



CITY REGION DEAL

Edinburgh
& South East
Scotland

ANNUAL REPORT 2021 – 2022





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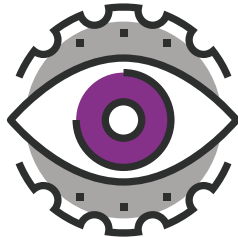


Executive Summary

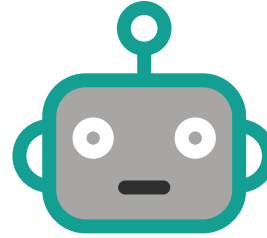
Key Achievements



£58.1m of Government funding spent in 2021/22 – **£226m** (38% of total since 2018/19)



21 of the **23** projects now in **Implementation** or **Delivery** phase



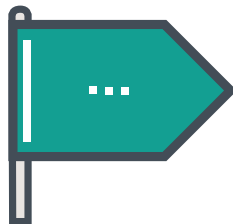
Construction of **£22.5m National Robotarium** complete.



46,000 public engagements with Easter Bush Science Outreach Centre



6 new **data-driven Masters programmes** launched at Edinburgh Futures Institute



73 **data output projects** delivered by DataLoch



IRES programme has **improved the skills of 18,000 people** and helped 620 people into work



£82,000 of **Data Skills Credits** awarded, benefiting 264 learners



Construction of 75 net zero carbon homes began in Granton Waterfront



350 mid-market rental homes have been **completed** through Edinburgh Living



Executive Summary

Timeline



£3m awarded to the Region through the Bus Partnership Fund



Green Skills research completed by Labour Market Analysis & Evaluation programme



ESEScommunities.org launched as a portal to assist in delivering for community benefits across the programme



Granton Waterfront Regeneration Outline Business Case approved by Joint Committee



Independent global data institute for child safety established (supported by Edinburgh Futures Institute DDI programme)



Short videos produced raising awareness of the **DDI** and **HCI** Skills Gateways



Commencement of the Junction Works for Edinburgh Innovation Hub (Queen Margaret University)



Proud to Care videos and campaign launched to attract staff to the Health and Care sector



Business Case for Dunard Centre approved by Joint Committee



Regional Prosperity Framework for Delivery complete, which will be a catalyst for Regional Prosperity



Joint Committee **endorsed the Forth Green Freeport** bid to boost innovation and inclusive growth within our communities



Topping out ceremony for Usher Institute



Executive Summary

Video Highlights

A showcase of the diverse and innovative initiatives supported by the Edinburgh and South East Scotland City Region Deal, featuring the people and organisations behind the projects, their delivery partners across the region, and those who are benefiting.

Gaelic Speech Recognition Tool

The award-winning Speech Recognition Tool for the Gaelic language received support through the City Region Deal's Data-Driven Innovation initiative. We caught up with Will Lamb from the University of Edinburgh and Margaret Cameron from MG Alba to hear how partnership working has helped the delivery of benefits from the project.



The International Severe Acute Respiratory Infection Consortium (ISARIC)

City Region Deal investment in supercomputing and data analytics is helping projects such as ISARIC4C, the largest study of hospitalised patients with Covid19. We spoke to Lucy Norris and Wilna Oosthuyzen from the University of Edinburgh to hear more about this life saving project.



Easter Bush Science Outreach Centre

Run by the Roslin Institute's Public Engagement team, the Easter Bush Science Outreach Centre is contributing towards City Region Deal goals of increasing data and digital skills in South East Scotland. Jayne Quoiani, Education & Engagement Officer at the Roslin Institute, and Amy Dixon, Education Manager for Early Years and Primary at SSERC, explain how they worked together to support primary staff and learners.



Creative Informatics

The ground breaking Creative Informatics programme is one of many projects that have received support through the City Region Deal's Data-Driven Innovation initiative. We caught up with Nicola Osborne from the University of Edinburgh and artist Andrew Brooks to hear more about how the programme is helping creative entrepreneurs in South East Scotland.



Job retention in the Scottish football industry

This partnership with many of Scotland's top football clubs received support through the City Region Deal's Data-Driven Innovation initiative. We caught up with Grant Jarvie from the University of Edinburgh and Sam Tanenbaum from Hibernian football club to hear how the project helped fans and clubs during the Covid19 pandemic.





Executive Summary

Dunard Centre

The creation of a new world-class performance venue in Edinburgh is underway. This dedicated new space for music and the performing arts will provide a hub for a wide variety of performance. We spoke to Emma Clark and her mum, Elaine Clark, about why they are excited to welcome this venue, and Gavin Reid, Chair of Impact Scotland, who explained what the region might expect from the Dunard Centre.



Intensive Family Support Service (IFSS)

IFSS is a regional service that takes a tailored, needs-led approach to supporting families experiencing multiple disadvantages. Kerry Jones, a family support worker from Fife Gingerbread explains more about the service whilst a family who has received support from IFSS tell us about the benefits they have experienced.



Integrated Employer Engagement (IEE)

Ellen Munro, Integrated Employer Engagement Manager, explains how the project supported employers with skills gaps and recruitment challenges through a targeted Health and Social Care training programme. Karen Feeley, a long-term unemployed, stay-at-home mum, also tells us how she overcame several barriers to secure employment after completing this programme and is now progressing to a senior position with a local Fife care provider.



Regional Community Wealth Building (CWB)

www.esescommunities.org, launched through the Integrated Employer Engagement Project, continues to link charitable and community causes to commercial suppliers to address the needs of local communities under the CWB agenda. This video tells the story of how Maxi construction, based in Livingston, provided cross regional food donations to the value of £2,000 to organisations in Edinburgh and the Scottish Borders, including Pennywell Pantry, Burnfoot Community Hub and Hawick Salvation Army.



The National Robotarium

Ross Clark, from Heriot-Watt University, and David Cairns, of Robertsons Central East, explain how the National Robotarium - one of six data-driven innovation hubs created through the City Region Deal - has made community outreach and the delivery of community benefits a big part of the Robotarium's construction and activities.





1. Forewords

Cllr Russell Imrie

Convener of the Edinburgh and South East Scotland City Region Deal Joint Committee

It is now four years since the Edinburgh and South East Scotland City Region Deal was signed, and we continue to make excellent progress in delivering the £1.4 billion programme in partnership. The regional partnership brings together six local authorities, four universities, six colleges and the Regional Enterprise Council – made up of business, social enterprise and third sector representatives from across the region.

With the approval of the business cases for the Edinburgh Innovation Hub and the Dunard Centre, 18 of the Deal's 20 projects are now being implemented. Greater detail about every project is in **Section 4**.

Short videos throughout the report highlight the positive impact that projects are already having on our residents' lives.

Building upon the Deal, a Regional Prosperity Framework was approved in September 2021, which identifies the strategic priorities where public and private investment would best drive the region forward in a sustainable and inclusive manner. A Delivery Framework will be considered in September 2022. You can read more about this regional collaboration in **Section 5**.

Beyond the Deal's projects, our regional cohesion and robust governance enables us to respond effectively to challenges and opportunities. Examples include:

Cllr Russell Imrie



- Developing a regional Bus Service Improvement Partnership to deliver £3.03m of regional bus improvements from the Scottish Government's **Bus Partnership Fund**.
- Joint Committee **endorsing the Forth Green Freeport** bid to boost innovation and inclusive growth within our communities.
- Contributing our regional perspective to key consultations including National Planning Framework 4; the National Strategy for Economic Transformation; and the Strategic Transport Projects Review 2.
- Establishing a series of regional propositions for the region's six local authorities to bid into together to the UK Government's **Shared Prosperity Fund** over the next three years.

For our local, regional and national wellbeing, we will continue to work in partnership to realise our ambitions for a strong and sustainable economic recovery, where the benefits are enjoyed by all.



1. Forewords

Claire Pattullo and Garry Clark

Chair and Vice Chair of Regional Enterprise Council

It has been a pleasure to reflect on the significant progress made in Year 4 of the Edinburgh and South East Scotland City Region Deal. The Regional Enterprise Council (REC) was formed in November 2018 to advise the Deal's decision-making body, the Joint Committee, on the delivery of projects across the city region and to encourage further investment opportunities. In directly participating on the Joint Committee, we represent business, social enterprise and wider third sector across the region and help to ensure that the benefits from the Deal support our shared ambition for achieving sustainable and inclusive economic growth throughout the city region. The REC has significant representation on the Elected Member Oversight Committee - which has shaped the ambition and strategic direction of the Regional Prosperity Framework which is the articulation of the next phase of the development of the regional economy.

REC members bring a broad range of experience, expertise and wide networks to best represent business, social enterprise and wider third sector across the city region.

We helped to develop the Regional Prosperity Framework vision in 2021 and have continued to help shape the related Framework for Delivery. The REC has influenced tourism and Community Wealth Building activity across the region, promoted good quality housing and sustainable communities and lent its advocacy to the Forth Green Freeport bid in June 2022.



Claire Pattullo
Edinburgh Social Enterprise Network



Garry Clark
Federation of Small Businesses

There was particular support for the bid's strong focus on quality jobs, upskilling, small business facilities and a 'Just Transition' away from hydrocarbons. This should help to both tackle inequalities and to achieve our net-zero carbon aspirations.

REC members have responded to presentations on the QMU Food and Drink Hub and the Dunard Centre business cases as well as being represented on the Integrated Regional Employability & Skills (IRES) Board where initiatives such as the **Proud to Care** campaign demonstrate the ability of IRES to be proactive in supporting the staffing crisis in the health and care sector.

The REC is particularly determined to promote the use of Community Wealth Building, to ensure that every Deal programme works together to maximise synergies. We therefore welcomed additional funding for the regional Community Wealth Building project focused on maximising community benefits via the **regional portal** and building an anchor network.

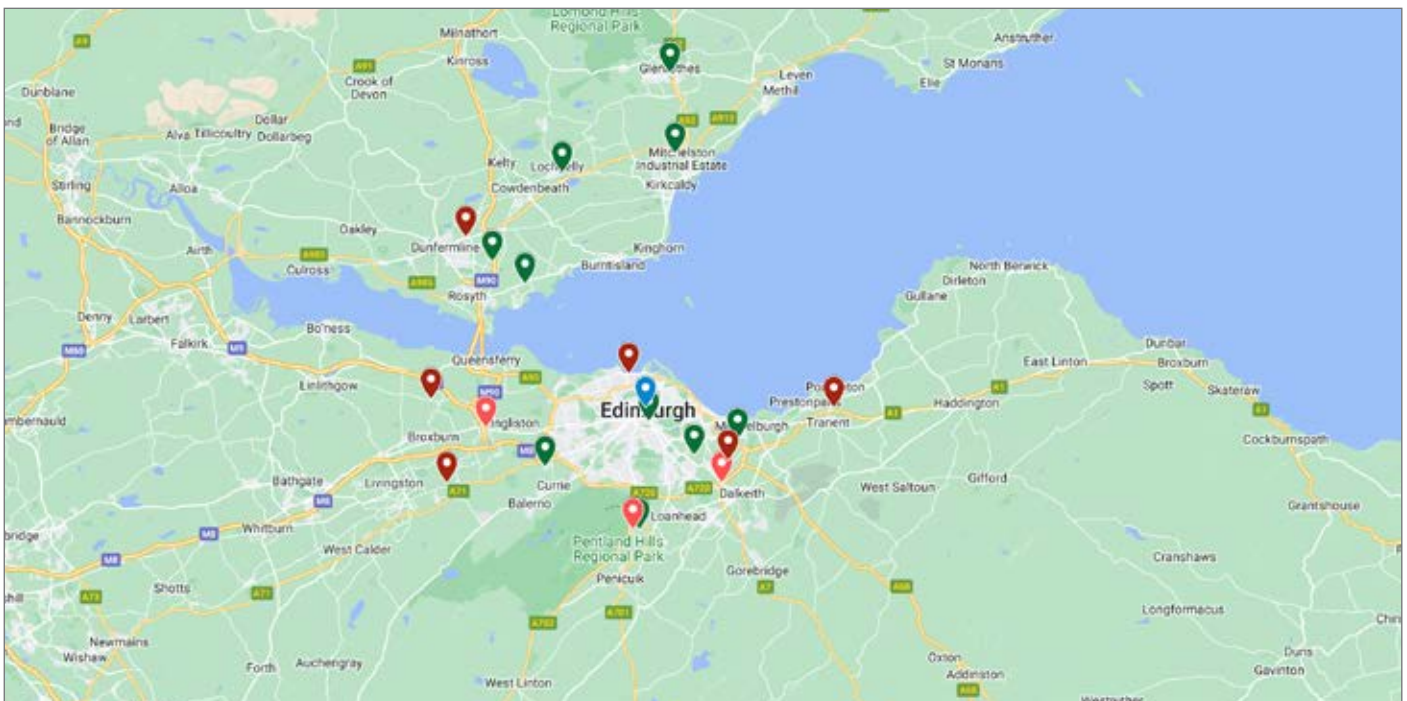
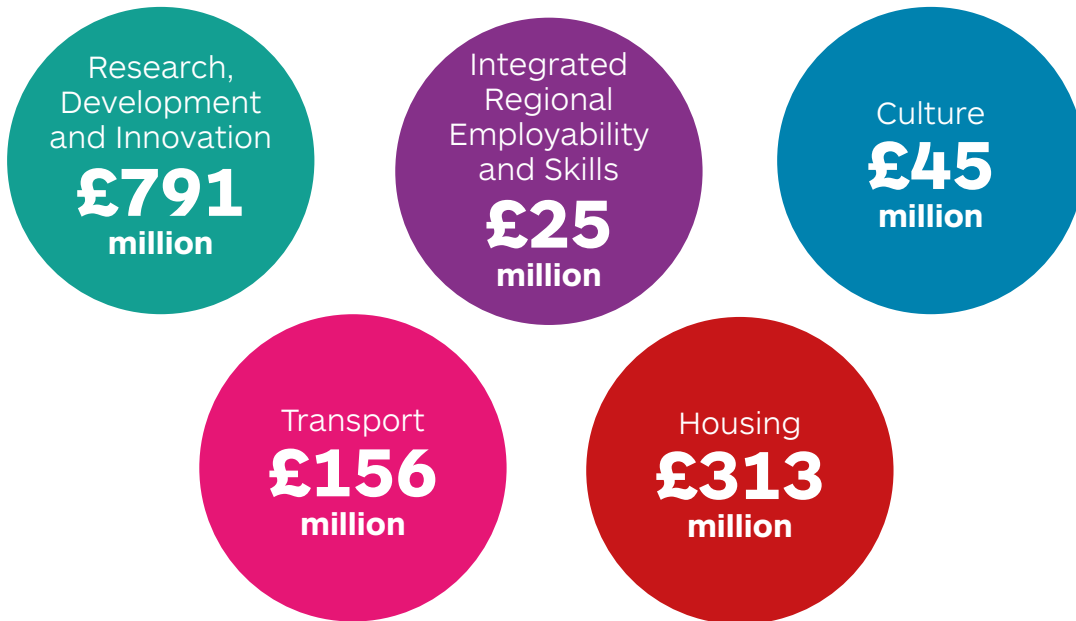
We look forward to promoting inclusive growth ambitions still further through both City Region Deal activities and wider regional collaboration.



2. City Region Deal Overview

Status of Projects and Finances

The Edinburgh and South East Scotland City Region Deal is a **£1.4 billion, 15-year programme** aimed at driving productivity and reducing inequalities through five key themes:



This map shows where the projects are located across the region

Integrated Regional Employability and Skills (IRES) activity spans across the whole City Region and is integrated into all projects.

- Research, Development and Innovation
- Transport
- Culture
- Strategic Housing Sites



2. City Region Deal Overview

The 23 City Region Deal projects are listed in the Table below. More detail on the projects, including their current status in **Section 4**.

Table 1: Status of Programmes and Projects – 1 April 2022

Theme/Programme/Project	Location	(Expected) Business Case Approval	Stage	On Time?	On Budget?
Research, Development and Innovation					
Edinburgh International Data Facility (Previously known as World Class Data Infrastructure)	Edinburgh/Midlothian	Dec 18	2. Implement		
Bayes Centre	City of Edinburgh	Dec 18	3. Deliver		
National Robotarium	City of Edinburgh	Dec 18	2. Implement		
Edinburgh Futures Institute	City of Edinburgh	Mar 19	2. Implement		
Usher Institute	City of Edinburgh	Sep 19	2. Implement		
Easter Bush	Midlothian	Mar 21	2. Implement		
Edinburgh Innovation Park (Food and Drink Innovation Hub)	East Lothian	Jun 21	2. Implement		
Fife Industrial Innovation Investment	Fife	Mar 19	2. Implement		
Borders Innovation Park	Scottish Borders	Mar 19	2. Implement		
Integrated Regional Employability and Skills	Cross-Regional	Dec 18			
Integrated Knowledge Systems	Cross-Regional	Jun 19	3. Deliver		
Labour Market Analysis and Evaluation	Cross-Regional	Jun 19	3. Deliver		
Integrated Employer Engagement	Cross-Regional	Jun 19	2. Implement		
Intensive Family Support	Cross-Regional	Mar 19	3. Deliver		
Data-Driven Innovation Skills Gateway	Cross-Regional	Mar 19	2. Implement		
Housing and Construction Infrastructure Skills Gateway	Cross-Regional	Mar 19	2. Implement		
Workforce Mobility	Cross-Regional	Jun 19	2. Implement		

Table continues overleaf



2. City Region Deal Overview

The 23 City Region Deal projects are listed in the Table below. More detail on the projects, including their current status in **Section 4**.

Table 1: Status of Programmes and Projects – 1 April 2022

Theme/Programme/Project	Location	(Expected) Business Case Approval	Stage	On Time?	On Budget?
Transport					
West Edinburgh	City of Edinburgh	Sept 23	1. Define		
A720 (Sheriffhall Roundabout)	Edinburgh/Midlothian	TBC	1. Define		
Culture					
Dunard Centre	City of Edinburgh	Mar 22	2. Implement		
Regional Housing Programme	Cross-Regional	Sep 19 (work prog report)			
Affordable Housing Programme	Cross-Regional	N/A	3. Deliver		N/A
Seven Strategic Sites	Cross-Regional	Winchburgh: Aug 18 Dunfermline: Jun 21 Granton: Dec 21	2. Implement		
Innovation and Skills	Cross-Regional	Others TBC	2. Implement		N/A
Edinburgh Living (housing company)	Cross-Regional		3. Deliver		

Project Stages

Stage no.	Definition
1. Define	Business case being developed, and not yet approved by Thematic Board and Joint Committee.
2. Implement	Business case has been approved by Thematic Board and Joint Committee, and is being implemented. In a capital project, this may be construction; for skills projects this may be establishing a course or system.
3. Deliver	Project is in place and benefits realisation framework to assess if it is achieving its objectives.
4. Legacy	Project has resulted in mainstreaming or improvements to business as usual (impact) that is generated beyond the funded period.

T: Status against **timeline** set out in business case/implementation plan **B:** Status against budget set out in financial plan

RAG Status	Definition – Timeline	Definition – Budget	Action Required
	In line with business case/ implementation plan	In line with spend set out financial plan for the current financial year.	No management action required
	Delay exists but is considered acceptable by PMO.	Spend is within acceptable range from what is set out financial plan for the current financial year. Project lead is confident that spend will be to profile at financial year end.	Management action is in place by senior management to address issues, and project is being closely monitored.
	Delay is significant.	Spend is outwith acceptable range from what is set out financial plan for the current financial year. Project lead does not consider that spend will be to profile at financial year end.	Immediate action is required by senior management and relevant Boards as appropriate to address issues. Issues must be highlighted to Government.



2. City Region Deal Overview

Stages

As of 1 August 2022:

2 Projects
are in



Define, which means that the project's business case is yet to be completed

15 Projects
are in



Implement, which means that the project's business case has been approved by Joint Committee and is in the process of being implemented

6 Projects
are in



Deliver, which means that the project has been implemented and is working towards delivering its objectives

Time and Budget

14 Projects

are considered to be on target to be completed on time (green score) or have been completed on time

9 Projects

are delayed, but considered to be within an acceptable range, with management action in place to address the issue (amber score)

19 Projects

are considered to be on target to be completed within the specified budget so far for the 2022/23 financial year (green score) or have been completed within the specified budget

2 Projects

are projected to cost more than the specified budget so far for the 2022/23 financial year, but considered to be within an acceptable range, with management action in place to address the issue (amber score)

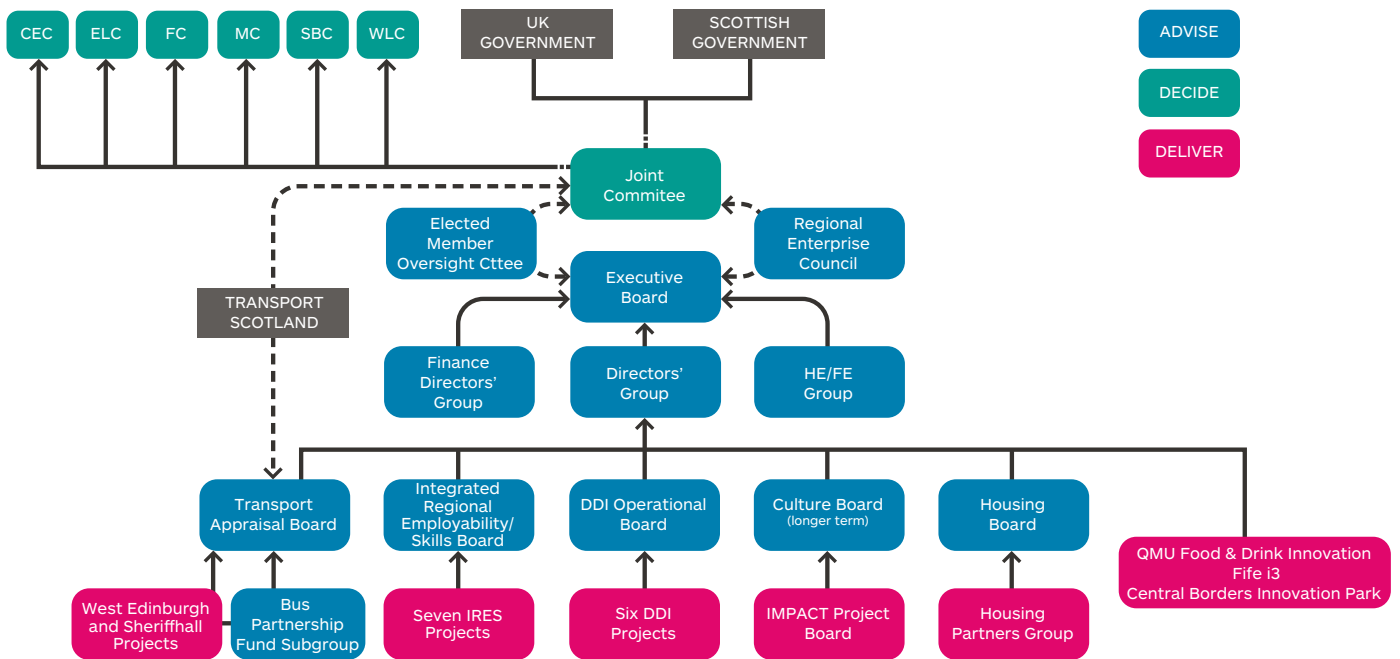


2. City Region Deal Overview

Governance

The City Region Deal has a comprehensive governance structure. This is summarised in the diagram below. There is more detail on the Boards and Groups in Section 3 of the **Deal Document**:

Functioning Governance





3. Financial Statement

This City Region Deal identifies new and more collaborative ways that partners will work with United Kingdom Government and Scottish Government to deliver change to the city regional economy. The Governments will jointly invest £600 million over the next 15 years and regional partners committed to adding in excess of £700 million, overall representing a deal worth £1.3 billion. Since the Deal was signed, partner investment projections have increased by over £84m. As a result, the value of the Deal is now almost £1.4 billion. A summary of the City Region Deal total over a fifteen-year period is shown in the Table 2:



Table 2 Edinburgh and South-East Scotland City Region Deal Financial Summary

Project	SG Contribution (£m)	UKG Contribution (£m)	Partner Contribution (£m)	Total Funding (£m)
Bayes Centre	2.24	30.31	68.50	101.05
Borders Innovation Park	15.00	0.00	14.14	29.14
Easter Bush	1.27	16.10	27.84	45.21
Easter Bush Link Road	0.00	10.90	19.10	30.00
Edinburgh Futures Institute	2.24	55.68	142.67	200.59
Edinburgh Innovation Hub	1.42	28.58	21.45	51.45
Edinburgh International Data Facility	0.67	78.93	119.45	199.05
Fife i3 Programme	35.00	0.00	15.10	50.10
National Robotarium	1.43	21.04	0.00	22.47
Usher Institute	0.73	48.46	37.05	86.26
Total Research, Development & Innovation	60.00	290.00	465.31	815.31
Dunard Centre	10.00	10.00	54.93	74.93
Total Culture	10.00	10.00	54.93	74.93
Integrated Regional Employability & Skills Programme	25.00	-	-	25.00
Total Integrated Regional Employability & Skills	25.00	-	-	25.00

Table continues overleaf



3. Financial Statement

Project	SG Contribution (£m)	UKG Contribution (£m)	Partner Contribution (£m)	Total Funding (£m)
A720 Sheriffhall Roundabout*	120.00	-	-	120.00
West Edinburgh Public Transport Improvement Programme	20.00	-	16.00	36.00
Total Transport	140.00	-	16.00	156.00
New Housing Partnership – Edinburgh Living**	15.00	-	248.00	263.00
Housing Infrastructure Fund**	50.00	-	-	50.00
Total Housing	65.00	-	248.00	313.00
Grand Total	300.00	300.00	784.23	1,384.23

*Includes £120m for Sheriffhall roundabout to be delivered by Transport Scotland.

** Funding issued by Scottish Government (Housing). Partner contribution of £248m relates to CEC on-lending.



3. Financial Statement

The City Region Deal Financial Summary for the period of April 2021 to March 2022 is set out in Table 3.

Total expenditure for the year amounted to...



Table 3 Edinburgh and South-East Scotland City Region Deal 2021-22

Project	2021-22	Cumulative (2018/19 - 2021/22)	
	CRD Expenditure (£'000)	CRD Expenditure (£'000)	CRD Expenditure as % of Funding
Bayes Centre	0	32.55	100%
Borders Innovation Park	2.13	2.33	16%
Easter Bush	0	16.42	95%
Easter Bush Link Road	0.39	0.39	4%
Edinburgh Innovation Hub	0	0	0%
Edinburgh Futures Institute	8.02	57.92	100%
Edinburgh International Data Facility	7.24	40.23	51%
Fife i3 Programme	4.29	9.34	27%
National Robotarium	13.26	15.32	68%
Usher Institute	16.02	21.77	44%
Total Research, Development & Innovation	51.35	196.27	56%
Dunard Centre	1.88	1.88	9%
Total Culture	1.88	1.88	9%
Integrated Regional Employability & Skills Programme	4.07	7.49	30%
Total Integrated Regional Employability & Skills	4.07	7.49	30%
A720 Sheriffhall Roundabout*	0.78	5.23	4%
West Edinburgh Public Transport Improvement Programme	0.10	0.11	1%
Total Transport	0.88	5.34	4%
New Housing Partnership – Edinburgh Living**	0	15.00	100%
Housing Infrastructure Fund**	0	0	0%
Total Housing	0	15.00	23%
Grand Total	58.19	225.98	38%

*Scottish Government funded. Transport Scotland taking forward scheme delivery.
 ** Funding issued by Scottish Government (Housing).

The Deal overall expended £225.98m of the £600m government funding from August 2018 to March 2022. This includes funding issued by Transport Scotland and Scottish Government Housing Department.



4. The Deal – summary of progress

This section summarises the themes, programmes and projects within the City Region Deal. It details the progress that has been made in line with the Implementation Plan.



Quarterly performance reports are shared between the Project Management Office (PMO) and Governments throughout the year and are published at each Joint Committee meeting.



4. The Deal – summary of progress

Data-Driven innovation

In last year's report, the **Data-Driven Innovation** (DDI) initiative reported that it had drawn down almost £52 million in Government funding via the Edinburgh and South East Scotland City Region Deal, as investment for the creation of the DDI hubs – the Bayes Centre, Edinburgh Futures Institute, Usher Institute, Easter Bush, Edinburgh International Data Facility, and National Robotarium. This year, total drawdown in the local authority financial year to 31 March 2022 was £34 million.

The results of capital investment from United Kingdom and Scottish Governments are now becoming tangible, as construction work is expected to complete in 2023/24. In total, the DDI Innovation Hubs have added 53,000 square meters of innovation space – equivalent to ten football pitches. With every passing year since the launch of the DDI initiative in 2018, there are more and more examples of research, partnerships and other activities that have received support from the programme.

Another important step forward was the launch, in July 2022, of the DataLoch service. This milestone confirmed the establishment of the governance and technical infrastructure to permit researchers from any organisation to apply for health and social care data access. Notably, the governance was informed by gathering public perspectives around access to health data.

There are more highlights and details on the following pages from each of the DDI hubs.



THE UNIVERSITY
of EDINBURGH



**Data-Driven
Innovation**

Part of the Edinburgh & South East Scotland City Region Deal





4. The Deal – summary of progress

Bayes Centre

The Bayes Centre is a one-stop shop for technical data science and Artificial Intelligence expertise, facilitating data-driven innovation by partnering with a wide range of private and public collaborating organisations.

The Centre builds on the University of Edinburgh’s academic excellence in the mathematical, computational, engineering, and natural sciences and translates these combined strengths to impact through the application of digital technology, robotics and autonomous systems, and space and satellites to the challenges of partners. Data science education, tech entrepreneurship and industrially driven, multidisciplinary Research and Development are the core pillars of its strategy to impact lives positively across the city, our region, nationally, and internationally.

Having opened in October 2018, the Bayes Centre has a growing track record of activities and outputs - including the creation of new high-value jobs, generating R&D investment, helping start-ups secure funding and helping thousands of people develop new data skills. Work has progressed at pace despite the COVID-19 disruption in 2020/21, with the team looking forward to welcoming a range of new members and partners during 2021/22 to join the 30 external organisations and programme participants who are co-located in our award- building.



The Bayes Centre is the University of Edinburgh’s innovation hub for Data Science and Artificial Intelligence



The Bayes Centre held EIE London, an Innovation Showcase, hosted by First Minister of Scotland, Nicola Sturgeon and with speakers including Lord Mayor, City of London, Vincent Keaveny and London Stock Exchange CEO Julia Hoggett



First Minister of Scotland, Nicola Sturgeon hosted EIE London on behalf of the Bayes Centre



4. The Deal – summary of progress

Headline achievements in 21/22

- Increased student numbers in the online learning programme **Data Science, Technology, and Innovation (DSTI) programme**.
- Developed online course with The Data Lab in Data Entrepreneurship for PhD students.
- Launched development plan to grow **Space & Satellites research activity**.
- Academic engagement strengthened through streamlining of **Alan Turing Institute** activities management into Bayes operations.
- Developed and deployed **OpportunityMatch** as a tool to easily discover University of Edinburgh academic expertise.
- **Data Science Unit** established including development of consultancy framework, delivery model and publicity. The initial tranche of commercial projects is now underway.
- Established the PhD and early career academic entrepreneurial **Venture Builder Incubator** programme. The programme received 56 applications from which a cohort of 27 was selected.
- Cohort 4 of the Bayes **AI Scale-up Accelerator**, received over 90 applications – from young dynamic AI companies worldwide. The final cohort of 15 continue their journey on the programme. Previous cohorts of the Scale-up Accelerator have secured over £16 million funding to date.
- Thirty-six companies were selected to form the **EIE21 cohort**, with the event held virtually on 10 June.

Next milestones (2022/23)

Due Date	Milestone
Oct 22	Appoint annual cohort of Bayes innovation fellows
Oct 22	Define strategy for discovery of available data assets
Jul 23	Continue scaling up the Data Science, Technology and Innovation programme, aiming for a target of 550 student course enrolments for 22/23
Jul 23	Undertake a series of Bayes-led seed funding projects
Jul 23	Engage in 26 innovation projects with external partners
Jul 23	Create/accelerate 24 companies through entrepreneurship support programmes



4. The Deal – summary of progress

Easter Bush

The Easter Bush Agritech hub seeks to leverage existing world-class research institutes and commercialisation facilities to place Easter Bush as a global beacon of Agritech excellence. This will help improve the efficiency of food production, accelerate the path to zero carbon, and reduce emissions - ensuring animal health, robustness and welfare.

The hub aims to develop world-leading research capability in data science; address skills shortages and gaps in the industry and encourage graduates to set up or join micro-agritech companies. It brings together researchers from the University of Edinburgh and other higher education institutions, along with commercial, public and third sector organisations, in collaboration with project partners Midlothian Council.

Nucleated at the **Royal (Dick) School of Veterinary Studies'** Easter Bush Campus – Europe's largest concentration of animal science research expertise - the hub is a dynamic and vibrant innovation environment. World-class facilities equipped with the latest technologies support Europe's largest concentration of animal science research experts and clinicians, as well as co-located industrial partners in our custom-built Innovation Centre. The hub therefore fosters collaboration between researchers and companies to contribute to global food systems, work towards net zero carbon in the Agritech sector, and inform food and environmental policies.

Experts in the hub will use data to develop genetics and health innovations for agricultural science and business, and to build initiatives and such novel systems of production as robotics. It will work in innovative areas, such as data-driven



Jo Churchill, Minister for Agri-Innovation and Climate Adaptation at the UK's Department for Environment, Food & Rural Affairs (Defra), visited the University of Edinburgh's Easter Bush Agritech Hub on 26 April.



4. The Deal – summary of progress

breeding and aquaculture, to enable data generation and analysis that will improve the agriculture industry worldwide. The investment will transform the scale and impact of agricultural technology in outputs from teaching, research, and innovation.

Headline achievements in the past year

Talent

- Successful Gateway Review of Agritech Talent Plan, with approval to progress with changes to deliverables based on feedback from a specialist marketing research agency.
- Public engagement activity with Easter Bush Science Outreach Centre **continues to soar**, with over 46,000 online engagements in the past year and further demand exceeding our expectations. Interactions include participation in citizen science projects such collating data for a **bee health study**.

Data

- Initial development workshops on data strategy and platform delivered, with further workshops on implementation plan to follow. Data-intensive projects supported in the past year include:
 - **Covid-19 dashboard tracks spread across Scotland**
 - **Data science applied to key food systems challenges**

Adoption

- The hub will continue to influence the Agritech public policy and promote collaborative interactions with both government, industry and the public. Key highlights include:
 - **Delivery of a Successful A3 Conference (Animal Health, Agritech and Aquaculture)**
 - **Participation in UK consultation on changing the DNA of farmed animals**

- **DEFRA minister visit to Easter Bush to discuss DDI and genetic technologies**
- **A hub expert joining sustainable livestock event at COP26**
- **Two new companies formed from FAST**, with both securing their first capital investments (**RhizocoreTechnologies Limited** and **Aquanzo**). Both companies have become tenants within the Roslin Innovation Centre.
- The **creation of Wobble Genomics** by a hub researcher (who also became a tenant within the Roslin Innovation Centre).
- Campus Innovation funding of £300k secured for a UK pilot project for Biotechnology and Biological Sciences Research Council (**BBSRC**) – looking to support and strengthen activity that facilitates industry-academic collaboration.

Research

- Agritech research continues to strengthen at Easter Bush. Key highlights include:
 - **Roslin's annual global impact approaching £20bn and National assessment highlighting research excellence**
 - **Retinal examination being identified as a predictor for heart attack risk**
 - **UK scientists joining forces to tackle bird flu**
 - **Global study identifying genetic differences associated with critical care Covid-19 patients**
 - **Multi-million-pound research programme aiming to tackle lung infections and future pandemics**
 - **£1.7M study aiming to produce lice-resistant salmon**
 - **Detection of signature inflammation marker which could aid early**



4. The Deal – summary of progress

- **detection of mastitis in cows**
- **Combining gene technologies with vaccination to eliminate specific livestock diseases**
- **Approach to tracking drug resistance in people and livestock receiving international recognition**
- **A simple, cost-effective technique of freezing reproductive cells to help secure food production in tropical countries**
- **hub lending expertise to UK study seeking to understand and improve immunity in older age**
- **Researchers aiming to pinpoint non-gene components in DNA linked to production and welfare traits in cattle, gaining insights across species**

Next milestones (2022/23)

Due Date	Milestone
Sep 22	Scotland to host conservation genetics conference: First meeting of its kind to be held in the UK and the hosts – the Royal Zoological Society of Scotland (RZSS), the University of Edinburgh and the Royal Botanic Garden Edinburgh (RBGE) – are recognised as global leaders in the fields of wildlife conservation and biodiversity research
Dec 22	Further evolve the long-term Data Strategy emerging from workshops, aim to undertake further workshops with EPCC in order to agree implementation plan for the next 5 years
Mar 23	Continue to strengthen and develop our Adoption activities to encourage a collaborative ecosystem within maximises opportunities for academics, government and industry. This includes completion of the Campus Innovation Account Pilot for BBSRC, seeking to establish a framework which support and strengthen activity that facilitates industry-academic collaboration
Mar 23 – Jul 23	Continue to strengthen leading-edge research capabilities with a wide array of data intensive projects, including securing strategic partnership investments with BBSRC for 23-28
Apr 23 – Jul 23	Following appointment of new Chair in Aquaculture, Establish a Centre for Aquaculture Genetics and Health, developing a business plan to enable a step change in the aquaculture genetics activity for the Agritech Hub Following appointment of new Quantitative Genetics Chair, establish a Centre for Data-Driven Breeding, developing a business plan to enable a step change in the genetic livestock breeding activity for the Agritech Hub Work with partners to develop Agri and Aqua accelerator schemes, to enable the next stage of company formation on campus
Jul 23	Further develop and scale up activities in line with approved Agritech Talent Plan and Easter Bush Science Outreach Centre delivery



4. The Deal – summary of progress

Edinburgh Futures Institute

The **Edinburgh Futures Institute** (EFI) is a major strategic initiative of the University of Edinburgh. EFI offers a new approach to research, education and innovative partnerships. Collaborating with industry, government and communities to build a challenge-led and data-rich portfolio of activity that has demonstrable ethical, social, cultural, economic and environmental impacts.

The Futures Institute is an opportunity for schools, students and staff across the University to do different things, explore innovative methods and create new types of partnerships through teaching, engagement and research.

An interconnected portfolio of MSc programmes and an innovative undergraduate programme, supporting interdisciplinary teaching, learning and research that will equip students with leadership, data and creative skills. Flexible and inclusive ways to learn both online and on campus promote opportunities for a diverse student body to apply knowledge to live projects and real challenges. Working in an environment that connects them to experiences and partners in community, industry, business and government. It aims to engage over 300,000 learners over the 15-year period of the City Region Deal.

A research culture that consolidates the University of Edinburgh's leadership in Data Driven Innovation Research and delivers impact through the generation of over £170 million in research income. The approach develops research capacity by retaining local talent and attracting global talent by supporting the incubation, growth and resilience of advanced interdisciplinary clusters and centres. We aim to extend and





4. The Deal – summary of progress

enhance the impact of our research by encouraging the widest use of our expertise and nurturing entrepreneurial thinking in our staff and students.

The co-location of civic and commercial partners attracted by the interdisciplinary, collaborative culture of EFI, offers a unique space to address social, environmental and economic challenges and realities. Edinburgh Futures Institute will host partners at different scale from four primary sectors: Financial Services (including Fintech), Creative Industries, Tourism and Festivals, and Public Services (including Data Civics) and these will be a key element in our co-creative work to deliver meaningful impact derived from our world-leading research. A further two cross-cutting themes underscore responsible knowledge exchange, innovation and enterprise with Future Infrastructures, and the Ethics of Data and Artificial Intelligence. All the work is underpinned by an urgent awareness of the climate crisis.

To support the skills development and collaborative potential of the Futures Institute, two complementary services have been designed to support the interconnected communities of students, staff and partners. The **Centre for Data, Culture & Society** provides a community of practice with space for experimentation, innovation and skills development, and gives tailored support to research groups and projects. The **Data+Design Lab** applies, curates and co-creates design methods to develop new projects and partnerships by forming constellations across experts, students, industry partners, and the wider community to offer unexpected perspectives on data-driven challenges.

This approach recognises that the biggest challenges facing societies globally

– including climate volatility, political discontent, economic upheaval and technological change – are complex and multi-level in orientation; and that insight and innovation can come from bringing the arts, humanities and the social sciences into contiguity with data science, engineering, the natural sciences and medicine.

Delivery of the Edinburgh Futures Institute is underway and the first substantial ‘horizon’ is the arrival of the first cohort of postgraduate students in September 2022. In Summer 2023 the building will be opened, and the first undergraduate cohort will be welcomed alongside an increasing pool of postgraduate students working with data across disciplines. As student numbers expand and the co-location of research centres, civic and commercial partners create an entrepreneurial campus – ultimately supporting the creation of at least 90 new companies – the Futures Institute will become a thriving, creative innovation hub.

Headline achievements in the past year

- October 2021: six new interdisciplinary, data-driven Masters programmes launched for recruitment. With its innovative ‘fusion’ model breaking barriers between online and on-campus, these programmes allow students greater choice in when and how they study and enable them to co-create their own learning. The first cohort of students will begin study in September 2022.
- April 2022: The **CreativeTech Scotland Gathering** showcased creative tech in Scotland, receiving strong positive feedback from industry, potential sponsors and Scottish Government.
- April 2022: it was announced that Edinburgh Futures Institute will host the new **Centre for Investing Innovation** on behalf of the University of Edinburgh, with



4. The Deal – summary of progress

- £7.5m funding from abrdn. EFI colleagues have worked closely with Bayes, EI and others to deliver on this major strategic partnership which will leverage excellent academic insight on the challenges and opportunities facing the company and the sector. It will also drive new understanding of investment-related social and environmental sustainability issues.
- May 2022: Professor Chris Speed, the Institute’s then-Director of Innovation, took over as Director of EFI when Professor Lesley McAra stepped down at the end of her four-year appointment.
 - June 2022: Announced that the **Edinburgh International Book Festival** will take place at the Futures Institute from 2024. This will give the Book Festival a variety of beautiful, accessible indoor and outdoor areas along with the facilities to stage a hybrid programme of livestreamed and in-person events. It will have ample space to create the atmospheric literary gathering place that audiences and authors have long valued, for socialising, making connections and sparking ideas.
 - June 2022: A **new undergraduate programme in Interdisciplinary Futures** was approved and will welcome its first cohort of students in September 2023.
 - July 2022: Edinburgh Futures Institute developed its Autumn 2022 season event programme which will deliver a collaborative and thematic season of events, both in person and hybrid, including the third Edinburgh Futures Conversation which will focus on Climate: Damage and Loss. The programme will launch in September 2022.

Next milestones (2022/23)

Due Date	Milestone
Sep 22	Welcome first cohort of postgraduate taught students to EFI
Oct 22	Launch second tranche of postgraduate programmes for recruitment
Dec 22	Deliver EFI’s first ‘season’ of hybrid, in-person and online events
Apr 23	Deliver annual EFI research awards to support innovative, interdisciplinary research
May 23	Deliver two further Edinburgh Futures Conversation events
Jul 23	Secure appropriate mix of tenants, partners and members within EFI preparatory to moving into the new building



4. The Deal – summary of progress

Edinburgh International Data Facility (EIDF)

Achieving the aims of the DDI initiative requires a powerful, high-capacity and flexible data infrastructure capable of responsive and secure delivery of an expanding range of complex and bespoke data and analytical services. These activities also demand a level of service (e.g. resiliency to the loss of power, redundancy of equipment to mitigate the impact of sudden failures) that is not normally required for research computing applications and is not currently supported by existing facilities.

The **EIDF** consequently consists of four complementary components:

- EIDF computer room: a new high resiliency computer room at the Edinburgh Parallel Computer Centre's Advanced Computing Facility to complement the other three computer rooms that are focussed on supercomputing system provision for research users;
- Data and software infrastructure: the underlying private cloud computing and data infrastructure to support the DDI initiative. As part of this component, both Open Source and paid-for advanced data analytics and other software infrastructure will be delivered;
- Internet of Things (IoT) service: a regional IoT network for the city region will be created. This part of EIDF is the responsibility of the University of Edinburgh's Information Services Group; and
- Regional Data Haven: a regional data haven for local public data, sourced initially from City Region Deal partners, will be created to support a smart public data generation infrastructure.



Edinburgh International Data Facility





4. The Deal – summary of progress

Headline achievements in the past year

EIDF’s focus in 2021/22 shifted from infrastructure build to service delivery. Despite ongoing working disruption caused by the tail-end of the COVID-19 pandemic, progress has been good on both general-access services and project-based bespoke services for DDI partners and stakeholders. View EIDF’s **Service Catalogue**.

Date	Activities
Aug 21	The Cerebras CS-1 service, the first installed in Europe, is in use by University of Edinburgh researchers.
Sep 21	A new version of the University’s Data Safe Haven has been running successfully in pilot and will be expanded to support additional projects over the course of the year.
Nov 21	The Ultra2 large-memory service is in use by researchers, notably the ISARIC4C, PHOSP and GenoMICC covid-19 viral genomics consortia.
Nov 21	First version of the EIDF data catalogue launches in a dual role as the data catalogue for the Research Data Scotland (RDS) partnership formed this year between University of Edinburgh, Public Health Scotland and the Scottish Government (https://find.researchdata.scot). A detailed plan for further catalogue development is being agreed with RDS and the Scottish Safe Havens Network. There is an opportunity here to help data and service providers connect across Scotland.
Jun 22	Announcement of procurement for EIDF of two leading edge AI systems: an upgrade for the CS-1 to a CS-2, and the acquisition of a Graphcore Bow Pod system.
To Aug 22	<p>Throughout the year we have worked with a range of partners across the University and beyond using both new EIDF infrastructure and the older EIDF “interim service” environment.</p> <p>Services in production or pre-production:</p> <ul style="list-style-type: none"> • The Scottish National Safe Haven (NSH) has run business-as-usual, with federation services with other UK-based safe havens prototyped under the HDR-UK Data and Connectivity programme. • DataLoch (private Safe Haven analytics desktops, a DDI project with Usher) • Smart Data Foundry (formerly GOFCoE) (private Safe Haven analytics desktops) • Data SlipStream (a data management service for satellite data, a collaboration with Geosciences) • Scottish Government SPACe programme (both Safe Haven and standard analytics desktops) <p>Services in prototype or development:</p> <ul style="list-style-type: none"> • iCAIRD (an early adopter computing and data management service for digital pathology, a collaboration with the Industrial Centre for Artificial Intelligence Research in Digital Diagnostics) • National Records of Scotland Safe Haven (private Safe Haven analytics and data management) • National Collection of Aerial Photography (data hosting and research use)
IoT Service	
To Aug 22	As part of our SeNSES infrastructure work, we have developed, upgraded, redeployed and security reviewed our entire back-end data processing infrastructure including our TTN LoRaWAN network server; Elastic data storage, visualisation and analytics stack; and web portal back-end infrastructure. We have also been developing a new real-time data integration service end point for external applications based on the industry standard MQTT protocol.



4. The Deal – summary of progress

Next milestones (2022/23)

EIDF will continue its focus on a combination of generic service development and bespoke project support. Its operating model is to engage with stakeholders on DDI projects using existing EIDF services and infrastructure, identify commonality and synergies between projects and from these develop new generic services. This has worked well over the last year.

Due Date	Milestone
Ongoing	Continually improve EIDF compute and data management services. Support development of UoE information governance processes for UoE Data Safe Haven.
Aug 22	Launch service on the Nvidia A100 GPU cluster.
Oct 22	Upgrade Cerebras CS-1 service to CS-2. Complete design of “Outbreak Data Analysis Platform Trusted Research Environment” with HDR-UK, Public Health Scotland, Scottish Government and Roslin Institute through ODAP Partnership.
Jan 23	Launch general data ingest and archiving service. Complete redesign of “National Safe Haven 2.0” with Public Health Scotland, Scottish Government and ADR Scotland (Administrative Data Research Scotland) through Research Data Scotland. Complete ingest of COG-UK and NHS Digital data into ODAP TRE.
Apr 23	Launch hosted version of EDINA’s Noteable Jupyter Notebook service. Complete upgrade of overall Safe Haven Services hardware infrastructure.
Jul 23	Reinstate Scottish Medical Imaging service data updates from Scottish national Picture Archiving and Communications Systems (PACS) (in partnership with Public Health Scotland, Scottish Government). Launch general UoE Data Safe Haven service for researchers upon final agreement on University-wide IG processes. Complete design for new safe haven to support Edinburgh clinical trials unit. Launch first version of OpenCGA genomic data management and analytics service for Institute of Genetics and Cancer (with Cambridge-based Zetta Genomics). Launch first version of the Battery Data Hub, a data management and analytics service for battery data for the School of Maths and the UK Faraday Institute. Launch access to some initial IoT SeNSES datasets via the Noteable service. Complete migration of early DDI projects from interim service environment to the new EIDF production environment: <ul style="list-style-type: none"> • The Scottish Government SPACe analytics workbench service • The Scottish Government SPACe confidential workbench private safe haven • The Smart Data Foundry private safe haven • The DataLoch private safe haven • The iCAIRD digital pathology research service • The NCAP data processing and dissemination service • The Data Slipstream data processing and dissemination service • The Scottish Genome Partnership research service



4. The Deal – summary of progress

National Robotarium

The National Robotarium is a world-leading centre for Robotics and Artificial Intelligence. Its responsible and collaborative approach creates innovative solutions to global challenges. Its pioneering research moves rapidly from laboratory to market, developing highly skilled visionaries and delivering substantial benefits for society. Its ethos is People centred; Intelligence driven.

This research and development facility translates cutting-edge research into technologies to create disruptive innovation in an expanding global market in robotics and autonomous systems, delivering sustainable economic benefit to the city region, Scotland and the UK.

As global leaders in Robotics and Autonomous systems, Heriot-Watt University and the University of Edinburgh explore collaborative interaction between humans, robots and their environments at all levels. The National Robotarium will leverage existing research and the expertise of UK industry with the significant market opportunity of Robotics and autonomous systems. Building capacity across complementary areas of embedded intelligence and expert systems, the National Robotarium will link to other UK and international research locations to attract further inward investment.

The £22.4 million purpose-built centre, opening in August 2022, will have unrivalled facilities adding to our existing laboratories in Ocean Systems, Human Robotic Interaction and Assisted Living.

With a strong focus on entrepreneurship and job creation, the National Robotarium will offer an ecosystem for industry collaboration where humans and robots work in partnership.





4. The Deal – summary of progress

Headline achievements in the past year

- Construction completed in Summer 2022
- Two small businesses confirmed as moving in and four new SMEs identified
- First industry funded contracts received as National Robotarium Offshore renewable companies
- First research grants received
- **Orca programme** complete, with National Robotarium now continuing/expanding industrial relationships
- New academics recruited into National Robotarium specialist team covering areas such as Agritech, crop harvesting and vertical farming as well as specialists in autonomous systems
- First National Robotarium advisory groups established covering agriculture and the energy sector
- NHS Grampian partnership established, solution development maturing for hospital benefit
- National Robotarium leadership team now in place
- National Robotarium Engineers and Programme managers in recruited and in post

Next milestones (2022/23)

Due Date	Milestone
Sep 2022	National Robotarium fully operational and official launch
Sep 2022	First Tech companies in residency
Mar 2023	Secure 1-3 strategic enabling partnerships in order to accelerate National Robotarium capability

Strategic Added Value

The development of the National Robotarium is aligned with the strategic focus of both Universities and with the Data-driven innovation theme. The core strategic focus of Heriot-Watt University is:

- Strengthen research intensity in fields of economic and societal benefit;
- Provide truly global education while maintaining our Scottish roots; and
- Deliver excellent student experience and highly employable graduates.

The National Robotarium is actively identifying opportunities with colleagues across the DDI programme. These examples include:

- Collaborate with **Bayes Centre** to support activities in Robotics and Autonomous systems across the University of Edinburgh and Heriot-Watt University, driven by the academic expertise of the **Edinburgh Centre for Robotics**.
- Discussions underway around a partnership with **Edinburgh Futures Institute** to develop CPD and other talent offerings on ethics in robotics. The **UKRI Trustworthy Robotics programme** can be a foundation for collaboration.



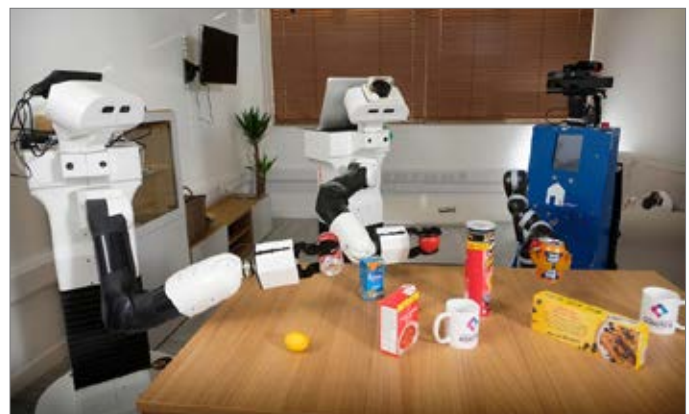
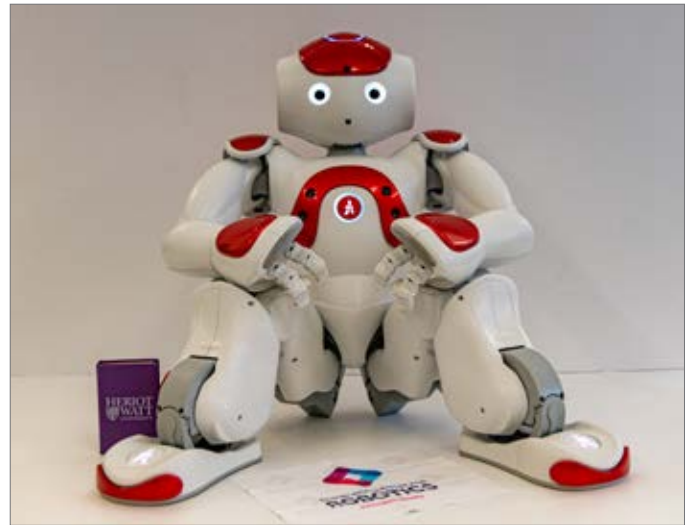
4. The Deal – summary of progress

During the procurement and completion of the National Robotarium main construction contract, there was a focus on the delivery of an ambitious Community Benefits plan with agreed KPIs on variety of areas including youth and school engagement, work placements and job creation within an inclusive growth approach.

Public Engagement is an integral part of our research practice at the National Robotarium. By actively embedding this into its work, the National Robotarium will enhance the skills and attitudes of all those taking part and ensure our research is socially conscious and relevant.

The vision is to create a sustainable programme of engagement focused on robotics and artificial intelligence, putting audiences at the heart of an offering through increased public understanding and critical appreciation of robotics and Artificial Intelligence (AI). The National Robotarium will be fully engaged in policy making on robotics and AI, from ethics to standards and public understanding. Some highlights include:

- Launch of Pilot Schools programme involving senior School students (S4-6) working with Primaries (P5-7) in West Lothian. The ambition is for a sustainable programme with a focus on the challenges of gender balance in STEM subjects and engagement with SIMD20 areas.
- Engagement with over 40 schools in the city region area as part of the **Name our Robot Dog** competition.





4. The Deal – summary of progress

Usher Institute

Through the application of data science, the **Usher Institute** is driving innovation in health and social care that improves lives. It will establish a world-leading innovation hub where public, private and third sectors can collaborate to enable data-driven advances in the delivery of health and social care.

The Usher Institute works with people, populations and their data to understand and advance the health of individuals and populations in the community and beyond. It supports the use of data and digital technologies to improve outcomes for patients and encourage the adoption of those with the greatest potential to transform health and social care.

The activity will deliver the infrastructure, resources, and expertise essential for the data-driven transformation of the health and social care sector in the City Region and beyond. This includes the creation of high-quality education and training in the application of data skills within health and care; a unique regional data service, **DataLoch**, as a foundation innovation asset; and a membership-based innovation community bringing together service, academic and industry interests to collaboratively develop solutions to our most pressing health and social care challenges.

Innovation and commercialisation will be embedded at the heart of Scotland's premier academic medicine campus with a new, bespoke home opening at **Edinburgh BioQuarter** in early 2024.



Usher Institute



A panel session at Digital Health and Care Scotland 2022, held on 23 February at Dynamic Earth on Ageing and Frailty. Pictured is Nick Mills closing the session, with a presentation on the Usher Institute and data-driven innovation activities.



Topping out ceremony for the new Usher Institute building attended by the Lord Provost.



4. The Deal – summary of progress

Headline achievements in the past year

Date	Activities
Sep 21	Launch of two new post-graduate programmes - MSc Data Science in Health and Social Care , and MSc Epidemiology with above target student numbers.
Sep 21	Seven Scottish Funding Council Beacon Projects delivered across secondary, primary and social care (£650k).
Dec 21	DARE UK Sprint Exemplar Award to DataLoch to enhance public engagement (£108k). Contribution to Data-Driven Entrepreneurship Programme cohort 1 output: <ul style="list-style-type: none"> • 72 applications; • 99 teams and individuals supported; • 13 incubator companies; • 2 accelerator participants
Mar 22	Undergraduate Challenger Event took place.
Apr 22	Gateway review of DataLoch and Talent led to increase in funding for more focus on public engagement and tooling; and Continuing Professional Development respectively.
Apr 22	Business plan for Usher Innovation approved.
Jun 22	Topping-out of the new Usher building at Edinburgh BioQuarter by the Lord Provost of Edinburgh, Councillor Robert Aldridge and Professor Sir Aziz Sheikh, Director of the Usher Institute.
Jun 22	Scottish Government award to run Digital Health and Care Transformation Leaders' Programme.
Jul 22	DataLoch full product launch incorporating advanced analytical platform open to application from researchers from any organisation.
Jul 22	73 data output projects delivered by DataLoch associated with £7.6m of research grant awards to the University.

Next milestones (2022/23)

Due Date	Milestone
Sep 22	Announcement of Usher Innovation Director
Oct 22	Launch of an Usher innovation community including first Innovation Challenge on Frailty
Jan 23	Launch of Digital Health and Care Transformation Leaders' Programme
Mar 23	Ingestion and linkage of first social care data into DataLoch
Jul 23	Usher building construction complete
Jul 23	Development of BMedSci - Data Science for Healthcare intercalated honours programme for the MBChB course



4. The Deal – summary of progress

Edinburgh Innovation Hub

East Lothian Council and Queen Margaret University are delivering, in partnership, the Edinburgh Innovation Hub. The Edinburgh Innovation Hub (“Hub”) is in a prime strategic location next to the QMU campus on East Lothian Council owned land and is a catalyst for the subsequent development of a wider Edinburgh Innovation Park (“EIP”).

The state-of-the-art Hub is a flexible 7,200 sqm GIA for the food and drink sector in Scotland, located directly adjacent to, and supported by Queen Margaret University – a university that is leading on international research in Dietetics, Nutrition and Biological Sciences.

The Hub will drive company growth, supporting and developing existing businesses and creating sustainable new businesses to access a global market for healthy and functional food. The development will allow Queen Margaret University, along with businesses, to form and grow a business sector that will harness the potential of translational medicine in food and drink and contribute to the wider health agenda. This will in turn support the diversification of the food and drink industry towards preventative, therapeutic and rehabilitative applications of expertise in genomics of food and drink sector. The EIP will be developed over time and create a nationally significant centre of knowledge exchange, innovation and high value business growth.



Edinburgh Innovation Park Masterplan



The EIP is also part of a significant development of land adjacent to the Queen Margaret University campus, which encompasses a new grade separated junction, 1,500 homes, a new primary school and community facilities. There will also be the creation of a commercial zone within the existing Queen Margaret University campus that will enhance the University’s support and enablement of the wider development zone and its community.

Headline achievements in the past year

Date	Activities
January 2022	Commencement of the Junction Works
April 2022	Completion of the Joint Venture structure between ELC and QMU
May 2022	Appointment of the Design Team
June 2022	Approval from the ESESCRD Joint Committee of the reinvestment of the recovered VAT monies into the Project



4. The Deal – summary of progress

Next milestones (2022/23)

Due Date	Milestone
Jul 2022	Procurement of Contractor commences
Nov 2022	RIBA Stage 3 – Finalised design of the Edinburgh Innovation Hub
Jan2023	Completion of construction of the Junction Works
June 2023	Appointment of the Contractor
July 2023	Commencement of construction of the Hub

Strategic Added Value

- The Hub forms a key part of an ecosystem of Innovation themed projects promoted by the Edinburgh South East Scotland City Region Deal.
- Collaboration across the Higher Education and Further Education network within the Edinburgh South East Scotland City Region Deal is ongoing. QMU is, for example, through its existing collaborative partnership with Edinburgh Napier University assessing the opportunity for Edinburgh Napier University to contribute to the EIP development in terms of supporting Innovation support for SMES additional to or supplementary to the QMU service offering.
- QMU continues to liaise with other Scottish City Region Deals that have Innovation/ Food & Drink focussed activity to ensure alignment and collaboration in the national context.
- Proposals for a Women’s Business Centre are being developed. Capital City Partnership have supported a research exercise on this and QMU are working with the Women’s Enterprise Service to develop a brief for a Women’s Business Centre with the intention that this will be trialled within the existing University Campus prior to locating within the Hub.
- The Hub will generate job opportunities in the sector for those highly skilled graduates both through the innovation led growth of the businesses located there, and through providing access to the space, facilities and services for food and drink graduate start-up companies.
- The wider project will contribute to job density improvement for the wider city region by making available infrastructure/ construction opportunities and employment opportunities within the Hub and the EIP.
- The approval in June 2022 to reinvest the reclaimed VAT monies into the projects provides an opportunity for the Joint Venture to deliver further positive impacts that can be summarised as:-
 - 1 Enhance the project outcomes through targeted additionality in the design and specification to further the value proposition to end users.
 - 2 Extend projects performance on sustainability and Net Zero Carbon.
 - 3 Contain impact of construction cost inflation.
- Linking in with the Capital City Partnership to capture through the procurement process a range of community benefits.



4. The Deal – summary of progress

Fife Industrial Investment Innovation

The Fife Industrial Innovation Investment (i3) Programme is a £50 million, ten-year programme delivered by Fife Council.

The investment will deliver new business premises and immediately available serviced land. The new business accommodation will be located within existing business clusters in mid and south Fife, adjacent to growth corridors (M90 and A92). It will facilitate more joint working between the region's universities and Fife businesses, drive productivity and deliver higher value, skilled, permanent jobs from data driven innovation.

The new industrial and commercial stock will ensure that Fife's industrial estates provide flexible space for innovative manufacturing industries with cutting-edge digital and energy capabilities. Five sites have been developed in Glenrothes, Kirkcaldy, Dalgety Bay, Lochgelly and Dunfermline during the first three years of the Programme. 5.4 Ha of immediately available employment land is now ready for private sector investment, along with almost 1,900 m² of newly developed business space. These new units are more than 90% occupied.

Headline achievements in the past year

- Completion of seven new business units at **Dunnikier Business Park**, Kirkcaldy.
- Phase 1, Site Servicing contract complete at Lochgelly.
- Construction Project underway at Hillend & Donibristle Industrial Estate, Dalgety Bay scheduled for completion in September 2022.
- Business Units at Queensway, Glenrothes are **fully let**.
- Implementation of Tranche 2 of the Fife i3 Programme is underway.



Fife Industrial Investment Innovation





4. The Deal – summary of progress

Next milestones (2022/23)

Due Date	Milestone
Sep 2022	Completion of Business Units at Hillend & Donibristle Industrial Estate, Dalgety Bay
Dec 2022	Fife Interchange North Site Servicing Project Complete
Q3 2022	Fife Interchange North Business Units start on site
Q3 2022	Lochgelly Site Servicing Initial Ground works complete
Q3 2022	Survey of tenants to take place
Aug 2023	Site Acquisition complete of site 3 at Hillend & Donibristle Industrial Estate

Strategic Added Value

The Fife i3 Programme works closely with the Borders Innovation Park Project to share “lessons learned” and has also engaged with the Data-Driven Innovation Programme around Innovation opportunities. It is envisaged that these linkages will continue to strengthen as the Programme moves from construction activities into support to tenants.

Fife Council’s strategic inclusive growth priority is the Mid-Fife Area. All projects in the Fife i3 Programme are considered within the context of their contribution to inclusive growth and the locations for investment have been selected based on criteria that include:

- Ability to support strategic business clusters;
- Location / connectivity to strategic growth corridors (M90, A92);
- Fit with existing predominant land use;
- Potential impact on sensitive or incompatible land uses; and
- Potential to deliver lower-cost business space.

In addition, when the Programme was reviewed in preparation for Tranche 2, four additional criteria relating to sustainability and net zero were added to the site selection process:

- Greenfield – greenfield sites are generally not preferred unless they fulfil other sustainability criteria or make a significant contribution to other strategic objectives.
- Passivehaus – can the site accommodate a passivehaus design, particularly in relation to the orientation of the building to maximise passive solar gain?
- Renewables – does the site have access to any renewable energy source (e.g. district heat network, air source or solar power)?
- Vacant & Derelict Land – will the project remediate vacant and derelict land or property?

Work continues to develop and refine the Programme’s approach to sustainable construction.



4. The Deal – summary of progress

Borders Innovation Park

The Borders Innovation Park, situated next to the Borders Railway terminus at Tweedbank, will deliver much-needed high quality business space to the Scottish Borders. Costing £29 million and being constructed in three phases, the programme will stimulate business growth and associated job creation. As with many other rural economies, the Scottish Borders has to overcome the problem of market failure caused by a combination of remote locations and poor infrastructure, a lack of supply of modern business premises and the increasing obsolescence of existing stock.

The Borders Innovation Park will greatly enhance the inward investment offer in the Scottish Borders, particularly to high-value sectors, as well as assisting existing businesses to improve their competitiveness. It will also help to address inequalities in the area through providing access to better quality, higher paid jobs.

Headline achievements in the past year

- **December 2021:** Completion of first building in Borders Innovation Park.
- **April 2022:** Submission of planning application for road and service infrastructure for Phase 3.



Borders Innovation Park





4. The Deal – summary of progress

Next milestones (2022/23)

Due Date	Milestone
Summer 2022	Approval of planning application for road and service infrastructure for Phase 3.
Summer 2022	Opening of first building.
Autumn 2022	Submission of revised Full Business Case for Phases 2 and 3.

Strategic Added Value

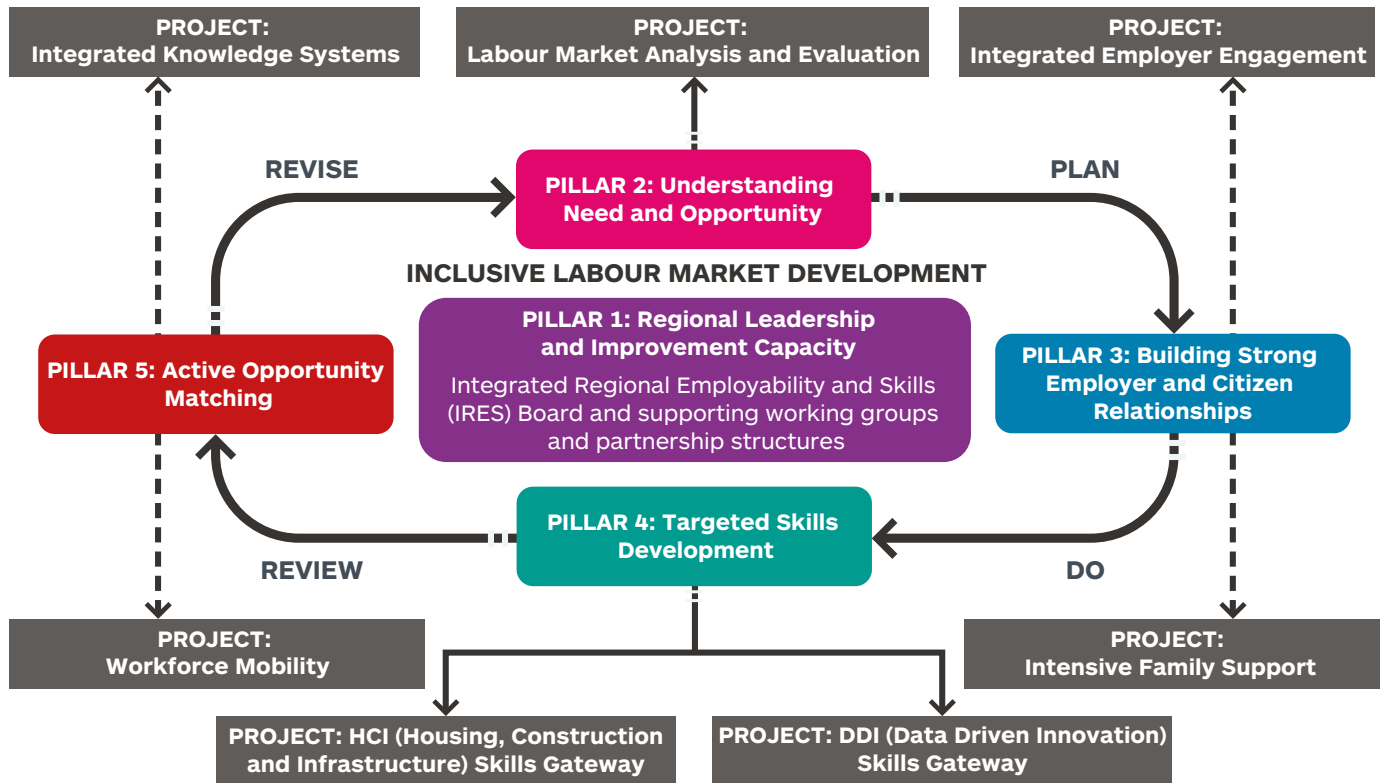
Scottish Borders Council is working with strategic partners, particularly Fife Council and the University of Edinburgh, to maximise the benefits of data-driven innovation and its potential to increase the number of innovation-active businesses, both regionally and locally. It is also working with South of Scotland Enterprise to maximise the business support and advice available to businesses. As a participant in the City Region Deal Housing, Construction and Infrastructure (HCI) Skills Gateway, the Council will look to develop new talent through utilising the construction opportunities during the build phases of the innovation park.



4. The Deal – summary of progress

Integrated Regional Employability and Skills

The Integrated Regional Employability and Skills (IRES) Programme and its cross-sector partnership seeks to evolve regional labour market policy and practice to help drive inclusive growth. The programme continues to focus on five improvement pillars targeting known areas of weakness or opportunity.



The IRES partnership is funded by £25 million investment (over eight years) and will deliver an additional 14,700 skill improvements; 5,300 people into employment; and a further 500 career enhancements through its seven themes:

1. Integrated knowledge management systems
2. Labour market analysis and evaluation
3. Integrated employer engagement
4. Intensive family support service
5. Housing construction and infrastructure (HCI) targeted skills gateway
6. Data-driven innovation (DDI) targeted skills gateway
7. Workforce mobility



4. The Deal – summary of progress

The COVID-19 pandemic is having far reaching economic repercussions with many instances of increased unemployment and reduced recruitment across many sectors, creating a lack of opportunities. At the same time, health care and hospitality have seen high demand with a shortfall of available labour as individuals have moved into different sectors. This has reaffirmed our mission to upskill and reskill, assisting residents into employment, and to access higher skilled and higher paid jobs.

The IRES programme has already supported 18,062 people to improve their skills through training and/or education, helped 620 people into work and secured an additional £4.3m funding to enhance IRES activity. The IRES programme continues to evolve, streamline, and integrate the region's employability and skills system to enhance our capacity and capability to drive inclusive growth and create added value for stakeholders.



4. The Deal – summary of progress

Headline achievements in the past year

1 Integrated Knowledge Systems (IKS)

- Migration of City of Edinburgh and East Lothian Councils employability delivery to new Helix system as well as Intensive Family Support Service delivery across all local authorities in the City Region Deal area
- City of Edinburgh Council data went live and they are now using Helix for School Work Experience
- Creation of a collaboration agreement to be signed by all six Local Authorities to cover the long term, mainstream funding of Helix



2 Labour Market Analysis & Evaluation (LMAE)

- Delivery of green skills report and effective dissemination across the regional partnership
- **Labour Market Toolkit** for frontline workers updated with a digital skills spotlight section
- LMAE research plan reviewed and refreshed to ensure it reflects any changes in economy and partner's needs. Approved by LMAE Theme Group and IRES board. Upcoming research in 2022/23 will consider future skills needs in the Tourism sector and the Creative sectors.



3 Integrated Employer Engagement (IEE)

- IEE launched the **ESESCommunities** portal in November 2021, engaging with suppliers of public contracts across the region to encourage responses to local community needs and requests. This portal offers a voice and platform to community causes, charities and third sector organisations and encourages the delivery of innovative community benefits across the region as explained in **this video**. Community benefits remain at the core of activity and an example can be seen through the collaboration with The National Robotarium **The National Robotarium on Vimeo**





4. The Deal – summary of progress

Headline achievements in the past year

- 3** • Under the Recruitment and Skills Centre workstream, the Fort Kinnaird Recruitment Skills Centre delivered a second year of the Retail Rapid Response project which supported 466 residents of Edinburgh, Midlothian and East Lothian. 103 people secured employment and 235 attended training courses and/or recruitment information sessions. 76 employers were supported with recruitment, staff support and redundancy advice. Other programmes were also delivered through this workstream including the transferable skills academy **IEE Transferable Skills Academy - YouTube**
- A sectoral awareness campaign ‘**Proud to Care**’ was launched in February 2022. This campaign included the development of an **8-minute docu-film** showcasing the positives and realities of working in the Health and Social Care sector, a suite of short stories on individuals employed across the industry and a 30 second television advert. This campaign ran from February to April 2022 and was accessed by over 675,000 citizens and was designed to encourage individuals to consider a career in this sector in response to the current recruitment crisis and staff shortages.

- Links to individual's stories:
Kelly's Story
Megan's story
Gillian's story

4 Intensive Family Support Service (IFSS)

- The Intensive Family Support Service has engaged with 274 individuals (214 adults, 60 young people) across the City Region, delivering a combination of Family Support Work, Advice and Income Maximisation and Employment support
- Phase One evaluation complete encapsulating the first two years delivery, produced by University of Edinburgh. This focussed on individual services, as well as the overall programme, identifying common themes, best practices, and innovative intervention including recommendations to inform Phase Two of the programme
- The service has expanded into five early years centres in Edinburgh due to funding secured through positive impacts and outcomes experienced by families who have engaged across the region





4. The Deal – summary of progress

Headline achievements in the past year

5 Housing, Construction, and Infrastructure (HCI) Skills Gateway

- Watch a **short film** giving an overview of the HCI Skills Gateway Programme
- Showcased human habitats imagined by 191 primary and secondary pupils, plus 61 college and university students, in partnership with LEGO, Daydream Believers and Ellen McArthur Foundation at COP26 in Glasgow in November 2021
- Celebrated the graduation in October 2021 of the first cohort of eight female Construction Innovation scholars; seven of whom are now working in housing and construction roles within the City Deal Region
- Leveraged an additional six-figure investment into the HCI-piloted Timber Technology, Engineering & Design (Timber TED) learning pathway, to establish the world's foremost timber knowledge library in advance of launching the qualification nationally from September 2022 onwards



6 Data-Driven Innovation (DDI) Skills Gateway

- Watch a **short film** giving an overview of the HCI Skills Gateway Programme
- Shortlisted for Digital Leaders award for Talent Initiative of the year
- Delivered several Day of Data events at West Lothian and Scottish Borders Colleges engaging school pupils and teachers in a range of data-based workshops
- Awarded £82,000 of Data Skills Credits in year three benefitting 264 learners



7 Workforce Mobility (WFM)

- Involved in the delivery of the Regional Prosperity Framework and Delivery Plan (Transport theme)
- Supported the delivery of a Demand Responsive Transport Trial in the Scottish Borders
- Worked with SEStran to draft text for the new Regional Transport Strategy to reflect Workforce Mobility issues and opportunities





4. The Deal – summary of progress

Next milestones (2022/23)

Due Date	Milestone
Oct 2022	<p>Integrated Knowledge Systems (IKS)</p> <ul style="list-style-type: none"> • Cleanse and migrate all data IEE including C-19, Fort Kinnaird, Community Wealth Building, Employer Fund etc. into Helix to sit alongside employability delivery • Migrate Scottish Borders Council into Helix using single common reporting language & migrate Midlothian Council using additional functionality to allow CLD reporting • Launch Helix.scot website
Jan 2023	<p>Labour Market Analysis & Evaluation (LMAE)</p> <ul style="list-style-type: none"> • Delivery of regional analysis of future skills needs for the tourism sector • Delivery of regional analysis of future skills needs for the creative industries sector • Complete review of Labour Market Toolkit, including recommendations for future development
Mar 2023	<p>Integrated Employer Engagement (IEE)</p> <ul style="list-style-type: none"> • Support project teams within Queen Margaret University, East Lothian Council and Currie & Brown, to design the community benefit commitments for the Edinburgh Food and Drink Innovation Hub whilst embedding Community Wealth Building practices to inform the production of the CLES recommendations paper • Following the purchase of the FLOW online training tool, 60 learner accounts will be offered to small businesses in each of the 6 local authority areas (10 per area) to support businesses to upskill employees through a series of accredited courses • A sectoral awareness campaign will be launched to encourage employers to support ‘green jobs’ across their workforce and practices. This will include a social media campaign aimed to encourage those working within the region to adjust their career aspirations in line with the green agenda
Jan 2023	<p>Intensive Family Support Service (IFSS)</p> <ul style="list-style-type: none"> • As we near the end of Phase One delivery, a period of consultation is underway with service delivery partners, stakeholders and families across the City Region. Once completed, this will inform Phase Two service delivery in each local authority area across the region • Planning for a network event is underway to share learning and innovative approaches of delivery partners from Phase One • Phase One of the Intensive Family Support Service will come to an end in December 2022 and will move into Phase Two from January 2023
Aug 2023	<p>Housing, Construction, and Infrastructure (HCI) Skills Gateway</p> <ul style="list-style-type: none"> • Deploy three new learning pathways piloted by HCI – Timber TED, Equal Engineers and Build for Good - as national programmes, upskilling 200 people working in construction within the region • Exceed overall target of 400 young people from SIMD20 backgrounds engaging in introductions to modern construction careers through partnerships with SCDI, Daydream Believers and Edinburgh Science Festival • Reach 33% of overall target of 5,000 students for net zero skills short courses delivered by Scottish Borders, Edinburgh, Fife & West Lothian Colleges



4. The Deal – summary of progress

Next milestones (2022/23)

Due Date	Milestone
Mar 2023	Data-Driven Innovation (DDI) Skills Gateway <ul style="list-style-type: none">• Complete roll-out of Internet of Things (IoT) network across the region's schools and engage with networks of teachers in a range of data-related upskilling activities• Engage with third sector partners to deliver targeted data upskilling to under-represented groups• Extend embedding of data skills into new curricula areas across the region's college and universities
Mar 2023	Workforce Mobility (WFM) <ul style="list-style-type: none">• Delivery Bus Network Review for the Scottish Borders• Commence Data based transport projects in a least to other Local Authority Areas• Support the development of UK Levelling Up and Shared Prosperity Fund bids

Strategic Added Value

Inclusive growth remains at the centre of the IRES Programme with the aim of supporting long term sustainable destinations for those who live and work within the ESES region. By supporting local and regional ambition the IRES project has contributed to national policy to help shape future investment for the region. As the partnership supporting IRES develops, further opportunities for wider alignment have developed, including:

- Delivery of clear, integrated and inclusive pathways into industry
- Driving cross cutting themes within regional networks such as Community Wealth Building
- Ongoing research to tackle climate emergency, green skills, and skills gaps
- Engagement with stakeholders to support regional agendas including the development of the Regional Prosperity Framework
- Informing future policy through ongoing engagement with stakeholders



4. The Deal – summary of progress

A720 (Sheriffhall Roundabout)

The Sheriffhall Roundabout is currently the only junction on the A720 Edinburgh City Bypass that is not grade separated, which means the City Bypass is at the same level as the A7 and A6106 local approach roads. This at-grade, six-way junction, often experiences significant queuing, especially during peak hours. The Scottish Government's commitment through the Edinburgh and South East Scotland City Region Deal includes £120 million to support improvements to the A720 Edinburgh City Bypass for the **grade separation of Sheriffhall Roundabout**. The project is being delivered by Transport Scotland and is subject to Transport Scotland's normal governance procedures.

Headline achievements in the past year

- Continued engagement with the City Region Deal partners, on progress and technical scheme developments
- Formal responses issued to all objections made to the draft Orders and Environmental Statement
- Request lodged with the DPEA to initiate arrangements for a Public Local Inquiry (PLI) to be held and a Reporter has been appointed.



Visualisation of the proposed Scheme looking from the South-West



Visualisation of the non-motorised user facilities included in the proposed Scheme



Visualisation of the non-motorised user facilities included in the proposed Scheme



4. The Deal – summary of progress

Next milestones (2022/23)

Due Date	Milestone
Late-2022	Public Local Inquiry (PLI) to be held, potentially late-2022 but timescales to be confirmed
TBC	Delivery of the proposed Scheme can only commence if the proposed Scheme is approved under the statutory procedures. Only following completion of statutory consents can a programme be set for delivery of the proposed Scheme.

Strategic Added Value

The project will:

- Address the bottleneck on the strategic road network by improving operating conditions and connectivity at Sheriffhall and help to reduce the traffic impact of proposed developments on the area.
- Provide high quality active travel facilities to deliver a step change in accessibility for walking and cycling.
- Support future development in the region, including the South East Wedge development, inclusive growth and the removal of physical barriers to growth through delivery of programme of construction across the region.
- Contribute towards the requirement to provide Community Benefits in line with the requirements of the Procurement Reform (Scotland) Act 2014.
- Support wider skills development in the construction sector.



4. The Deal – summary of progress

West Edinburgh Transport Improvement Programme (Wetip)

West Edinburgh is recognised by the Scottish Government as a key national economic asset and perhaps the most important gateway to Scotland. National Planning Policy set the long-term vision for development and investment across Scotland and cites West Edinburgh as a significant business investment location with potential to be internationally competitive. In recognition of its key gateway function Edinburgh Airport and the scale of adjoining land identified as development.

The vision for West Edinburgh and the unlocking of the proposed business and residential development cannot be delivered without investment in an integrated package of transport intervention measures.

These include a core package of A8/A89 sustainable transportation measures that provide long term resilience and support strong connectivity between neighbouring authorities.

The interventions of transport infrastructure are centred around sustainable transport enhancements along the A8/A89 corridor between Broxburn and Maybury and are necessary to mitigate the impacts of new developments and meet the agreed modal share targets.

This proposal is in line with the City Region Deal vision which looks to accelerate the rate of investment and economic performance by capitalising on our existing world class assets through an inclusive and sustainable growth model.





4. The Deal – summary of progress

Next milestones

Due Date	Milestone
Jul/Aug 2022	Close out of Stage 1a and subsequent commencement of Stage 1b - Stage 1b appraises the remaining 4 parts of the Outline Business Case. It also delivers a Detailed Options Appraisal and Preliminary Design of Interventions. Stage 1b also includes more substantial stakeholder engagement and a public consultation exercise.
Sep 2022	Appointment of additional resources, (including a full time Project Manager) to coincide with finalisation of the Outline Business Case and more resource intensive project stages to follow, which include: statutory consents; procurement; and construction.
Mar 2023	Stage 1b finalise Outline Business Case
Sep 2023	Report Outline Business Case to City Region Deal Joint Committee
Oct 2023	Commence Stage 2 which includes: Detailed design of projects; site investigations; and attainment of necessary statutory powers in order to implement improvements and Procurement of Contractors.
Q1 2025	Infrastructure Construction commences

Strategic Added Value

The purpose of the West Edinburgh Transport Improvement Programme is to progress the delivery of the public transport and active travel measures identified in the 2016 WETA Refresh study including the assessment of the feasibility and demand for a new Park & Ride site at Kilpunt, on the A89 near Broxburn.

Interventions are being appraised against a wide range of objectives including, but not limited to, the promotion of sustainable travel to a range of destinations; improving regional connectivity and accessibility for all to jobs, education, healthcare and leisure; and delivering a combined active travel and public transport mode share of 50% within West Edinburgh to support net zero carbon emission targets.

The Programme brings together a range of stakeholders contributing to successful delivery. These include the City of Edinburgh Council, West Lothian Council, Bus Operators, Transport Scotland, Active Travel Groups, Bus User Forums, SEStran, Sustrans, Network Rail, Edinburgh Airport, Major Developers and other statutory consultees.

In due course, this project will be procured as a construction project, and links with the Housing and Construction Infrastructure Skills Gateway will be established. The improvement of public transport provision in this area has the potential to unlock housing development opportunities and ease congestion in the corridor between West Lothian and Edinburgh.



4. The Deal – summary of progress

Dunard Centre

Edinburgh has an international cultural reputation, attracting artists and audiences from around the world. But it is over 100 years since it last opened a purpose-built music venue, and with cities around the world investing heavily in cultural infrastructure, adding 21st Century facilities to the region's existing venue infrastructure is essential to maintaining and enhancing Edinburgh's status as a world class cultural capital.

The good news is that the plans are in place. A specialist team led by award winning David Chipperfield Architects, working with Reiach and Hall and Nagata Acoustics, is developing the **Dunard Centre**, a hall to rival any in the world for design, intimacy and clarity of sound.

With seating for 1,000 people and fully equipped with digital and broadcast facilities, Dunard Centre will be a transformational new home for Scottish Chamber Orchestra and an iconic venue for Edinburgh International Festival. It will be a welcoming space for all, catering for every style of music, from rock and pop to classical, choral, folk and world and hosting extensive education and outreach activities, connecting artists and audiences in new and exciting ways.

Dunard Centre will sit in Edinburgh's St Andrew Square, in the centre of the New Town, ideally placed to take maximum advantage of the public transport system. It will contribute to the opening up of the East End of the City complementing the reinvigorated commercial developments of the Square, St James Quarter and Register Lanes.



Dunard Centre from St Andrew Square



Dunard Centre northern approach Dunard Centre cafe terrace
Image: David Chipperfield Architects and Hayes Davidson



Dunard Centre auditorium
Image: David Chipperfield Architects and Hayes Davidson



4. The Deal – summary of progress

Dunard Centre will build on Edinburgh’s glorious musical past to create a new home for music in the future. Its development will change Edinburgh’s musical landscape, catapulting our capacity to host the best performers in the world into a different league. It will change how the city presents, curates and develops music for generations to come.

Headline achievements in the past year

Over the course of the past year, **IMPACT Scotland**, the charity established to develop and then operate the new hall, has continued to oversee the development of the design for the venue, focused on the core vision and mission of delivering a concert hall which offers world class acoustics and a world class audience experience. The scheme received planning consent in November 2021.

Milestones achieved (2021/22)

- RIBA stage 3 was approved by Trustees in July 2021
- Design was submitted for planning determination in August 2021
- The scheme received planning consent in November 2021
- Stage 4 Design commenced in January 2022
- The Business Case was **approved by the City Region Deal Joint Committee** in March 2022
- Commencement of pre-construction services agreement began in April 2022

Next milestones (2022/23)

Due Date	Milestone
Jun 2022	Delivery of RBS Enabling works
Jul 2022	Commencement of the Annex building site clearance and demolition works
2023	Main construction starts
End 2026	Construction ends

Strategic Added Value

Dunard Centre will rival the best in Europe for acoustics and audience experience, enhancing Edinburgh’s international cultural reputation, offering new opportunities for audience engagement and inclusive growth and providing a new platform for Scottish, UK and international artists. It will host a wide range of musical performance from orchestral to jazz, contemporary and folk as well as being a significant base for education, learning and outreach programmes and a welcome addition to the Edinburgh conference market.

Through the delivery of a wide ranging educational and community programme the Centre will develop opportunities - with a range of City Deal and other partners - to involve those socio-economic groups currently under-represented as participants and (in) audiences. A pre-opening creative programme of events and activities will lay the groundwork for these partnerships.

Dunard Centre is being designed to offer the highest standards of accessibility and sustainability, with a target of delivering a carbon net zero building by 2035 or earlier.



4. The Deal – summary of progress

The **Regional Housing Programme**, aims to accelerate the delivery of affordable housing and housing across all tenures, enable the development of seven major strategic housing sites and drive efficiencies across the public sector estate. Two strategic objectives were identified for the Regional Housing Programme:

- Deliver a step change in innovation and inclusive growth in the housing and construction sectors; and
- Deliver a step change in the supply of new homes across the South East of Scotland

Regional partners collaborate, share best practices and lessons learned on strategic sites, infrastructure, affordable housing delivery, innovation, and skills.



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Across the seven strategic sites (Blindwells, Calderwood, Dunfermline, Edinburgh’s Waterfront, Shawfair, Tweedbank and Winchburgh) a total of 156 social and 653 market homes have been completed over the last year, with 3,121 social, 281 midmarket rent and 8,897 homes approved for delivery. A breakdown is provided below:

Delivery (completions)	Tenure Mix			
	Social Rent	MMR	BTR	Market
Blindwells	80			115
Calderwood	18			144
Dunfermline	0			163
Granton Waterfront	0			0
Shawfair	38			63
Tweedbank	0			0
Winchburgh	20			168
Total	156			653

Delivery (approvals)	Tenure Mix			
	Social Rent	MMR	BTR	Market
Blindwells	480			1,120
Calderwood	34	22		150
Dunfermline	1,271			3,814
Granton Waterfront	334	259		12
Shawfair	1,002			3,651
Tweedbank	0			0
Winchburgh	0			150
Total	3,121	259	0	8,897

Please note that this breakdown does not capture the scale of design, development and enabling activity that has been delivered over the last year which will unlock significant construction activity in future years. The Headline Achievements below captures some of this detail and the Next Milestones section demonstrating the scale and breadth of activity that will take place over the next year.



4. The Deal – summary of progress

Headline achievements in the past year

- The Housing Need and Demand (HNDA) 3 assessment is complete and has been submitted to the Centre for Housing Market Analysis (CHMA) at Scottish Government and received Robust and Credible status on 28 July 2022
- The business case for the Dunfermline Strategic Site was developed by Fife Council in collaboration with Scottish Government and Scottish Futures Trust. The case for strategic transport infrastructure interventions to unlock housing delivery was **approved** at the 4 June 2021 ESESCRD Joint Committee meeting with funding for phase 1 drawn down in spring 2022.
- Completion and approval of Granton Waterfront Outline Business case. This was approved by the Council's Policy and Sustainability committee on 5 October 2021 and agrees to undertake stage 3 activities, to produce a Full Business Case for Phase 1 'Heart of Granton', which includes procurement of a development partner and progression of the business case stages for a low carbon district heat network.
- Construction on 75 net zero homes began in Granton Waterfront began in June 2022. This is the first pilot development in the **Edinburgh Home Demonstrator (EHD) Project**. The collaboration between local and national government, academia and the construction industry is testing a new model for designing, procuring and delivering new homes in the region to create a greener future.
- Ongoing completion of consented development in Blindwells Area 1, with detailed approvals for second phase infrastructure and on-going commercial and residential development phases within that area in place
- Between April and August of this year Winchburgh has seen the commencement of motorway junction; completion and opening of the non-denominational secondary school.
- In Spring 2022 a Board was established to oversee delivery of housing, supported living and elderly care facilities at Tweedbank
- At Shawfair Park the David Lloyd health and leisure club has now received consent and remains on target for a site and start in Autumn 2022. The Danfoss Low Carbon facility has now commenced on site with anticipated completion in Summer 2022.
- Edinburgh Living has drawn down all of the one off grant of £16.1m. 350 of the 728 mid-market rent homes have been delivered already with around 170 more homes expected to complete in 2022/23 with the remaining homes in design/development.



4. The Deal – summary of progress

Next milestones (2022/23)

Include milestones here that are expected to take place between September 2022 and August 2023. You can take this from the implementation plan.

Due Date	Milestone
End 2022/ early 23	Updated Regional Affordable Housing Programme will be produced when Scottish Government Affordable Housing Supply Programme Outturn Report is published (estimated autumn 2022).
2022/23	Continue to deliver the ESESCR Home Demonstrator Project pilot 1 and develop regional pipeline drawn from across the region
Aug 2022	Shawfair - Signing of Energy Services Agreement between Midlothian Energy Ltd and Shawfair LLP. This will allow creation of District Heating Network for provision of hot water and heating for domestic use from the Energy from Waste facility at Millerhill. This low carbon energy solution will be in place by 2023. Shawfair (Whitehills) - Following a successful planning application to expand permitted use classes strong market interest is being progressed from the Motor Trade, Trade Counter and General Industrial users. Shawfair LLP hope to bring the first of these with a detailed Planning application later in 2022.
Aug 2022	Granton Waterfront - Appointment of development partner to commence 18-month pre-development period for phase 1 'Heart of Granton'. Granton Waterfront - Appointment of consultant team to develop business case stages for low carbon heat network solution to serve new development and existing anchor loads.
Autumn 2022	Tweedbank - Approval of planning application for road and service infrastructure.
Summer 2022	Shawfair - Completion of RP08 connection from The Wisp to Millerhill Road
Autumn/Winter 2022	Shawfair - Installation of SuDS Basin (Danderhall North)
Dec 2022	Dunfermline - Planning application to be submitted for new bridge at Halbeath (first major element of the new Northern Link Road).
Dec 2022	Calderwood - Agreement on Phase 1 Park & Ride delivery expected and agreement on the third stream of primary education expected
Dec 2022	Shawfair - Agreement on provision of all through campus in Shawfair Town Centre.
Dec 22 / early 23	Blindwells – Draft Strategic Business Case
Jan 2023	Granton Waterfront - Completion of outline business case stage for heat network solution.
Spring 2023	Shawfair - Completion of internal access road (RP11), formation of SuDS Basin and upgrades to Cairnie Burn, including flood mitigation measures
Summer 2023	Granton Waterfront - Following a 9-month pre-development period with an appointed development partner where designs will be progressed, commercial options will be explored and funding secured to enable a viable and deliverable phase 1 'Heart of Granton', a Full Business Case for Phase 1 will be presented to Council committee for approval (and City Region Deal Joint Committee for noting). Granton Waterfront - Completion of a full business case for heat network solution which may include seeking a delivery partner to enter into commercial arrangements to deliver a low carbon heat network.



4. The Deal – summary of progress

Due Date	Milestone
Summer 2023	Granton Waterfront - Full Business Case (s) for Phase 1 'Heart of Granton' and heat network solution will be presented to Council committee for approval (and City Region Deal Joint Committee if appropriate).
Summer 2023	Shawfair - Formation of Woolmet Park & The Wisp Park (Danderhall North)
End 2023	Shawfair - Draft Town Centre Strategy published
End 2023	Edinburgh Living - Target of 1,500 homes.

Strategic Added Value

- The seven strategic sites can collectively deliver transformational economic and social change both in terms of housing supply, circa. 40,000 homes, and for the local, regional and national economy, through maximising the economic benefits from the construction of new homes and ensure that jobs, training and apprenticeships are targeted towards disadvantaged areas across the region. These sites all require further work and business case development with most of these homes anticipated to be delivered over the next 10-20 years. Several of the sites therefore require a long-term commitment and investment from Government, agencies and key stakeholders.
- Housing is a key social, economic and environmental driver. Greater integration across these drivers and City Region Deal policy themes is essential to support the growth requirements of the region and to deliver new communities which deliver the quality of place that ensures the South East of Scotland is a desirable place for people to live and for businesses to invest. Advantages that the CRD partnership working is bringing to add value to the proposal.
- The **Edinburgh City Region Deal Home Demonstrator**, project will demonstrate the effectiveness of homes designed and constructed to net zero carbon. Using Modern Methods of Construction (MMC). MMC uses technology, new materials and contemporary on-site building techniques to improve efficiency and quality in buildings. This work is in collaboration with:
 - Scottish Government
 - Scottish Futures Trust
 - Off Site Solutions Scotland
 - Edinburgh Napier University
 - BE-ST (formerly Construction Scotland Innovation Centre)
- 75 Net Zero Carbon Homes at Granton Waterfront have been identified as the first **pilot' scheme** of the Edinburgh Home Demonstrator. Future work will seek to develop (and implement) a model for the design procurement, delivery of new affordable, net zero homes across the Edinburgh City Deal Region
- Midlothian Council has right of first refusal for affordable homes from Shawfair. The delivery of affordable housing in partnership with private house builders at Shawfair is making a significant contribution to the expansion of affordable housing stock in Midlothian.



5. Our Approach to Benefits Realisation

Our Approach to Benefits Realisation

As reported in last year's annual report, in taking forward the Benefits Realisation Plan (approved by the **Joint Committee in September 2020**) each City Region Deal theme lead has examined how best to monitor and evaluate future impacts. Individually, a range of approaches (including bespoke surveys, refining existing data and customer relationship management monitoring systems, creating new data sets and adopting the measures used in the **Scottish Government's National Performance Framework** and other similar indices) are being adopted.

Last year, the Programme Management Office (PMO) commissioned the Smart Data Foundry to recommend measures to be put in place so that outputs and impacts can be captured, measured and reported on by 2023 and thereafter.

Three main questions were explored, and in their **report to the City Region Deal Joint Committee in March 2022**, responses and recommendations were made, as detailed below:

1 Across each City Region Deal theme, and related projects, what outputs and impacts might be captured by 2023?

The report found stated that, by 2023:

- Only two of the City Region Deal themes (Research, Development and Innovation and Employability and Skills) will be in a position to report information concerning their outputs; and
- Only one theme (Employability and Skills) will have evidence in relation to the (intermediate) impacts of their activities.
- This position is likely to change significantly by 2028, when all themes (with the exception of Housing) will be in a position to report outputs and evidence of impacts.

2 What is currently in place to monitor and manage outputs and impacts and what additional processes, resources and partnerships with others could be put in place now, and going forward, to enhance the monitoring of impacts?

The report recommended three initial steps, which are in the process of being actioned by the PMO:

- Appointing a Senior Responsible Officer to oversee benefits realisation (now in place);
- Securing a Benefits Realisation Officer within the PMO to co-ordinate City Region Deal project and programme output and impact reporting (recruitment underway and expected to be in post by Autumn 2022); and
- Developing and implementing an outputs, outcomes and impacts reporting framework across all City Region Deal projects to complement and enhance the current output reporting already undertaken by the PMO (underway).





5. Our Approach to Benefits Realisation

3 Given the above, what actions should the City Region Deal Programme Management Office now take in relation to monitoring and evaluation with timescales, and responsibilities, going forward to 2023?

The report recommended that:

- All the City Region Deal projects review, and amend where appropriate, the proposed reporting framework and confirm the measurement approaches that they will adopt to capture agreed outcomes and impacts
- Based on the above, and with co-ordination and support from the Benefits Realisation Officer, all projects should review and (re)confirm the timetable against which defined outcomes and impacts will be reported pre and post 2023; and,
- Confirm with Governments their acceptance of the above and consequently agree the extent and nature of the outputs required.

These steps are underway and will be taken on as part of the work programme for the Benefits Realisation Officer, who is expected to be in post in Autumn 2022.

Other on-going steps recommended in the report, which are being incorporated into the PMO's workplan include:

- Further engagement with the Scottish Government Data Intelligence Network team to develop specific “user cases” and requests to Governments in relation, in the first instance, to accessing Longitudinal Education Outcomes (LEO) and Department for Work and Pensions (DWP) data for the future, by the Deal's Data-Driven Innovation and Integrated Regional Employability and Skills programmes;
- Encouraging the adoption by all projects of the City Partnership Community Benefits portal and consequent capturing and reporting of these benefits;
- Ensuring that all projects are involved in on-going engagement with Scottish Government in relation to the guidance on whole-life carbon costs and incorporation into business cases, procurement and ongoing operational commitments; and
- Nomination and case study development where projects can demonstrate high Strategic Added Value.

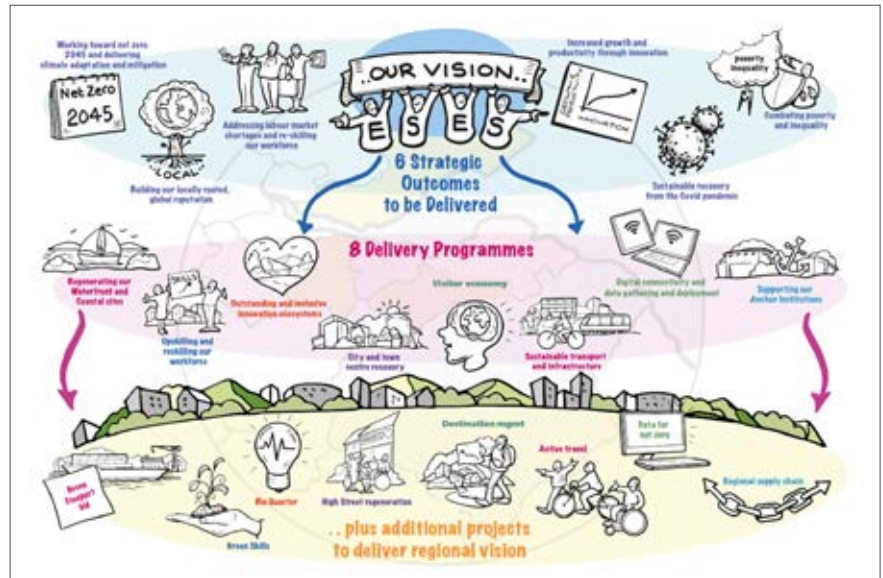


6. Regional Prosperity Framework

Regional Prosperity Framework

The City Region Deal partners have developed an ambitious 20-year economic framework called the ‘**Regional Prosperity Framework**’ (RPF).

The RPF was **approved by the Edinburgh and South East Scotland City Region Deal Joint Committee** on 3 September 2021, before being ratified individually by each of the six Local Authorities and the University of Edinburgh Court.



The RPF is the next phase of the development of Edinburgh and South East Scotland’s regional economy, building upon the City Region Deal and the strength of the regional partnership. It is designed to be a single document that helps to shape where public and private investment, including **Levelling Up** monies, could make the best contribution to drive the region forward in a sustainable and inclusive manner.

The ambitious 20-year economic framework has a vision to:

Become the data capital of Europe. We will ensure the social and economic benefits of this capability extend to all. All sections of the community will have the opportunity to develop the key skills that will help to end inequalities in our society. We will protect our environment and make best use of our extraordinary built and natural assets, ensuring that the Edinburgh and South East Scotland City Region delivers a just transition to a net zero economy. Our institutions, ancient and modern, will deliver positive outcomes that enhance our local, national, and international reputation.

This work builds on the successes of the Deal, strength of partnership as well as the need to respond and recover from Covid-19 and its economic and social impact, and to address wider societal imbalances across the region within a net zero context.

It RPF aims to ensure the social and economic benefits of this capability extend to everyone in region and deliver inclusive growth, and aims to help the region protect our environment and make best use of the regions built and natural assets, ensuring that the region delivers a just transition to a net zero economy.

Following publication, partners have worked to ensure the RPF vision and ambition is delivered. Partners are currently finalising a framework for delivery that outlines how the region will deliver on the key themes of Resilience, Innovative and Flourishing, which were approved in the RPF. This approach has created eight critical Delivery Programmes with a clear programme of activities which will help us to realise the RPF vision. The eight Delivery Programmes are:



6. Regional Prosperity Framework

1 Regenerating our Waterfront and Coastal sites

2 Upskilling and reskilling our workforce

3 Outstanding and inclusive innovation ecosystems

4 City and town centre recovery

5 Sustainable transport and infrastructure

6 Digital connectivity and data gathering and deployment

7 Visitor economy

8 Maximising the role of our anchor institutions

Partners are now working to have the Framework for Delivery finalised and considered for approval at the Joint Committee meeting in early September 2022.



7. The Year Ahead

Date	Milestone
Summer 22	Opening of First building at Borders Innovation park
Sep 22	<p>Joint Committee meeting where the following items will be considered:</p> <ul style="list-style-type: none"> • West Edinburgh Transport Improvement Programme Update (presentation) • A701 Relief Road & A702 Link Road • Regional Prosperity Delivery Framework (verbal update) • Impact Scotland: Dunard Centre Education and Public Engagement Strategy Update • City Region Deal Annual Report 2021/22
Sep 22	First cohort of postgraduate taught students to be welcomed at the Edinburgh Futures Institute
Sep 22	National Robotarium fully operational and official launch
Sep 22	Completion of Business Units at Hillend & Donibristle Industrial Estate, Dalgety Bay
Oct 22	Helix.scot website launching as part of Integrated Knowledge Systems programme
Dec 22	<p>Joint Committee meeting where the following items will be considered:</p> <ul style="list-style-type: none"> • A720 Sheriffhall roundabout progress update • Integrated Regional Employability and Skills Programme Update (presentation) • Regional Prosperity Delivery Framework
Late 22/early 23	Public Local Inquiry for A720 Sheriffhall to be held
Jan 23	Tourism and Creative Sector future skills research to be completed by Labour Market Analysis & Evaluation programme
Mar 23	<p>Joint Committee meeting where the following items will be considered:</p> <ul style="list-style-type: none"> • Data-Driven Innovation Programme Update (presentation) • Benefits Realisation six-monthly update
Mar 23	Outline Business Case for West Edinburgh Transport Improvement Programme to be complete
Mar 23	Complete roll-out of Internet of Things (IoT) network in schools across the region by the Data-Driven Innovation Skills Gateway
Jul 23	Usher building construction complete
Jul 23	<p>Through the Agritech Hub at Easter Bush, the following will have been achieved:</p> <ul style="list-style-type: none"> • Established a Centre for Aquaculture Genetics and Health, developing a business plan to enable a step change in the aquaculture genetics activity. • Established a Centre for Data-Driven Breeding, developing a business plan to enable a step change in the genetic livestock breeding activity. • Developed Agri and Aqua accelerator schemes, to enable the next stage of company formation on campus



8. Contacts and External Links to Further Information

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Further Information

- Keep up to date with the latest news and join the mailing list at www.esescityregiondeal.org.uk
- **Data-Driven Innovation website**
- Download all Joint Committee reports including approved business cases at **The City of Edinburgh Council Committee library website**.
- Visit the **webcast library** to view recordings of each Joint Committee meeting

Links to City Region Deal Projects

Community Benefits Portal

Esescommunities.org

Data-Driven Innovation projects

DDI website (General)

Bayes Centre

Easter Bush (campus)

Edinburgh Futures Institute

Edinburgh International Data Facility

National Robotarium

Usher Institute

Innovation projects

**Edinburgh Innovation Park
(Queen Margaret University)**

Transport projects

**A701 Relief Road and A702 Link Road
(Easter Bush Road)**

A720 Sheriffhall Roundabout

IRES

Esescommunities.org

About IFSS (joinedupforfamilies.org)

HCI Skills Gateway

Homepage (esescmmunities.org)

For people | What We Do | DDI

Edinburgh and South East Scotland

Labour Market Toolkit | Skills

Development Scotland

Covid Jobs Portal (c19jobs.org)

Culture project

Dunard Centre

Housing projects

Blindwells

Edinburgh Living

Granton Waterfront

Shawfair

Tweedbank

Winchburgh