

Innovate UK

Investing
locally in areas
of strength

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Innovate UK

www.innovateuk.gov.uk

Innovate UK – the UK's innovation agency

We work with people, companies and partner organisations to find and drive the **science and technology innovations** that will grow the UK economy - delivering productivity, new jobs and exports.

Our aim at Innovate UK is to **keep the UK globally competitive** in the race for future prosperity.

We **connect** people to the knowledge they need and **fund** the business innovation that will drive growth.



Our 5-point plan

1

Working with the research community and across Government to turn scientific excellence into economic impact

2

Accelerating UK economic growth, nurturing small, high-growth companies, with strong productivity and export success

3

Building on innovation excellence throughout the UK, investing locally in areas of strength

4

Developing Catapults within a national innovation network

5

Evolving our funding models; helping public funding go further

Our Regional Approach

1

Working with the research community and across Government to turn scientific excellence into economic impact

2

Accelerating UK economic growth, nurturing small, high-growth companies, with strong productivity and export success

3

Building on innovation excellence throughout the UK, investing locally in areas of strength

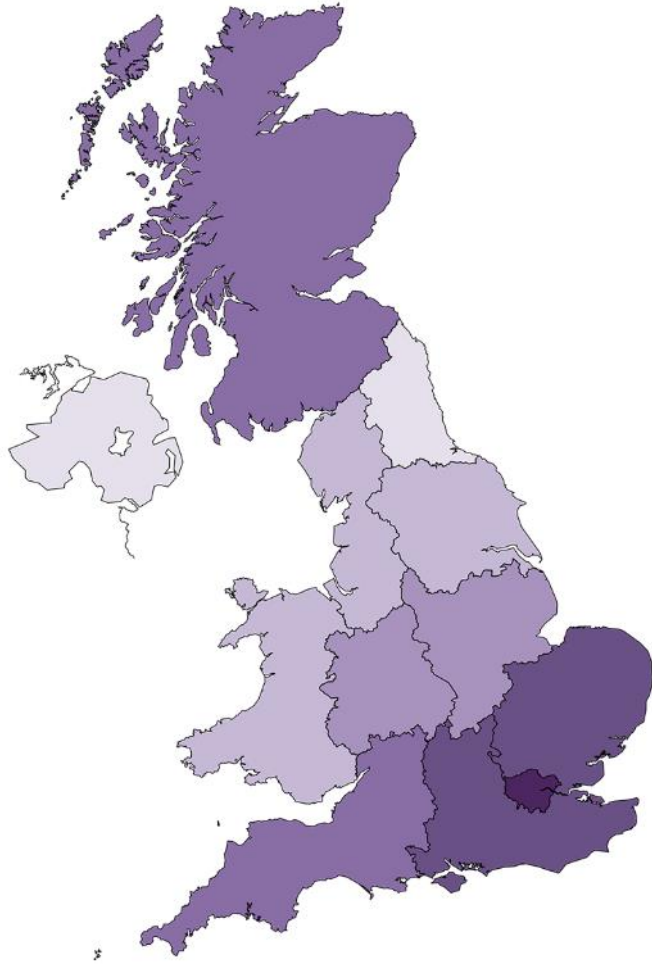
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Developing Catapults within a national innovation network

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Evolving our funding models; helping public funding go further

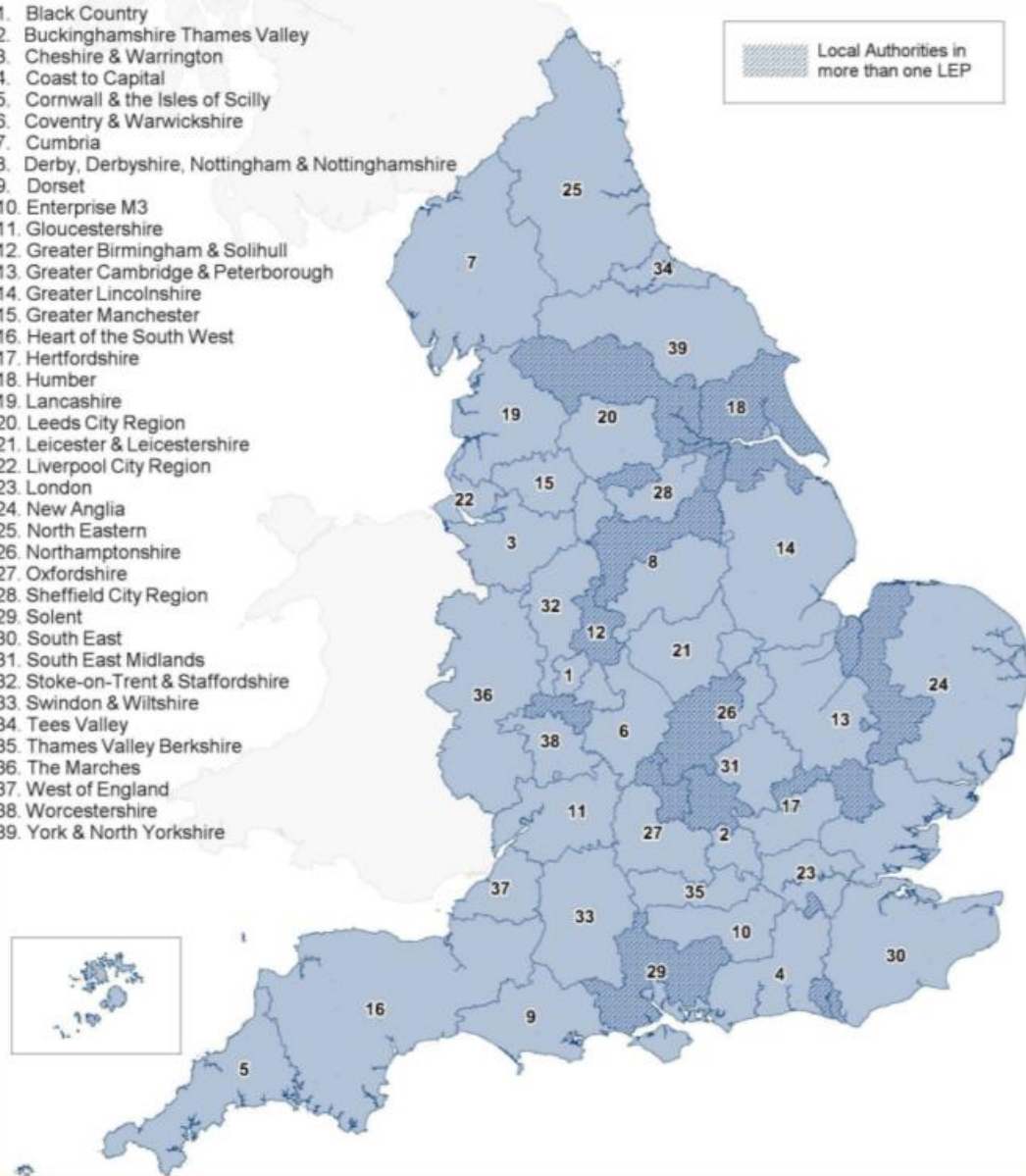
The case for the Smart Specialisation Hub



Local Enterprise Partnerships

1. Black Country
2. Buckinghamshire Thames Valley
3. Cheshire & Warrington
4. Coast to Capital
5. Cornwall & the Isles of Scilly
6. Coventry & Warwickshire
7. Cumbria
8. Derby, Derbyshire, Nottingham & Nottinghamshire
9. Dorset
10. Enterprise M3
11. Gloucestershire
12. Greater Birmingham & Solihull
13. Greater Cambridge & Peterborough
14. Greater Lincolnshire
15. Greater Manchester
16. Heart of the South West
17. Hertfordshire
18. Humber
19. Lancashire
20. Leeds City Region
21. Leicester & Leicestershire
22. Liverpool City Region
23. London
24. New Anglia
25. North Eastern
26. Northamptonshire
27. Oxfordshire
28. Sheffield City Region
29. Solent
30. South East
31. South East Midlands
32. Stoke-on-Trent & Staffordshire
33. Swindon & Wiltshire
34. Tees Valley
35. Thames Valley Berkshire
36. The Marches
37. West of England
38. Worcestershire
39. York & North Yorkshire

 Local Authorities in more than one LEP



The case for the Smart Specialisation Hub

Encouraging a British invention revolution:

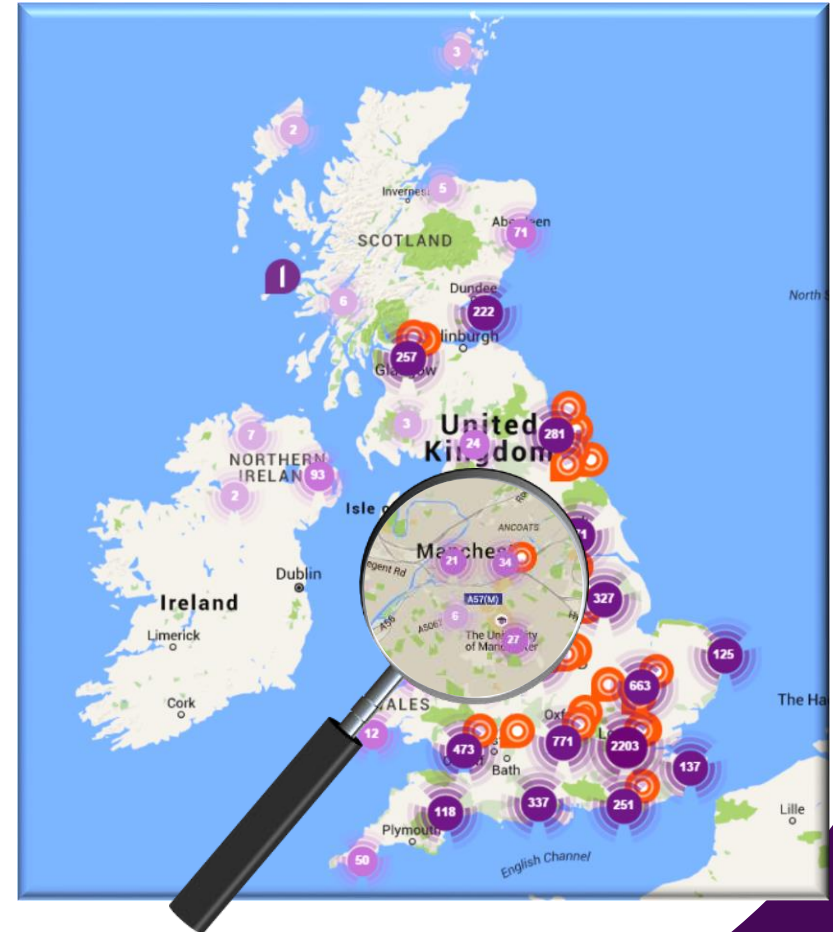
Sir Andrew Witty's review of universities and growth

- “Significant scope exists to better align funding streams, organisational focus and increase cross institution collaboration...”
- Recommendation to “...establish an **authoritative advisory capability** to advise Government and LEPs on how strongly LEP proposals are based in a sound assessment of **comparative advantage**, and to identify and communicate the **best practice** of the most effective of LEPs so that the Government and LEPs can work to bring all LEPs up to the level of the best.”
- Government agrees to “...create a new **Advisory Hub for Smart Specialisation**, facilitated by experts and drawing together contributions from bodies with relevant roles.”
- Innovate UK is tasked to deliver the Hub.

The case for the Smart Specialisation Hub

Smart Specialisation to:

- Improve everyone's understanding of the innovation landscape
- Improve alignment of strategy
- Recognise where we can work with partners to make the most difference
- Make best use of UK resources to ensure we stay competitive on the global stage.
- Avoid duplication



Industrial Strategy



Investing in science, research & innovation

We will become a more innovative economy and do more to commercialise our world leading science base, developing new technologies and driving growth throughout the UK.



Encouraging trade & inward investment

We will make Britain a global leader in free trade, including promoting and supporting UK exports, building future trading relations and creating a more active approach to winning major overseas contracts.



Cultivating world-leading sectors

We will build on our areas of global excellence and help new sectors to flourish, supporting businesses to take the lead in transforming and upgrading their industries through sector deals.



Delivering affordable energy & clean growth

We will keep energy costs down for businesses, build the energy infrastructure we need for new technologies, and secure the economic benefits of our move towards a low-carbon economy.



Developing skills

We will build a proper system of technical education, and boost key skills in science, technology, engineering, maths and digital proficiency, to ensure people have the skills employers need now and in the future.



Creating the right local institutions

We will create strong structures and institutions to support people, industries and places to maximise local strengths, including reviewing the location of government bodies and cultural institutions.



Improving procurement

We will ensure public procurement drives innovative new products and services, strengthens skills, develops UK supply chains and increases competition by creating more opportunities for SMEs.



Supporting businesses to start & grow

We will support businesses and entrepreneurs across the UK, to ensure they can access finance and wider support to grow, and have the right conditions for companies to invest long-term.



Driving growth across the whole country

We will build on local strengths and address factors that prevent areas from reaching their full potential, by investing in key infrastructure projects, increasing skill levels and backing local expertise.



Upgrading infrastructure

We will upgrade our digital, energy, transport, water and flood defence infrastructure, and join up central government investment and local growth priorities more effectively.



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Smart Specialisation Hub

Evidencing the UK's comparative advantage

Viola Hay, Project Manager



European Union
European Regional
Development Fund

Background

Official Project kick-off: October 2015

Three year project funded under ERDF's Technical Assistance priority axis.

Funders: Department for Business, Energy and Industrial Strategy (BEIS), Innovate UK, Higher Education Council For England (HEFCE), ERDF

Delivery Partners: Knowledge Transfer Network (KTN) and National Centre for Universities and Business

Stakeholders:

- Local decision makers (e.g. LEPs, Local Authorities, ESIF sub-committees, Devolution Regions, Universities and their mission groups, Business rep bodies)
- National government (informing policy and investments)

Hub Delivery Partners

Innovate UK Knowledge Transfer Network

Knowledge Transfer Network (KTN)

KTN is Innovate UK's network partner and combines in-depth expertise in all sectors with the ability to cross boundaries. KTN helps business to grow the economy and improve people's lives by capturing maximum value from innovative ideas, scientific research and creativity.



National Centre for Universities and Business

The National Centre for Universities and Business (NCUB) is an independent and not-for-profit membership organisation that promotes, develops and supports university-business collaboration across the UK.



Smart Specialisation Hub

Vision: To be the authoritative source of expertise supporting Smart Specialisation in England

Mission: To promote evidence based innovation investment and strategy

Impact: Local growth, balanced UK economy, wealth creation

Smart Specialisation Hub: Objectives

- Inform better investment decisions based on trusted expertise and insight of comparative data sources
- Operate an Observatory of local innovation for translating evidence into intelligence for local decision making
- Mobilise collaborators across geographical boundaries and sectors
- Promote awareness and use of Smart Specialisation across England

LEP Engagement & Science and Innovation Audits (SIAs)

What are SIAs?

- SIAs were launched by BEIS in November 2015 to help regions to map their research and innovation strengths and identify areas of potential global competitive advantage.
- Consortia applying for SIAs could include universities, research and innovation organisations, Local Enterprise Partnerships (LEPs) and their equivalents in the devolved administrations, and businesses.

Wave 1 - COMPLETED:

- Edinburgh and South East Scotland City region
- South West England and South East Wales
- Sheffield City region and Lancashire
- Greater Manchester and East Cheshire
- The Midlands Engine

=> Audit Reports published on BEIS Website

Wave 2 - ONGOING:

- Bioeconomy of the North of England
- East of England
- Innovation South
- Glasgow Economic Leadership
- Leeds City Region
- Liverpool City Region +
- Offshore Energy Consortium
- Oxfordshire Transformative Technologies

=> Audit Reports expected by May/June 2017

Wave 3 - ABOUT TO START:

Call for Expression of Interests closed 13 January 2017.

LEP Engagement & Science and Innovation Audits (SIAs)

What support does the Hub offer?

- Advice to SIA Lead, e.g. review of and feedback on Eols
- Member of GCGP LEP's Innovation Board
- Support and being a member of SIA steering groups
- Support and being a member of thematic groups
- Organising and / or attending workshops

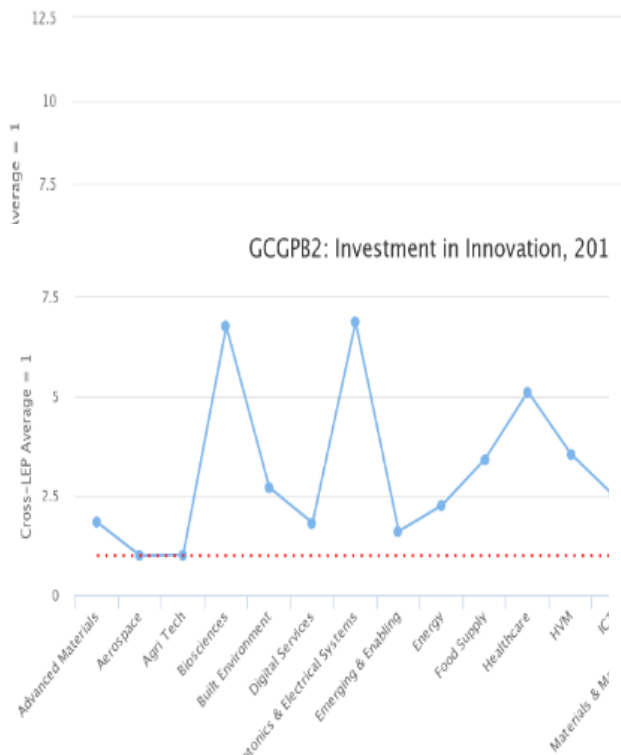
Beyond SIAs:

- Building comparative analytical framework: 'Observatory'
- Development of LEPs' longer-term Innovation Strategies
- More recently: alignment with Industrial Strategy
- National ESIF Sub-Committee
- European S3 Platform

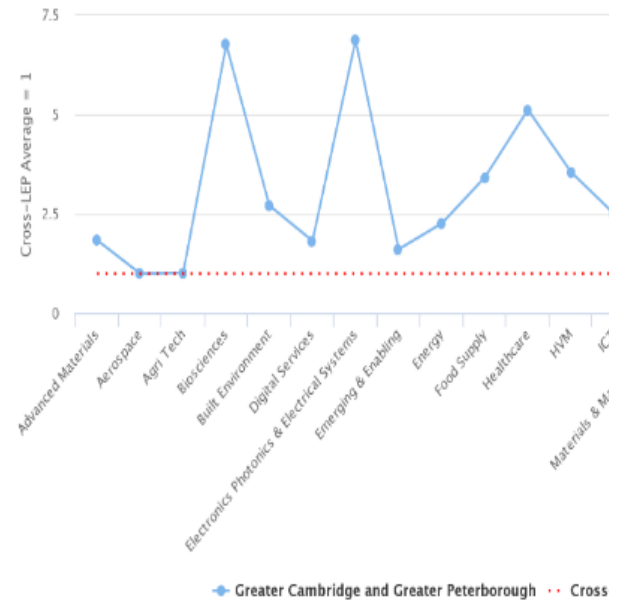


Example of Hub data Cambridge & Peterborough LEP

GCGPA1: R&D Expenditure, 2012/13

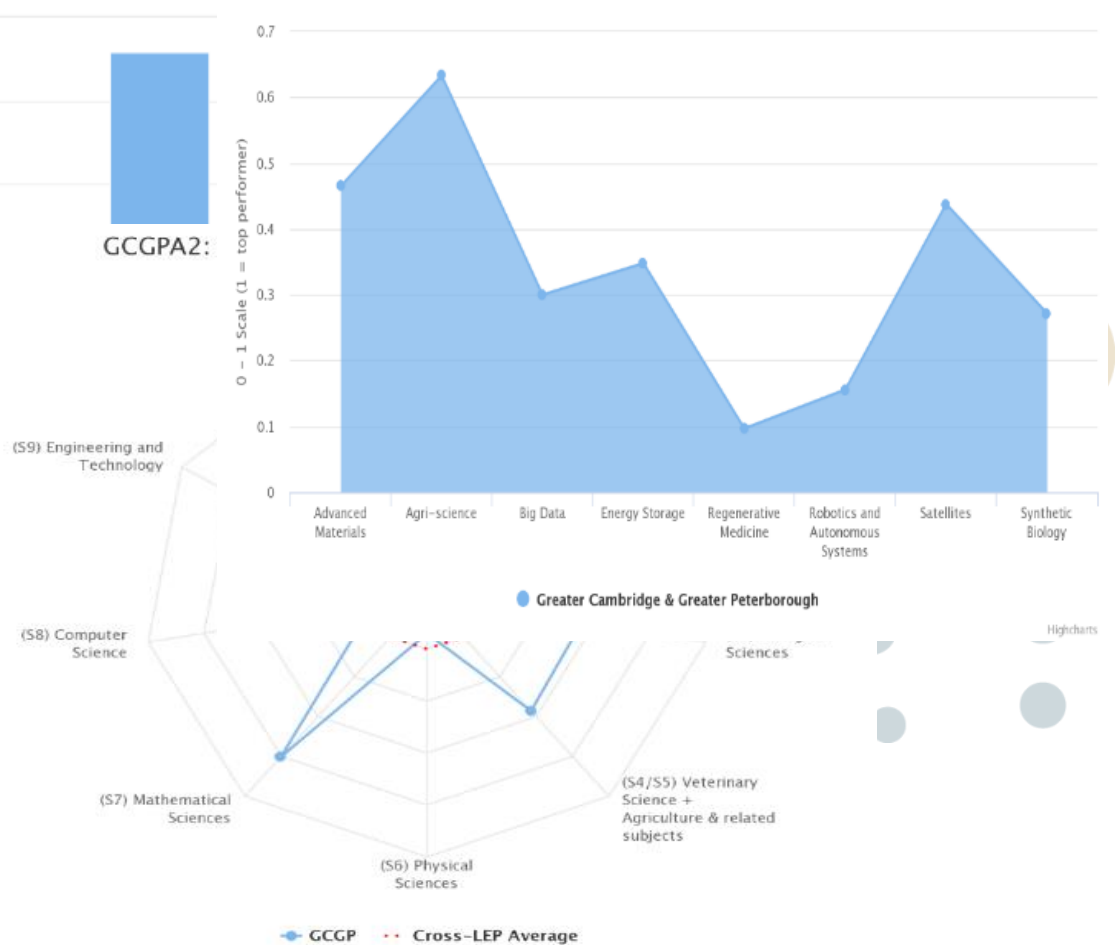


GCGPB2: Investment in Innovation, 201



Greater Cambridge and Greater Peterborough Cross-Lep Average

GCGPA4: Publication Output to 8 Great Technologies, 2012-14



What are our challenges?

Challenges:

- Access to granular data
- Access to and comparison of international data
- Confusion over goals / focus
- University / Academic dominance
- SIA Increasingly seen as having value in its our right
- Timeline

Other Observations:

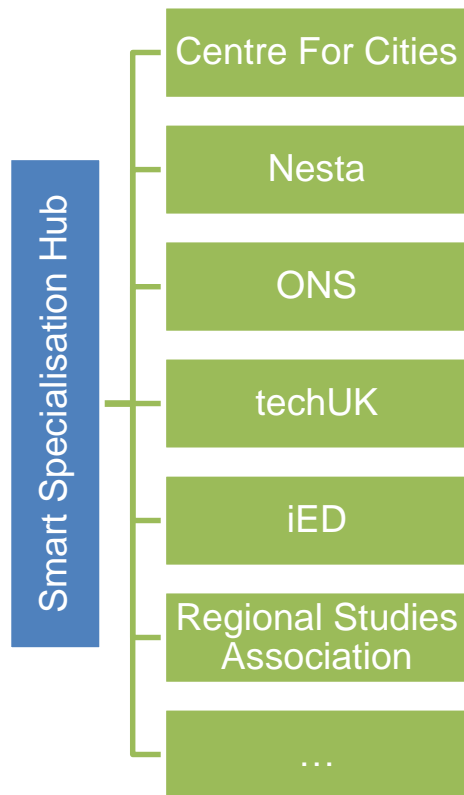
- SIAs are necessarily bottom-up
- Tendency to want to affirm hypotheses
- Skills are a vital component and topic and are crucial to innovation
- Housing and infrastructure more broadly also impact growth and innovation

What will success look like?

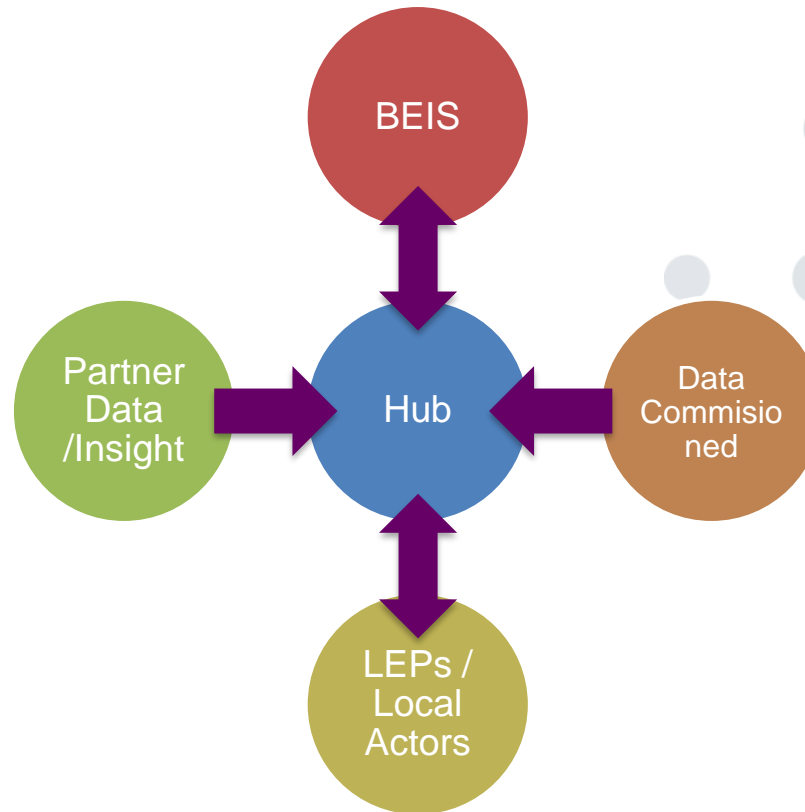
- Full understanding of local innovation decision makers and key influencers
- Strong engagement with local decision makers and evidence of smart specialisation adoption
- Recognised national resource of and expertise in geographic economic data and how to use for decision making
- Recognised repository of innovation landscapes, used by the community as evidence of comparative advantage
- Exemplar of smart specialisation knowledge and best practice within Europe
- Case studies of new collaborations, funding synergies and value chains which demonstrate comparative advantage and future growth
- Source of knowledge on local innovation investment decisions (where has the money gone)

Future of the Hub

Partner not Compete



Collate, Translate, Interpret, Project



Unique Overview of the Landscape



Meet our Team



Steve Welch, Director



Ross Burton,
Stakeholder Engagement Manager



Andrew Basu-McGowan,
Policy Manager



Viola Hay,
Project Manager



Jonathan Abra,
Stakeholder Engagement Manager



Etienne Bailey,
Research Analyst



Kim MacLean,
Digital Communication Officer



Lyuba Dimitrova,
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