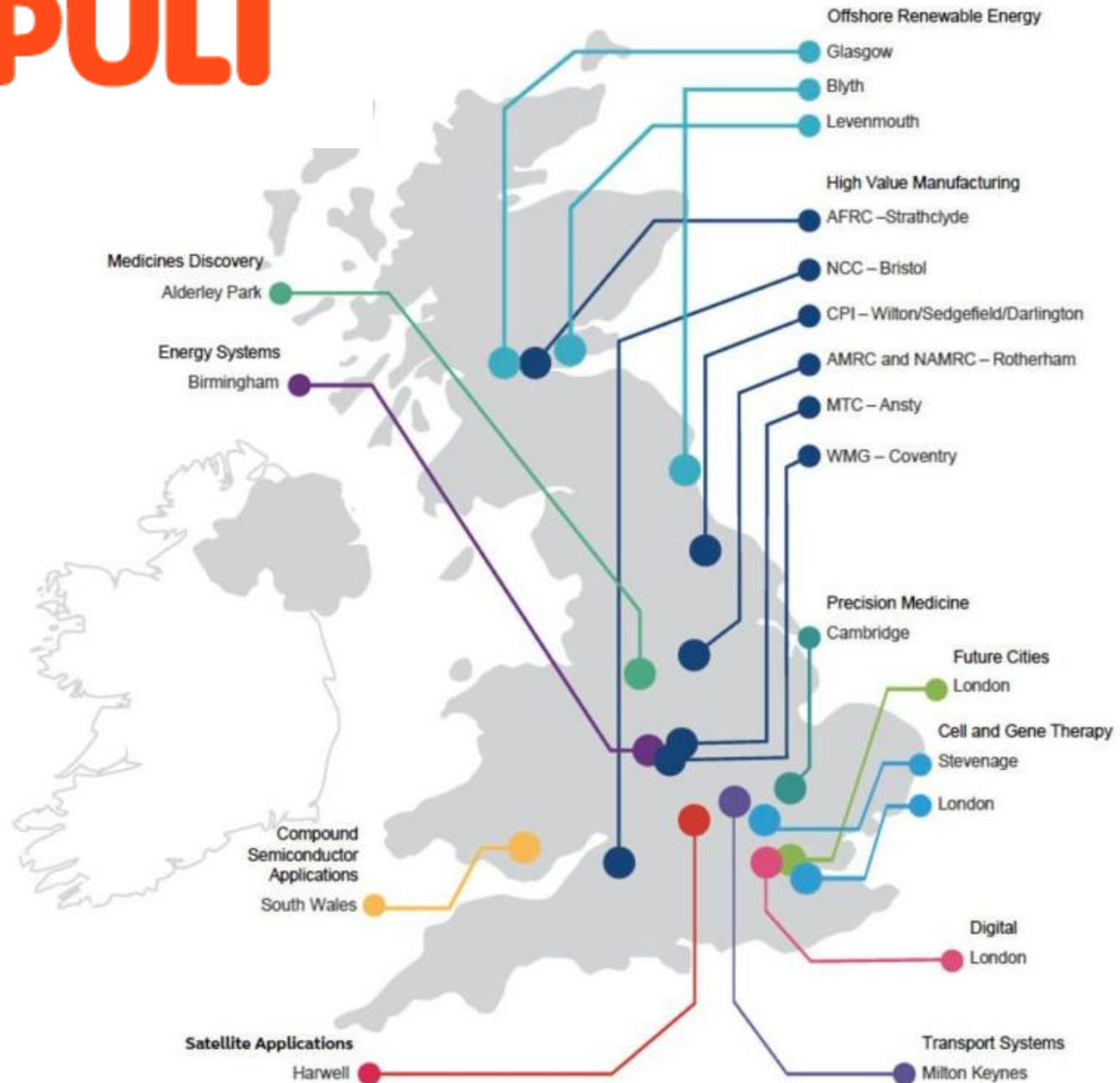
TRL 9

Research Councils
Universities

← Catapult focus →

Private Sector Funds

CATAPULT





Through our 7 centres we have capabilities and competences which span basic raw materials through to high integrity product assembly process

Summary

- Providing access to funding & support
- Setting up collaborative partnerships
- Linking the innovation landscape
- Come along to our events
- Sign up for our free newsletter

www.ktn-uk.org
[@KTNUK](https://twitter.com/KTNUK)

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