

LEP - Lancashire Innovation Board

Meeting held on Monday, 15th November, 2021 in the Ribble Suite at The Exchange, County Hall, Preston, starting at 10.30am

Agenda

- 1. Welcome and Apologies**
- 2. Update on Membership of the Board** (Pages 1 - 4)
- 3. Declaration of Interests**

Board Members are asked to consider any pecuniary or non-pecuniary interests they may wish to declare to the meeting in relation to the items of business on the agenda.
- 4. Minutes of the Last Meeting** (Pages 5 - 10)

The Board is asked to agree that the Minutes of the meeting held on the 6th September 2021 (copy attached) are confirmed as an accurate record of the meeting and signed by the Chair.
- 5. Innovation Plan Refresh - Progress Update** (Pages 11 - 12)
- 6. Innovation Observatory Progress Report** (Pages 13 - 28)
- 7. Spotlight Member Reports** (Pages 29 - 30)
- 8. Date of Next Meeting**

The next scheduled meeting of the Board will be held at 10.30am on the 3rd March 2022 at County Hall, Preston.



LEP – Sub Committee

LEP - Lancashire Innovation Board

Private and Confidential: NO

Date: Monday, 15 November 2021

Update on Membership of the Board

Report Author: Mike Neville, Senior Democratic Services Officer

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Executive Summary

An update on the appointment of two new Board members to fill the vacancies following the resignation of L Green and P Lee as reported at the meeting on the 6th September 2021.

Recommendations

1. That the Board agree that Mr M Spinks replace Mr P Lee as the Board member representing the chemical manufacturer, Victrex, and recommend the appointment to the Lancashire Enterprise Partnership Board for formal approval.
2. That the appointment of Mr M Spinks as specified at 1 above, together with the appointment of Mr M Kenny from the AHSN Innovation Agency (to replace Ms L Green) as approved by the Board on the 6th September 2021, be presented to the Lancashire Enterprise Partnership Board on the 23rd November 2021 for consideration and formal approval.

Background and Advice

As reported at the meeting on the 6th September 2021 there are two vacancies on the Innovation Board following the resignation of the health representative from the AHSN Innovation Agency, and the representative from the chemical manufacturer, Victrex.

At that meeting the Board was provided with information about a replacement nomination from the AHSN Innovation Agency and noted that to date no such nomination had been received from the Victrex.



The Board subsequently resolved:

- To thank Lorna Green and Pete Lee for their contributions to the work of the Innovation Board since its creation.
- To agree that Mike Kenny, from the AHSN Innovation Agency, replace Lorna Green as the Board member representing the health thematic seat and recommend his appointment to the LEP Board for formal approval.
- That the Chairman work with officers to identify a suitable nomination from Victrex to replace Pete Lee as the manufacturing thematic seat and present details to the Board for consideration and, if suitable, recommendation to the LEP Board for approval.

As the Innovation Board met on the day before the LEP Board it was not possible at that time to have Mr Kenny's appointment approved and so the intention is (provided that the Innovation Board agree the nominee from Victrex) to present both recommended appointments to the LEP Board on the 23rd November 2021 for formal approval.

In accordance with usual practice the nominee's CV has been vetted by Officers in collaboration with the Chairman of the Board. Officers have been in touch with Mr Spinks who has accepted his provisional nomination, subject to formal approval by the LEP Board. Both Mr Spinks and Mr Kenny can attend the Innovation Board as observers until such time as they are formally appointed.

The biography below provides some background relating to Mr Spink's employment and is presented for the information of Board members.

Matt was born and raised in the South East and having secured a degree in Economics and Politics moved to the North West in 2001 to pursue a career in Finance, becoming a CIMA qualified accountant in 2005.

He worked for a number of organisations across the North West in roles that increasingly lay on the boundary of classical Finance, with roles within the Global Retail & Commercial Bank at Barclays including contract management, outsourcing, insourcing and Technology Project Portfolio management.

He joined Victrex in 2012, initially in Finance where he was responsible for compiling the Group-wide 5-year strategic plan and led financial aspects of a number of M&A transactions that included minority investment, full acquisition and establishment of a Joint Venture. During this time he was also instrumental in establishing an innovation portfolio management process across the Group. Having transitioned to Product Management in 2016, Matt gained diverse experience ranging from oversight of Industrial and Medical Polymers and Compounds, to management of disruptive new product lines in downstream medical devices. In his current role as Head of Product Management, he leads a global team responsible for management of the entire Victrex product range.

If both appointments are approved by the LEP Board the membership of the Innovation Board will be as follows:

Graham Baldwin	Chair	UCLan
Claire Whelan	Deputy Chair	(Corporate & Finance)
Tony Attard OBE	Co-opted LEP Member	(Corporate & Manufacturing)
Melissa Conlon	Skills & International Rep	AMRC NW
Rick Holland	UK RI Rep	Innovate UK
Dion Williams	Universities Rep	Lancaster University
Natalie Jones	Research & Science Rep	Engineering & Physical Sciences Council
Jane Binnion	Start-up, Micro & SME Rep	Growing Club Ltd
Jane Dalton	Strategy & Branding Rep	Groundswell Innovation Ltd
Michael Kenny	Thematic - Health & Life Sciences	Innovation Agency (AHSN)
Lindsay Roche	Thematic - Energy & Environment	Westinghouse Ltd
Matthew Spinks	Thematic – Manufacturing & Construction	Victrex Ltd
Michael Gibson	Thematic – Digital and Technology	Miralis Data Limited
Gaynor Dykes	Thematic - Professional & Services	Grant Thornton
Judson Smythe	Thematic – Manufacturing & Construction (additional)	MGS Plastics Limited

List of Background Papers

Paper	Date	Contact/Tel
N/A		

Reason for inclusion in Part II, if appropriate
N/A



LEP - Lancashire Innovation Board

Minutes of the hybrid Meeting held on Monday, 6th September, 2021 in the Savoy Suite at The Exchange, County Hall, Preston, starting at 10.30am

Present:

Graham Baldwin - Chair

Tony Attard OBE DL	Michael Gibson*
Jane Binnion	Rick Holland
Melissa Conlon	Natalie Jones*
Jane Dalton*	Judson Smythe
Gaynor Dykes	Dion Williams*

* denotes that attendee dialled into the hybrid meeting via Zoom.

Observer

Mike Kenny MSc Commercial Director, Innovation Agency North West Coast.

In Attendance:

Andy Walker, Head of Business Growth, Business and Innovation, Economic Development, Lancashire County Council.

*Maya Ellis, Innovation and Digital Lead, Business and Innovation, Economic Development, Lancashire County Council.

Matt Wright, Lancashire Universities Innovation Manager, Business and Innovation, Economic Development, Lancashire County Council.

Vanessa Robinson-Hoy Senior Project Officer, Business and Innovation, Economic Development Lancashire County Council.

Sarah Kemp, Chief Executive, Lancashire Enterprise Partnership.

Mike Neville, Senior Democratic Services Officer, Lancashire County Council.

1. Welcome and apologies.

The Chair welcomed those present to the first physical meeting of the Innovation Board and acknowledged those participants who were dialling into the hybrid meeting via Zoom. Apologies were presented on behalf of Lindsay Roche.

2. Update on Board Membership

It was reported that two Board members had moved into new career roles that required them to resign their positions on the Board. The Board was provided with information about a replacement nomination from the AHSN Innovation Agency and noted that to date no such nomination had been received from the chemical manufacturer, Victrex.

Resolved:

1. That the Board thank Lorna Green and Pete Lee for their contributions to the

work of the Innovation Board since its creation.

2. That the Board agree Mike Kenny, from the AHSN Innovation Agency, replace Lorna Green as the Board member representing the health thematic seat and recommend his appointment to the LEP Board for formal approval.
3. That the Chairman work with officers to identify a suitable nomination from Victrex to replace Pete Lee as the manufacturing thematic seat and present details to the Board for consideration and, if suitable, recommendation to the LEP Board for approval.

3. Declarations of Interests

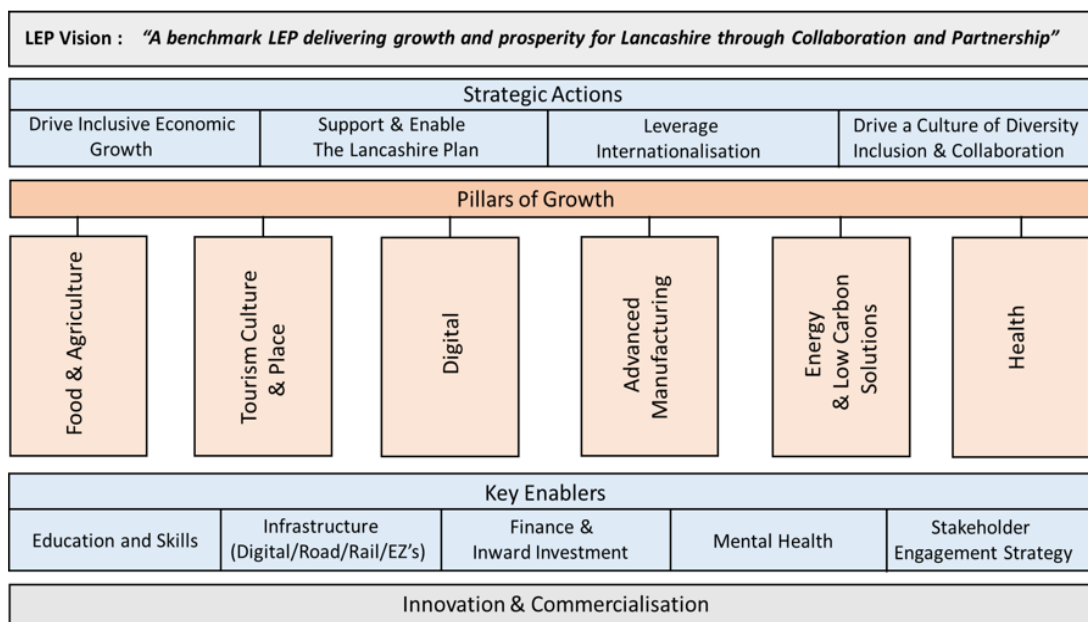
No declarations of interest were made at this point in the meeting.

4. Minutes of the last meeting

Resolved: That the Minutes of the meeting held on the 7th June 2021 are confirmed as an accurate record and signed by the Chair.

5. Update on Innovation Strategy (UK and local)

Sarah Kemp, the Chief Executive of the Lancashire Enterprise Partnership, gave a presentation on the strategic framework and the relationship between the strategic actions, Pillars of Growth and Key enablers.



She reported that the response to the pandemic had varied across sectors and at different times with nuclear having had little impact whereas manufacturing and retail had been significantly affected in terms of the supply chain, markets, and employees. Food/agriculture had recovered relatively quickly and had been more impacted by the implications of Brexit. With regard to Sector Groups Sarah reported that plans had been published in relation to aerospace and energy/low

carbon and that digital and food/agriculture would be the next plans to be published.

Matt Wright, Lancashire Universities Innovation Manager gave a presentation which updated the Board on the work to map innovation across Lancashire and identify clusters. He reported that following the initial identification phase the LEP would now seek to engage with individual companies and begin to gather more information which could then be divided into themes and sub themes e.g. Manufacturing – construction and textiles or Digital – Elec Tech. During the discussion it was suggested that a check be made to ensure that all Sector Groups used and understood the same terms when looking at innovation to ensure that the information gathered was comparable. It was also proposed that information regarding successful grants applications to the Engineering and Physical Sciences Research Council could be used to identify areas for future engagement.

Resolved:

1. That the presentations given at the meeting be circulated to Board members outside of the meeting for future reference.
2. That the Board recognise the progress to date on the development of the Lancashire Innovation Strategy and continue to receive regular updates in the future.
3. That the Board seek to shape its understanding/definition of innovation moving forward and identify key priorities.

6. Innovation Plan Refresh

Maya Ellis, Innovation and Digital Lead, gave a presentation and oral update on the next stages in refreshing the Lancashire Innovation Plan which would identify the economic role and contribution of innovation in the local economy and assess how the innovation infrastructure within Lancashire could be enhanced/deployed in order to drive productivity improvements in response to local/national policy priorities. She reported that the Final Plan would include an evaluation of key outcomes, determine new preferences/priorities, refresh key sectors, specialisations and strengths and provide a refreshed database of innovation assets across Lancashire.

In discussing the presentation Board members made the following comments:

- The innovation infrastructure/enablers and assets within Lancashire need to be defined in order to ensure that the Strategy was delivered.
- SMEs needed to be able to access infrastructure around developing ideas but also with regard to finance, R&D tax credits and access to support from Universities or Boost.
- Establishing a progression route, where support was provided at different

stages, would help to support innovators.

Maya also informed the Board that the workshop proposed for the 9th September 2021 had been abandoned though the one on the 20th September would still go ahead and Board members would be given further opportunities in the future to contribute to the refresh of the Innovation plan.

Resolved: That an updated copy of the presentation given at the meeting be circulated to all Board members for information outside of the meeting.

7. Innovation Festival 2021 Update

Matt Wright, Lancashire Universities Innovation Manager, updated the Board on arrangements for the Innovation Festival which was due to be held from the 4th to the 8th October 2021.

He reported that the Festival would be a hybrid event with activity being live streamed from various locations across Lancashire with each day focussing on specific area – digital, health, social innovation, manufacturing and low carbon. Matt also highlighted gaps where hosts had not yet been identified for some of the planned activity across the Festival and Board members were encouraged to suggest possible hosts and publicise the festival through social media and their existing networks.

Resolved:

1. That the current arrangements for the Innovation Festival on the 4th to 8th October 2021, as set out in the report presented, are noted.
2. That the power supply issue at AMRC be explored further and if necessary an alternative venue identified for the manufacturing activities planned for the 7th October 2021.

8. Spotlight Reports

Social Innovation - Jane Binnion informed the Board:

- That whilst the UK was ranked 5th in relation to Growth Domestic Product it had fallen from 12th to 20th in the social progress index and that UK social mobility had come to a halt in 2014.
- The biggest pay gap within the UK population was between the highest and lowest paid women.
- Petty theft was the main reason why women were imprisoned and the cost of keeping a woman in prison was £30,000 per annum and £56,000 per annum to keep her child in care.

Jane added that there was a lack of imagination and will to tackle the issue and that people needed to be given an opportunity to secure decent work (rather than

employment) in order that they could rise out of poverty and cease to be reliant on benefits. Rick Holland thanked Jane for the presentation on what was an important issue and informed the Board that on the 4th October 2021 a competition would be launched where £50,000 grants would be offered for projects aimed at innovation which would tackle social innovation.

The Food Cluster – Jane Dalton gave a presentation on the work of the Food Cluster.

Jane reported that the Cluster involved a Core Team who would work with various partners, including Marketing Lancashire and the Lancashire Enterprise Partnership, to build an ecosystem approach encompassing farming, food production and health outcomes. The Food Cluster would seek to identify existing projects within the sector and fill any gaps, embracing all of Lancashire and the full range of food production and moving away from the hierarchy of 'good food'.

Jane reported that a live cook-along and discussion panel around healthy eating was planned on the 6th October 2021 as part of the Innovation Festival with a quarterly programme of post Festival activity being developed. Judson Smythe confirmed that following initial discussion with Jane he had been in contact with a colleague in South Africa who was developing an process to produce a viable cellular agriculture system to produce an alternative to meat.

Resolved:

1. That Jane Binnion and Jane Dalton be thanked for their respective presentations on social innovation and the work of the Food Cluster.
2. That the Board be kept informed of further development in both areas, particularly with regard to the response to the competition to award grants to support social innovation.

10. Any Other Business

Mr Attard informed the Board that a 'Future Makers Hub', which would identify innovators and link them with young people who could be mentored and developed as future innovators was being developed as part of the Lancashire bid for City of Culture 2025.

Resolved: That Matt Wright discuss the 'Future Makers Hub' with Ms D Lander, the Bid Director from Lancashire 2025 and see if the proposed programme can be supported/promoted as part of the developing innovation strategy for Lancashire.

9. Date of next meeting

The Chair thanked all participants for their contributions to the meeting and noted that the next scheduled meeting of the Board would be held at 10.30am on the 15th November 2021 at County Hall, Preston.



LEP – Sub Committee

LEP - Lancashire Innovation Board

Private and Confidential: NO

Date: Monday, 15 November 2021

Innovation Plan Refresh - Progress Update

**Report Author: Matt Wright,
Matthew.Wright@lancashirelep.co.uk**

Executive Summary

Steer Consultants have been engaged to develop and deliver a workplan to refresh the current Lancashire Innovation Plan in order to meet new socio-economic conditions as well as the latest Government and local policy.

The Board and officers organised a workshop to scope the brief with a sub-group of members so that the consultants could develop a workplan. A presentation will be delivered by Steer giving feedback on the workshop and the proposed workplan going forward.

Recommendations

1. To receive a report from Steer Consultants on outputs from the recent workshop at which members scoped the Innovation Plan refresh and to set out a proposed workplan.
2. To agree that, through the Chairman, Board members provide feedback and approve the next stages of the workplan for officer, member and stakeholder involvement.

Background and Advice

The current *Lancashire Innovation Plan* was developed in 2017 with the assistance of Steer Consultants, to align with the previous governments emerging National Industrial Strategy with a strong emphasis on innovation as a driver of productivity.

It provided a route map for innovation and the evidence base for five strategic aims with the objective to set a direction of travel for a LEP-led partnership approach by setting up an Innovation Board. Many of the initial actions set out in that plan have



been instituted thus requiring a refresh of actions for a new post-Covid and post-Brexit landscape.

More recently the LEP also worked with Steer Consultants on a Local Industrial Strategy (LIS) and members of the Innovation Board considered the Innovation Chapter of the LIS as a starting point for a new LEP Innovation Strategy and from that a refreshed Innovation Plan.

At the Innovation Board in September 2021, Sarah Kemp, the Chief Executive of the LEP and Matt Wright as LEP Innovation Lead, expanded further on this with the key missions and clusters central to a future strategy for the county following the release of the UK Innovation Strategy from the current Government.

This work highlighted the importance of the LEP Sector Groups, emerging technology clusters and four Missions uniting and cross-fertilising Lancashire's related Industry 4.0, Security and Resilience strengths, as follows:

- Cyber, Digital & Secure Systems
- Advanced Mobility & Manufacturing
- Clean and Sustainable Growth
- Healthy Productive Communities

Each of those mission areas is now building out with interlinked initiatives and opportunities whether locally grown or targeted from inward investment insights and potential. Board members will have input into shaping some of those locally grown initiatives in other agenda items in this and subsequent meetings.

The Innovation Plan refresh will build on this local policy direction and review the 2017 plan, evaluating its outcomes and any changes in the socio-economic landscape using desk and fieldwork. A workplan will enable stakeholders to calibrate new priorities, revisiting specific strengths and the contribution of innovation assets to those new measures in order to set out a revised Innovation Plan for the Innovation Board.

These new indicators and performance measures will help the Board to steer and guide delivery going forward.

List of Background Papers

Paper	Date	Contact/Tel
N/A		
Reason for inclusion in Part II, if appropriate		
N/A		



LEP – Sub Committee

LEP - Lancashire Innovation Board

Private and Confidential: NO

Date: Monday, 15 November 2021

Innovation Observatory Progress Report (Appendix A refers)

Report Author: Matt Wright,
Matthew.Wright@lancashirelep.co.uk

Executive Summary

A presentation will be delivered to the Board on a database and mapping function for our clusters that has been created internally by the LEP and an update on the proposed target audience, the brief and development method and timescales for a web site building on work to date.

Recommendations

1. The views of the Board are requested in relation to the presentation and report on progress with planning the content for a web platform for the Innovation Board.
2. To approve the next stages to commission a prototype web platform that stakeholders can test and refine.

Background and Advice

The Innovation Board in previous meetings gave approval for officers to plan and develop a web site (termed an Observatory) which would enable stakeholders to have improved visibility and navigation of innovative clusters of businesses and assets and encourage collaboration around missions and challenges.

This would promote what Lancashire has to offer, provide for a much more systematic level of engagement and enable the Board to highlight and regularly feed in relevant opportunities and funding sources around which innovative organisations can further cluster, encouraging increased R&D

Stakeholders, mainly from the public sector, needing to understand, plan and optimise the delivery of innovation support and engage with businesses around



opportunities have not had a comprehensive and detailed picture of the clusters of innovative businesses in the county.

Ensuring that the many challenges and funding opportunities (such as those from IUK) were directed to relevant businesses and that partnership contacts were initiated, continues to be piecemeal and not sufficiently timely. Given the geographical spread of the county and the relatively small innovation team coordinating activity, it was identified that a database and mapping function would be a first step in addressing this problem.

It was also identified that additional tools could be relatively easily added to a web platform such as a feed of IUK and other Govt opportunities so that this information could be aligned to relevant clusters and the right connections explored and curated by those wishing to support innovation in the county. This was envisaged as a first step to enhance connectivity and lead to further face to face activity through our wider network but not as a substitute for expert connector relationships.

With such a web site established for primary stakeholder use it was also identified that it would raise visibility and promotion of the county and that other permissions could be provided. For example businesses would be able to interrogate the site should they wish to do so or when involved in partnership discussions/social media connections and other stakeholders could also have visibility of what Lancashire has to offer. This could provide additional functionality to support downstream networking activities, events and enhance collaboration.

Research and consultation, principally through a piece of work commissioned from FutureGov by Lancashire County Council into the wider innovation needs of stakeholders, highlighted a number of key issues:

- There was a primary need amongst the business support organisations for improved visibility of clusters and opportunities
- This would need to be tested with a simple prototype and then other functions added on the basis of further testing with secondary stakeholders
- There would need to be clear identification of those responsible for keeping it up to date and it should be part of a wider client journey/engagement process

On the basis of the work done to date the LEP tasked an intern from Lancaster University with creating a database and mapping function and a working group comprising officers from both the LEP and County Council is meeting fortnightly to progress the brief for a Lancashire based web developer who can develop a site in two phases.

The first phase will build on the activity by the working group and create a prototype or beta site for stakeholders to test and refine while a second phase will develop additional functionality based on these trials. The budget for this work is less than £10,000 and already allocated from LCDL funding with delivery in this financial year. The target is to launch the prototype site in January/February 2022.



List of Background Papers

Paper	Date	Contact/Tel
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N/A

Reason for inclusion in Part II, if appropriate

N/A



Mapping Innovative Businesses In Lancashire

Summary for Lancashire Enterprise Partnership Team Meeting
15 September 2021



INTRODUCTION

Introduction

- ▶ To support LEP activity, a dataset of innovative businesses in Lancashire which are part of the LEP's priority sectors is being developed.
- ▶ This short presentation aims to outline how this dataset has been created so far, and explain how this is expected to evolve over time. A more detailed set of 70 slides containing the exact systematic process used to collect the data and summaries of it is available on request.
- ▶ The following slides will first look at how data has been collected and collated, before a short walkthrough of the dataset and its summaries are provided.
- ▶ All of the following has been created by Nathan Shoesmith, reporting to Matt Wright.



SOURCES

Systematic Process

- ▶ A systematic process has been used to gather data for this dataset. The following sources have been explored to gather data (exact sources may differ by sector);
 - ▶ Innovate UK funding data since 2004
 - ▶ ERDF/ESF funding data
 - ▶ Search of companies with related SIC codes
 - ▶ Search of companies in related sectors
 - ▶ Beauhurst/Fame Databases
 - ▶ Google Advanced Search
 - ▶ Local Centres/Hubs
 - ▶ Sector Group Membership List
 - ▶ Local Knowledge
- ▶ Following initial data collection, the returned results have then been researched, in most cases individually, to check if the businesses still operate in Lancashire, are active and can be deemed as innovative.



Defining Innovation

- ▶ The term ‘innovation’ is subjective. As such, this dataset does not promise to include every single business that someone may deem to be innovative. The dataset is also a working document - businesses may be added or removed as they are discovered or deemed to be innovating.
- ▶ Innovation does not come in one set form, so to avoid missing large numbers of businesses out, a set definition of innovation has not been used for this dataset. However, the following are indicators of innovation used as part of thinking when judging whether or not a business is innovative;
 - ▶ 1. Collaboration - Engaging and collaborating with outside organisations on R&D e.g. IUK, Universities, Institutes, other companies.
 - ▶ 2. Processes - Using up to date technology in the business, re-engineering processes and ways of working e.g. digitalised, new equipment, novel business models etc.
 - ▶ 3. Structures - Having a structure for innovation e.g. a person who is responsible/allocated to the issue, new product plans, idea generation processes, workshops.
 - ▶ 4. Financials - Defining financial inputs and outputs of Innovation e.g. claiming R&D tax credits, having a budget for innovation, increasing revenue from new products/services, accessing tech equity and tech grants etc.
 - ▶ 5. Intellectual property - owning knowledge that is unique to the company or products that is reproducible, protectable and aligned to markets.



DATA COLLATION

Initial Fields

The below are fields that are currently recorded for each innovative business in the dataset.

- ▶ Identifier
 - ▶ ID
 - ▶ Business Name
- ▶ Innovative Area
 - ▶ Cluster
 - ▶ LEP Priority Sector
 - ▶ Nature of Business (short description)
- ▶ Locality & Authority
 - ▶ Enterprise Type
 - ▶ Authority
 - ▶ Postcode
 - ▶ Registered in Lancashire
- ▶ Database and Source Info
 - ▶ Source
 - ▶ IUK Funding
 - ▶ Exporter Status



OUTPUTS

Collected Data

- ▶ The collected data has been included in a spreadsheet, which can be filtered to help find businesses - i.e. businesses under the Wyre local authority in X sector that are exporters.
- ▶ A screenshot of the dataset can be viewed below.

Identifier		Innovative Area			Locality and Authority				Database and Source Info			Ot
ID	Business Name	Cluster	LEP Priority Sector	Scope of Business	Enterprise Type (es)	Authority	Postcode	Registered in Lanc	Source	IUK FUNDIN	EXPORT	DEEP TECI
1	Miralis Data Limited	Clean Tech/Green	Energy and Low Carbon	Electric charging solutions	Small	Lancaster	LA1 4XQ	Yes	Local Knowledge	No	No	Yes
2	Assystem Energy and Infrastructure Limited	Nuclear	Energy and Low Carbon	Renewable energy etc.	Large	Blackburn with Darwen	BB1 2FD	Yes	Innovate UK	Yes	Yes	Yes
3	Oaktec Limited	Nuclear	Energy and Low Carbon	ns in fuel efficiency and emissions re	Micro	Wyre	PR3 5AH	Yes	Innovate UK	Yes	No	Yes
4	Lancaster Cohousing Company Limited	Clean Tech/Green	Energy and Low Carbon	Eco-housing	Small	Lancaster	LA1 3AQ	Yes	Innovate UK	Yes	No	No
5	West & Company	Clean Tech/Green	Energy and Low Carbon	novation consultants, including ener	Micro	Wyre	PR3 1LY	No	Innovate UK	Yes	No	No
7	Precision Polymer Engineering Limited	Clean Tech/Green	Energy and Low Carbon	Engineering	Medium	Blackburn with Darwen	BB1 3EA	Yes	Innovate UK	Yes	Yes	No
8	Intouch Ltd	Clean Tech/Green	Energy and Low Carbon	Flood management and prevention	Small	Lancaster	LA4 4ET	Yes	Innovate UK	Yes	No	Yes
9	Studsvik UK Ltd	Nuclear	Energy and Low Carbon	Graphite solutions	Large	Wyre	PR5 6UP	Yes	Innovate UK	Yes	No	Yes
10	Pilkington United Kingdom Limited	Clean Tech/Green	Energy and Low Carbon	Various solutions	Large	West Lancashire	L40 5UF	Yes	Innovate UK	Yes	Yes	No
11	NSG Environmental Limited	Nuclear	Energy and Low Carbon	Nuclear solutions	Large	Chorley	PR7 1NH	Yes	Innovate UK	Yes	No	Yes
12	Victrex Manufacturing Limited	Nuclear	Energy and Low Carbon	Renewable energy devices	Large	Wyre	FY5 4QD	Yes	Innovate UK	Yes	Yes	Yes
13	Vital Energi Utilities Limited	Clean Tech/Green	Energy and Low Carbon	Low carbon tracking	Large	Blackburn with Darwen	BB1 2LD	Yes	Innovate UK	Yes	Yes	Yes
14	Westinghouse Electric Company UK Limited	Nuclear	Energy and Low Carbon	Nuclear solutions	Medium	Fylde	PR4 0XJ	Yes	Innovate UK	Yes	Yes	Yes
15	Graham Engineering Limited	Nuclear	Energy and Low Carbon	Renewable energy	Medium	Pendle	BB9 8SY	Yes	Innovate UK	Yes	Yes	Yes
16	Hybrid Instruments Limited	Clean Tech/Green	Energy and Low Carbon	Analysis products	Micro	Lancaster	LA1 4YW	Yes	Innovate UK	Yes	Yes	No
17	Entrust Microgrid LLP	Clean Tech/Green	Energy and Low Carbon	Smart home microgrids	Micro	Lancaster	LA1 2TH	Yes	Innovate UK	Yes	No	Yes
18	Lancaster University	Clean Tech/Green	Energy and Low Carbon	Multiple	Academic	Lancaster	LA1 4YX	Yes	Innovate UK	Yes	No	No
19	Rinicom Limited	Clean Tech/Green	Energy and Low Carbon	Communications and intelligence	Small	Lancaster	LA1 2RX	Yes	Innovate UK	Yes	Yes	No
20	Digital Look Limited	Clean Tech/Green	Energy and Low Carbon	Water market platform	Small	Lancaster	LA1 1XB	Yes	Innovate UK	Yes	No	No
21	Mapsar Limited	Clean Tech/Green	Energy and Low Carbon	Transition to low carbon	Micro	Ribble Valley	BB7 4SZ	Yes	Innovate UK	Yes	No	No
22	Stopford Energy and Environment Limited	Nuclear	Energy and Low Carbon	Environmental innovations	Small	Lancaster	LA1 4YQ	Yes	Innovate UK	Yes	No	No
23	Centre for Global Eco-Innovation	Clean Tech/Green	Energy and Low Carbon	Eco-innovation centre	Academic	Lancaster	LA1 4YX	Yes	North West Coastal Science	No	No	No
24	UK Centre for Ecology and Hydrology	Clean Tech/Green	Energy and Low Carbon	Research	Academic	Lancaster	LA1 4YX	Yes	it Coastal Science and Innov	No	No	No
25	Centre for Waste Management (CWM)	Clean Tech/Green	Energy and Low Carbon	ncy and environmental performance s	Academic	Preston	PR1 2HE	Yes	it Coastal Science and Innov	No	No	No
26	The Demand Centre	Clean Tech/Green	Energy and Low Carbon	Research and energv partnershio	Academic	Lancaster	LA1 4YX	Yes	it Coastal Science and Innov	No	No	No



OUTPUTS

Statistics

- ▶ The collection of data also allows the output of estimated statistics via Beauhurst. For example, the below statistics are for innovative businesses in the energy and low carbon sector in Lancashire.
- ▶ These statistics are estimated and may include some business activity completed by Lancashire based-businesses outside of the county.

£952m

TOTAL TURNOVER IN LATEST
FINANCIALS

£95.2m

AVERAGE TURNOVER

5,795

ESTIMATED TOTAL EMPLOYEES

251

ESTIMATED AVERAGE EMPLOYEES



OUTPUTS

Mapping

- ▶ Detailed mapping has been created from the dataset, with each business being added to a map, by their sector.
- ▶ The below is an example from the Energy and Low Carbon sector.





OUTPUTS

Mapping

- ▶ Detailed mapping has been created from the dataset, with each business being added to a map, by their sector.
- ▶ The below is an example from the Energy and Low Carbon sector.



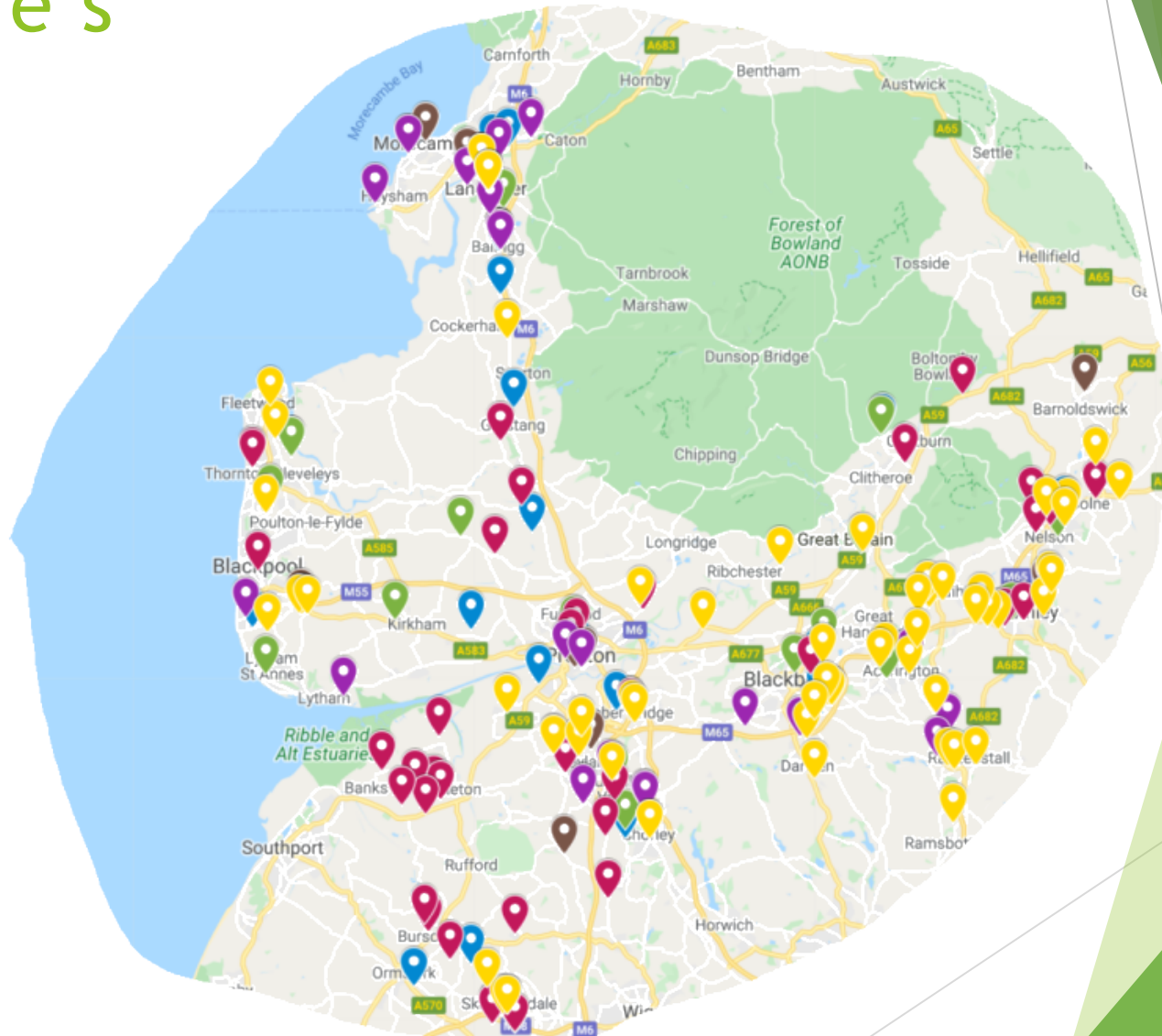


OUTPUTS

Map of Lancashire's Innovative Businesses

Map of locations of businesses in Lancashire by available postcode, as per recorded data.

(Also available as a KML file and through interactive maps - made with Google My Maps).



- Key:**
- Tourism, Culture and Place
 - Advanced Manufacturing
 - Energy and Low Carbon
 - Digital
 - Health
 - Food and Agriculture



Next Steps & Data Evolution

- ▶ There are multiple opportunities to utilise the summaries and mapping in this presentation and associated datasets. It is hoped that together, these can help to inform future strategic activity.
- ▶ An expansion of the fields in the spreadsheet of innovative businesses could be carried out without the need for any great resources in order to help more parts of the LEP team - for example, looking at whether the collated innovative businesses currently export internationally has already been added to the spreadsheet to support work around the internationalisation strategy.
- ▶ While attempts have been made to make the datasets as complete as possible, this presentation has recognised that data will evolve over time and completeness may be limited somewhat due to the subjective nature of defining innovation.
- ▶ All priority sectors now have a good level of coverage following the use of the systemic processes outlined in this presentation. Conversations with stakeholders are already underway to help make additions to the datasets - a list of stakeholders to consider contacting has been listed in the main associated spreadsheet. Data validation and sense-checking using FAME and other automated and manual methods is also being worked on.
- ▶ The formats of the datasets and maps have been designed in such a way to make additions and reductions as simple as possible, recognising the need for the data to evolve over time.



Questions?

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Lancashire
Enterprise Partnership

This presentation and associated dataset was originally created in September 2021.



LEP – Sub Committee

LEP - Lancashire Innovation Board

Private and Confidential: NO

Date: Monday, 15 November 2021

Spotlight Member Reports

**Report Author: Matt Wright,
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Executive Summary

At the Innovation Board in September 2021 the Chairman introduced the first of a series of spotlight reports from individual Board member organisations these being in relation to Social Innovation and the development of a Food Cluster.

Spotlight reports are a key opportunity for member organisations to highlight important areas of work of relevance to the Innovation Board and enable initiatives to be shared with support provided across sectors for Innovation Strategy propositions that can be developed in the interests of the Lancashire economy.

Recommendation

To receive and note the member spotlight reports presented at the meeting and advise of any partner opportunities arising from the reports that can further enable their development.

Background and Advice

At the Lancashire Innovation Board in September 2021 the Chairman initiated a slot for the first of a series of spotlight reports from member organisations and a report was received on Social Innovation and on the development of a Food Cluster.

This approach was received well as it enabled greater engagement around items from members of the Board and a focus on relevant and timely issues connected with the wider agenda. Those members who engaged with the presentations were keen to allocate slightly more time to this section of the agenda and this feedback has been noted.



At this meeting the Board will receive three Spotlight reports as follows:

- A report from Westinghouse by Lindsay Roche on the Clean Energy Technology Park and opportunities in the nuclear cluster arising from a working group working with the LEP.
- A report from UCLan by Prof Darren Ansell on the opportunity for developing an Unmanned Aerial Systems (UAS) cluster and work to date with stakeholders and partner opportunities going forward.
- A report from Innovate UK by Rick Holland on a proposed Cluster event to be trialed across Lancashire and Cumbria building on work with the Electech sector and feeding into UK Innovation Strategy plans.

All three reports link with the Lancashire LEP Innovation Strategy aligning with the:

- Energy and Low Carbon Sector Group and the nuclear cluster working group focused on the Clean Growth Mission.
- Manufacturing Sector Group and Aerospace Task Force relating to UAVs and the joint LEP-NW Space Sector Strategy, both focused on the Advanced Mobility Mission.
- Digital Sector and Electech Cluster and joint IUK work focused on developing Lancashire clusters and capabilities in line with the UK Innovation Strategy.

List of Background Papers

Paper	Date	Contact/Tel
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N/A

Reason for inclusion in Part II, if appropriate

N/A